COR 14
1-27-97

COUNTY OF LINCOLN

Lincoln County Surveyor's Office
Stephen L. Swinehart PLS
County Surveyor

880 NE 7th
Newport, Oregon
97365
265-4147

January 3, 1997

Ray Wilson
Benton County Surveyor's Office
360 SW Avery Avenue
Corvallis, Oregon
97333

Enclosed is a copy of the GPS survey done by BLM / Lincoln County for filing in your geodetic control records. Control point "9607" was established in Benton County, "COR9603" is a section corner common to both Lincoln and Benton Counties.

This is a true and exact copy of the mylars filed 12/23/96 in Lincoln County as CS #15,213. From my understanding of your conversation with John Waffenschmidt, it is not necessary to have reference to our CS# on your copy. If that is not correct, let me know and I'll come over and add the certification to your copy.

If you need to get in touch with me, I can be reached at (541) 336-3739.

Sincerely,

Stephen L. Swinehart PLS
Lincoln County Surveyor

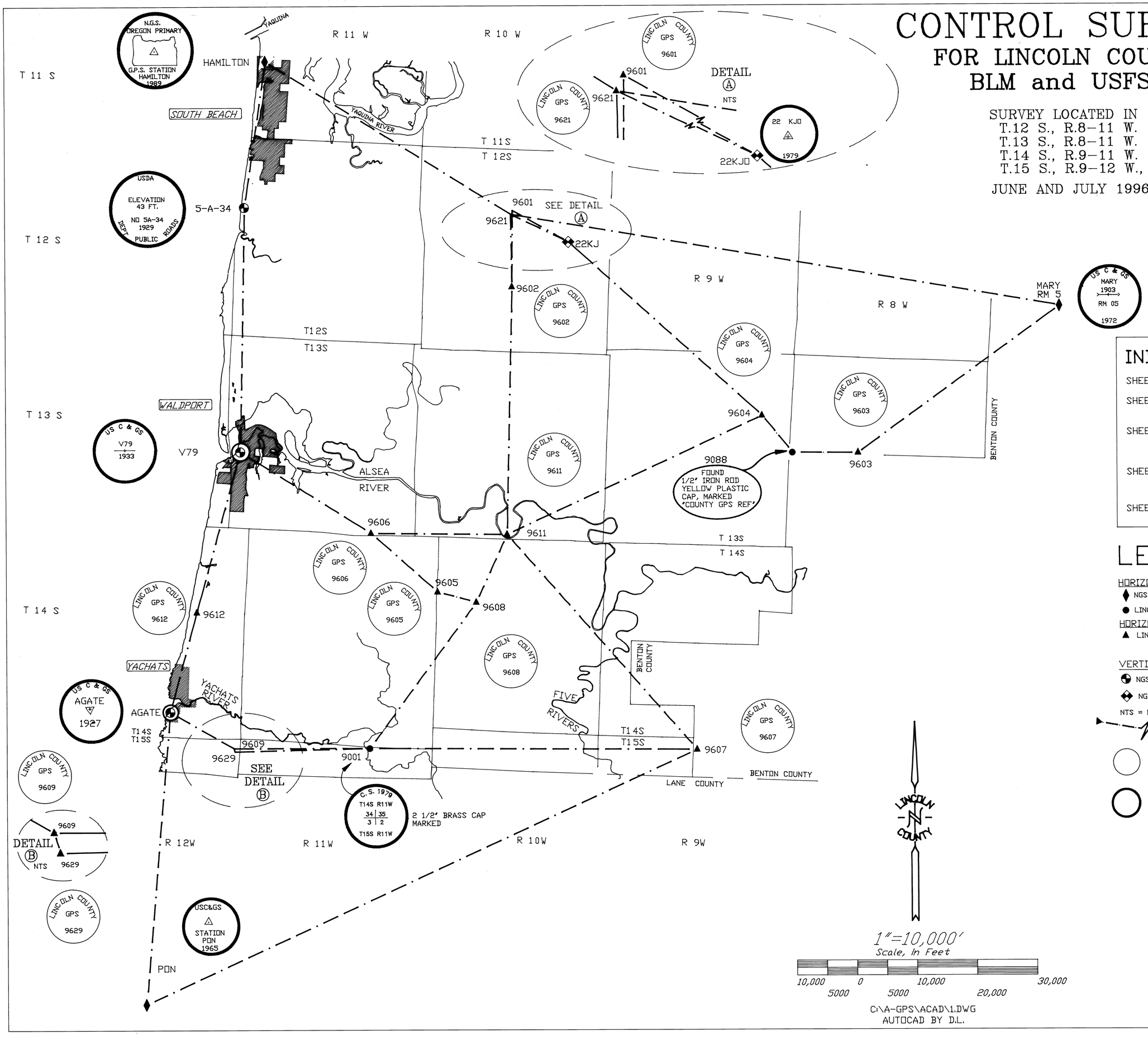
CONTROL SURVEY
FOR LINCOLN COUNTY, BLM and USFS

CCR 14
File Date 1-27-97

SHEET 1 OF 5

SURVEY LOCATED IN
T.12 S., R.8–11 W.
T.13 S., R.8–11 W.
T.14 S., R.9–11 W.
T.15 S., R.9–12 W., W.M.

JUNE AND JULY 1996



INDEX TO SHEETS

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SHEET 2 NARRATIVE CONTROL DATA

SHEET 3 THIRD ORDER CONTROL ESTABLISHED = POINTS COR9601, COR 9602, COR9603, COR9604, COR9605

SHEET 4 THIRD ORDER CONTROL ESTABLISHED = POINTS COR9606, COR9607, COR9608 COR9609, COR9611, COR9612

SHEET 5 'TO REACH' DESCRIPTIONS

LEGEND

HORIZONTAL CONTROL PREVIOUSLY ESTABLISHED
- ♦ NGS ORDER B HZ. CONTROL
- ● LINCOLN COUNTY 2ND ORDER HZ. CONTROL

HORIZONTAL CONTROL ESTABLISHED
- ▲ LINCOLN COUNTY 2ND ORDER CLASS I

VERTICAL CONTROL
- NGS FIRST-ORDER, CLASS II
- NGS SECOND-ORDER, CLASS I

NTS = NOT TO SCALE

GPS OBSERVED BASELINES

SET 2" DIAMETER ALUMINUM CAP ON A 5/8" x 30" IRON ROD MARKED AS SHOWN.

3 1/2" BRASS CAP MARKED AS SHOWN.

LINCOLN COUNTY

1"=10,000'
Scale, In Feet

10,000 5000 0 5000 10,000 20,000 30,000

C:\A-GPS\ACAD\1.DWG
AUTOCAD BY D.L.

REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
JULY 16, 1982
STEPHEN LOY SWINEHART
2013

RENEWAL DATE
JUNE 30, 1998

LINCOLN COUNTY SURVEYOR'S OFFICE
880 N.E. 7th STREET
NEWPORT, OR 97365
541-265-4147

CONTROL SURVEY
FOR LINCOLN COUNTY, BLM and USFS

CCR 14
FILE DATE 1-27-97

SURVEY LOCATED IN
T.12 S., R.8–11 W.
T.13 S., R.8–11 W.
T.14 S., R.9–11 W.
T.15 S., R.9–12 W., W.M.

JUNE AND JULY 1996

PROJECT HORIZONTAL CONTROL
NAD 83(91)

B ORDER NGS CONTROL
(1 PPM, 1 : 1,000,000 AT 95% CONFIDENCE LEVEL)

STATION NAME	MARY RM5	LOCATED IN NW 1/4 SECTION 28 T12S R7W WM
DESCRIPTION	BRASS DISK SET IN CONCRETE STAMPED "MARY 1903 NO 5 1972"	
LATITUDE	44°30'16.05036"	
LONGITUDE	123°33'08.19724"	
NORTHING	320479.640	
EASTING	7405969.079	
CONVERGENCE	2°09'52.675"	
SCALE FACTOR	0.99996130	
ELEVATION	4098.06	

STATION NAME	HAMILTON	LOCATED IN SECTION 19 T12S R11W WM
DESCRIPTION	BRASS DISK SET IN CONCRETE STAMPED "HAMILTON 1989"	
LATITUDE	44°36'05.83588"	
LONGITUDE	124°03'53.89116"	
NORTHING	361342.974	
EASTING	7273885.604	
CONVERGENCE	2°31'41.616"	
SCALE FACTOR	0.99994324	
ELEVATION	17.81	

STATION NAME	PON	LOCATED IN NW 1/4 SECTION 22 T16S R12W WM
DESCRIPTION	IRON PIPE WITH 3½" BRASS CAP STAMPED "PON 1965"	
LATITUDE	44°10'12.11445"	
LONGITUDE	124°06'59.36918"	
NORTHING	204755.582	
EASTING	7253438.955	
CONVERGENCE	2°33'53.154"	
SCALE FACTOR	1.00004510	
ELEVATION	23.13	

1st ORDER LINCOLN COUNTY
(10 PPM, PRECISION 1 : 100,000)

STATION NAME	OV79	LOCATED IN SW 1/4 SECTION 19 T13S R11W WM
DESCRIPTION	3 ¼" BRASS CAP SET IN CONCRETE STAMPED "V-79 1933"	
LATITUDE	44°25'24.71935"	
LONGITUDE	124°04'15.14749"	
NORTHING	296550.581	
EASTING	7269480.610	
CONVERGENCE	2°31'56.690"	
SCALE FACTOR	0.99997851	
ELEVATION	11.72	

STATION NAME	9001	LOCATED AT NE CORNER SECTION 3 T15S R11W WM
DESCRIPTION	2 ½" BRASS CAP SET IN CONCRETE (SEE CS-12096)	
LATITUDE	44°17'27.68165"	
LONGITUDE	123°58'52.31045"	
NORTHING	247264.894	
EASTING	7290806.294	
CONVERGENCE	2°28'07.739"	
SCALE FACTOR	1.00001092	
ELEVATION	167.18	

PROJECT VERTICAL CONTROL
1929 THRU 1947 PACIFIC NORTHWEST ADJUSTMENT

1st ORDER NGS VERTICAL CONTROL

AGATE — VERTICAL ORDER: FIRST CLASS 2, LOCATED NE 1/4 SECTION 34 T14S R12W WM

ELEVATION=17.90 U.S. FEET, NGVD 29 [NATIONAL GEODETIC VERTICAL DATUM 1929]

OV-79 (aka V 79) — VERTICAL ORDER: FIRST CLASS 2, LOCATED NE 1/4 SECTION 34 T14S R12W WM

ELEVATION=11.72 U.S. FEET, NGVD 29 [NATIONAL GEODETIC VERTICAL DATUM 1929]

2ND ORDER CLASS I NGS VERTICAL CONTROL

22 K J O — VERTICAL ORDER: SECOND CLASS 2, LOCATED IN SECTION 14 T12S R10W WM

ELEVATION=491.21 U.S. FEET, NGVD 29 [NATIONAL GEODETIC VERTICAL DATUM 1929]

CONTROL ESTABLISHED

SECOND ORDER CLASS I
(20 PPM, 1 : 50,000 AT 95% CONFIDENCE LEVEL)

STATION NAME: AGATE DESCRIPTION: BRASS DISC IN BASALTIC OUTCROPPING LATITUDE: 44° 10'13.59834" LONGITUDE: 124°06'31.32531" NORTHING: 253368.288 EASTING: 7257643.366 CONVERGENCE: -2°33'33.41" SCALE FACTOR: 1.00000758 ELEVATION: 17.90 FT.	STATION NAME: 9608 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 21' 33.86163" LONGITUDE: 123° 55' 1.62381" NORTHING: 271484.488 EASTING: 7308454.816 CONVERGENCE: -2° 25' 24.14" SCALE FACTOR: 0.99999354 ELEVATION: 555.37 FT.
STATION NAME: 9601 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 28' 18.38665" LONGITUDE: 123° 54' 13.34350" NORTHING: 306512.980 EASTING: 7314878.841 CONVERGENCE: -2° 24' 49.90" SCALE FACTOR: 0.99998466 ELEVATION: 1287.03 FT.	STATION NAME: 9609 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 17' 18.14864" LONGITUDE: 124° 04' 3.23984" NORTHING: 247886.121 EASTING: 7266869.870 CONVERGENCE: -2° 31' 48.24" SCALE FACTOR: 1.00008162 ELEVATION: 1338.46 FT.
STATION NAME: 9602 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 28' 13.27681" LONGITUDE: 123° 54' 7.27719" NORTHING: 306348.828 EASTING: 7314783.966 CONVERGENCE: -2° 24' 45.60" SCALE FACTOR: 0.99996145 ELEVATION: 1300.12 FT.	STATION NAME: 9611 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 23' 27.40770" LONGITUDE: 123° 59' 57.26215" NORTHING: 282747.399 EASTING: 7313788.330 CONVERGENCE: -2° 24' 38.59" SCALE FACTOR: 0.99998699 ELEVATION: 26.85 FT.
STATION NAME: 9603 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 26' 3.19146" LONGITUDE: 123° 49' 38.76695" NORTHING: 274138.872 EASTING: 7372333.385 CONVERGENCE: -2° 15' 12.21" SCALE FACTOR: 0.99997612 ELEVATION: 3652.17 FT.	STATION NAME: 9612 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 20' 38.38489" LONGITUDE: 124° 5' 48.09981" NORTHING: 262987.333 EASTING: 7264199.885 CONVERGENCE: -2° 38' 36.93" SCALE FACTOR: 0.99999596 ELEVATION: 17.39 FT.
STATION NAME: 9604 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 26' 38.14586" LONGITUDE: 123° 44' 22.23360" NORTHING: 282358.171 EASTING: 7384355.066 CONVERGENCE: -2° 17' 38.69" SCALE FACTOR: 0.99997277 ELEVATION: 1483.99 FT.	STATION NAME: 9621 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 32' 11.77979" LONGITUDE: 123° 54' 17.87780" NORTHING: 339861.350 EASTING: 7314579.929 CONVERGENCE: -2° 24' 52.55" SCALE FACTOR: 0.99998581 ELEVATION: 1259.75 FT.
STATION NAME: 9605 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 21' 48.88074" LONGITUDE: 123° 56' 31.83173" NORTHING: 273191.882 EASTING: 7332197.166 CONVERGENCE: -2° 26' 27.35" SCALE FACTOR: 0.99999856 ELEVATION: 729.63 FT.	STATION NAME: 9629 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 17' 12.68158" LONGITUDE: 124° 4' 08.49881" NORTHING: 246718.772 EASTING: 7268343.295 CONVERGENCE: -2° 31' 46.30" SCALE FACTOR: 1.00001393 ELEVATION: 1362.64 FT.
STATION NAME: 9606 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 23' 20.13486" LONGITUDE: 123° 59' 8.53081" NORTHING: 282974.563 EASTING: 7291465.998 CONVERGENCE: -2° 28' 19.26" SCALE FACTOR: 0.99998647 ELEVATION: 728.58 FT.	STATION NAME: 22KJO DESCRIPTION: 3 3\4" DIAM. BRASS CAP ON COPPERCOATED ROD LATITUDE: 44° 31' 38.24745" LONGITUDE: 123° 32' 1.26824" NORTHING: 338048.126 EASTING: 7384293.295 CONVERGENCE: -2° 23' 16.23" SCALE FACTOR: 0.99995723 ELEVATION: 491.21 FT.
STATION NAME: 9607 DESCRIPTION: 2 " DIAM. AL. CAP ON 5/8" DIAM. REBAR LATITUDE: 44° 17' 47.24399" LONGITUDE: 123° 56' 24.84326" NORTHING: 246949.735 EASTING: 7349866.450 CONVERGENCE: -2° 19' 17.08" SCALE FACTOR: 1.00000949 ELEVATION: 785.86 FT.	STATION NAME: BM 5A 34 DESCRIPTION: 2 3/4 " DIAM. BRASS CAP SET IN CONCRETE LATITUDE: 44° 32' 5.37819" LONGITUDE: 124° 4' 28.65937" NORTHING: 337127.699 EASTING: 7278295.387 CONVERGENCE: -2° 32' 6.27" SCALE FACTOR: 0.99995835 ELEVATION: 42.59 FT. (41.98'. NGS 1991 SUPERCEDED VALUES)

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JULY 16, 1982
STEPHEN LOY SWINEHART
2013
RENEWAL DATE
JUNE 30, 1998

LINCOLN COUNTY SURVEYOR'S OFFICE
880 N.E. 7th STREET
NEWPORT, OR 97365
541-265-4147

PERSONNEL

GPS ANALYSIS
STONY CARTER

GPS FIELD CREW
STONEY CARTER
DANA LATTIN
PHIL LAMBERSON

TRAVERSE AND SOLARS
STEVE SWINEHART
JOHN WAFFENSCHMIDT
DANA LATTIN
PHIL LAMBERSON

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AUTOCAD BY BL

NARRATIVE
FOR GPS CONTROL NETWORK

PURPOSE

THE PURPOSE OF THE GPS CONTROL NETWORK IS TO PLACE GEODETIC CONTROL STATIONS ON OR NEAR PUBLIC LAND SURVEY SYSTEM (PLSS) CORNERS. FROM THESE GEODETIC CONTROL STATIONS, ASTRONOMIC OBSERVATIONS ON THE SUN AND THIRD ORDER TRAVERSE HAVE BEEN USED TO COMPUTE GEODETIC POSITIONS ON SELECTED PLSS CORNERS. THESE COORDINATES WILL SERVE AS ACCESSORIES TO THE CORNER POSITIONS. THE BUREAU OF LAND MANAGEMENT AND THE U.S. FOREST SERVICE WILL USE THESE COORDINATES IN THEIR BASE MAPPING PROJECT.

PROCEDURE

THIS SURVEY WAS PERFORMED USING THE NAVSTAR GLOBAL POSITIONING SYSTEM AND TRIMBLE 4000SSE DUAL FREQUENCY, CARRIER PHASE RECEIVERS. GUIDELINES FOR GPS CONTROL NETWORKS PUBLISHED BY THE FEDERAL GEODETIC CONTROL COMMITTEE IN THE MAY 1988 PUBLICATION "GEOMETRIC GEODETIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES" WERE FOLLOWED. ALL STANDARDS FOR GROUP C, SECOND ORDER, CLASS I WERE MET WITH THE EXCEPTION THAT THE LENGTH OF TIME FOR DATA COLLECTION WAS SHORTENED, DUE TO THE USE OF "TRIMBLE FAST STATIC" METHOD OF OBSERVATION.

HORIZONTAL CONTROL

THREE ORDER B STATIONS FROM THE NATIONAL SPATIAL REFERENCE SYSTEM AND TWO FIRST ORDER STATIONS FROM THE LINCOLN COUNTY CONTROL NETWORK WERE USED AS HORIZONTAL CONTROL FOR THE NEW POSITIONS. B ORDER STATIONS WERE "MARY RM 5", HAMILTON", AND "PON"; FIRST ORDER STATIONS FROM THE LINCOLN COUNTY CONTROL NETWORK WERE "V79" (aka "OV79") AND "9001". LINCOLN COUNTY 2ND ORDER CLASS 1 STATION "9088" WAS INCLUDED IN THE NETWORK AS A CHECK, BUT WAS ALLOWED TO FLOAT IN THE FINAL ADJUSTMENT. ITS POSITION MATCHED THE RECORD WITHIN 0.02' NORTHING AND WITHIN 0.10' EASTING.

VERTICAL CONTROL

TWO FIRST ORDER BENCH MARKS AND ONE SECOND ORDER BENCH MARK WERE USED FOR VERTICAL CONTROL. THE FIRST ORDER BENCH MARKS WERE "AGATE" AND "V79". THE SECOND ORDER BENCH MARK WAS "22 KJO".

BLM BENCHMARK "5 A 34" WAS INCLUDED IN THE NETWORK, BUT ITS ELEVATION WAS ALLOWED TO FLOAT, SINCE GPS MEASURED ELEVATIONS DID NOT AGREE WITH PUBLISHED VALUES.

THE GPS MEASURED ELEVATION OF THE 2ND ORDER STATION "22 KJO" AGREED TO THE HUNDREDTH OF A FOOT WITH THE PUBLISHED VALUES.

QUASI-ELLIPSOID HEIGHTS FOR THE BENCH MARKS WERE DETERMINED BY SUBTRACTING THE GEOID SEPARATION, CALCULATED BY THE NATIONAL GEODETIC SURVEY COMPUTER PROGRAM "GEOID93", FROM THE PUBLISHED ELEVATIONS. ELEVATIONS ARE REFERENCED TO THE VERTICAL DATUM NGVD 29. COMPUTATIONS WERE PERFORMED ON THE WGS 84 ELLIPSOID (NAD 83(91)).

ADJUSTMENT

GPS BASELINES WERE COMPUTED WITH TRIMBLE NAVIGATION "GPSURVEY VERSION 2.00A" SOFTWARE AND ADJUSTED BY LEAST SQUARES ANALYSIS WITH GEOSURV INC." "GEOLABTM VERSION 2.4D" SOFTWARE.

PRECISION

THE HORIZONTAL POSITIONAL UNCERTAINTY OF THE POINTS OF THIS SURVEY WITH RESPECT TO THE CONTROL STATIONS, AS EXPRESSED BY THE SEMI-MAJOR AXIS OF THE ERROR ELLIPSES AT 95% CONFIDENCE LEVEL, RANGED FROM 0.07' TO 0.14'. PARTS PER MILLION FOR THE INDIVIDUAL BASELINES RANGED FROM 1.17 TO 11.71 AT THE 95% CONFIDENCE LEVEL.

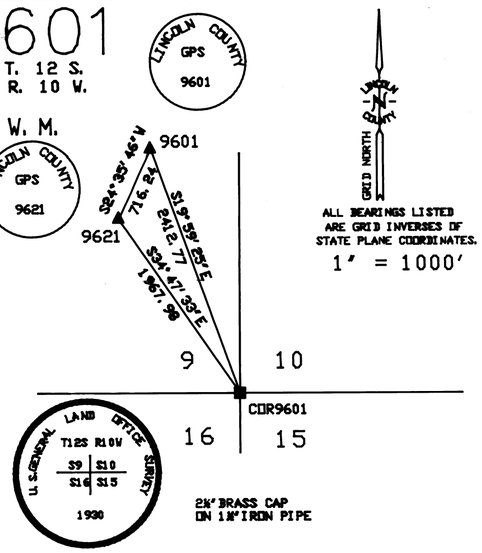
ESTABLISHMENT OF THIRD ORDER CLASS 2 HORIZONTAL CONTROL

POSITIONAL TOLERANCE
1 : 5000

OCR 14
FILE DATE 1-27-97

9601

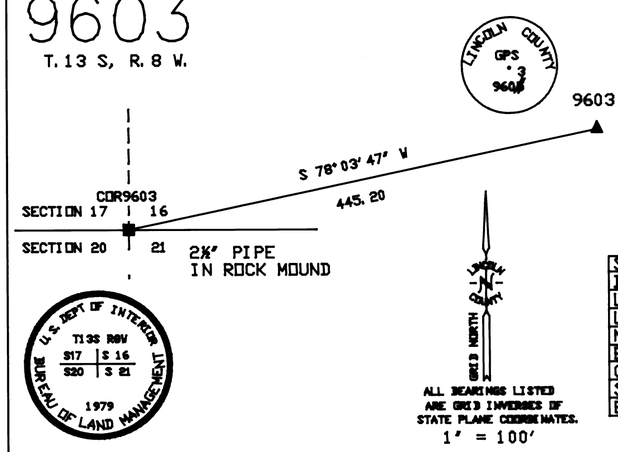
T. 12 S.
R. 10 W.
W. M.



STATION NAME	COR9601
DESCRIPTION	NE COR S16 (12–10)
LATITUDE	44°31'58.28233"
LONGITUDE	123°54'00.64811"
NORTHING	334254.388
EASTING	7315702.874
CONVERGENCE	–2°24'40.88"
SCALE FACTOR	0.99995583
ELEVATION	1030.91

9603

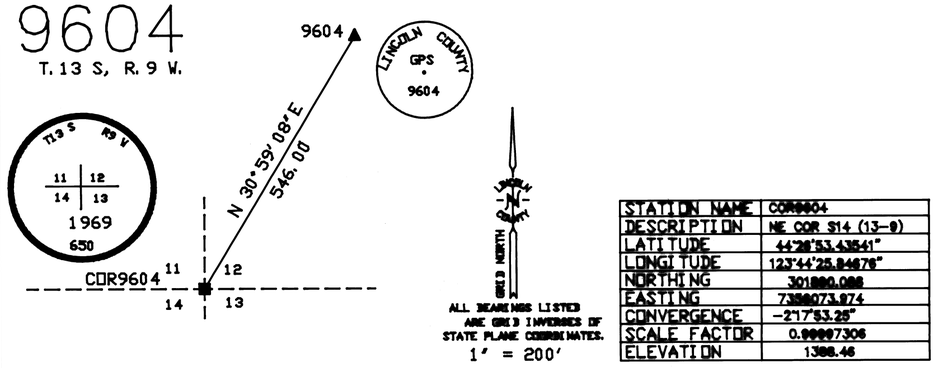
T. 13 S, R. 8 W.



STATION NAME	COR9603
DESCRIPTION	NE COR S20 (13–8)
LATITUDE	44°26'02.11370"
LONGITUDE	123°40'44.71736"
NORTHING	289058.780
EASTING	7371897.816
CONVERGENCE	–2°15'16.43"
SCALE FACTOR	0.99997619
ELEVATION	3084.18

9604

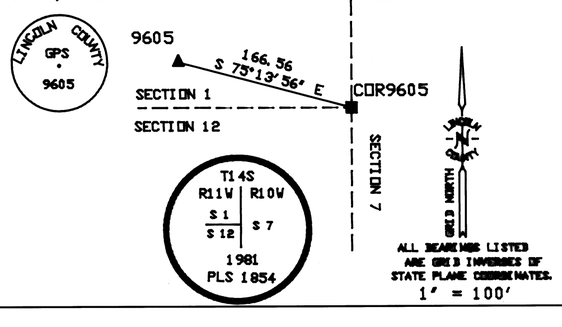
T. 13 S, R. 9 W.



STATION NAME	COR9604
DESCRIPTION	NE COR S14 (13–9)
LATITUDE	44°28'53.43541"
LONGITUDE	123°44'25.84676"
NORTHING	301880.088
EASTING	7356073.974
CONVERGENCE	–2°17'53.25"
SCALE FACTOR	0.99997306
ELEVATION	1388.46

9605

T. 14 S, R. 11 W.



STATION NAME	COR9605
DESCRIPTION	NE COR SEC 12 (14–11)
LATITUDE	44°21'47.92080"
LONGITUDE	123°56'28.79182"
NORTHING	273148.545
EASTING	7302388.227
CONVERGENCE	–2°26'25.96"
SCALE FACTOR	0.99999259
ELEVATION	714.36

NARRATIVE FOR TRAVERSE TO PLSS CORNERS

PURPOSE:

THE PRIMARY GOAL OF THE COUNTY SURVEYOR'S OFFICE WAS TO PLACE GEODETIC COORDINATES ON PUBLIC LAND SURVEY SYSTEM (PLSS) CORNERS THROUGH ITS CORNER PRESERVATION PROGRAM. THE INTENT IS FOR THESE COORDINATES TO BE USED AS ACCESSORIES (AS DEFINED IN SEC. 5-4 OF THE 1973 BLM MANUAL OF INSTRUCTIONS) FOR MONUMENTS MARKING CORNERS OF THE PLSS.

CORNER REPORTS

A CORNER CONDITION REPORT IS BEING FILED SEPARATELY ON EACH CORNER FOR WHICH COORDINATES APPEAR. CONSULT THE CORNER REPORTS TO EVALUATE THE EVIDENCE AND TO VERIFY THAT THE MONUMENT USED IN THIS SURVEY MARKS THE ACTUAL PLSS CORNER.

SOLAR OBSERVATIONS:

SOLAR OBSERVATIONS WERE MADE USING A WILD 2002 ONE-SECOND THEODOLITE. AN HP48 ELECTRONIC CALCULATOR WITH A TDS SURVEYING CARD WAS USED TO CALCULATE ASTRONOMIC AND GRID AZIMUTHS USING THE EPHEMERIS METHOD. TIME WAS OBTAINED FROM WWV BEFORE AND AFTER EACH OBSERVATION TO MAINTAIN UTC WITHIN ±0.2 SECONDS. OBSERVATIONS WERE DONE MORE THAN TWO HOURS FROM LOCAL APPARENT NOON. AZIMUTH ERROR RELATED TO ERRORS IN TIME, APPARENT NOON, LATITUDE AND LONGITUDE IS ESTIMATED AS ± 4 SECONDS. AZIMUTH ERROR DUE TO INSTRUMENT CENTERING AND POINTING ERROR IS ESTIMATED AS ±20 SECONDS.

THIRD ORDER CLASS 2 TRAVERSE PROCEDURES

TRAVERSE PROCEDURE WAS PERFORMED TO 3RD ORDER CLASS II SPECIFICATIONS OR BETTER WHENEVER POSSIBLE. THE RESULTING HORIZONTAL POSITIONS ARE WITHIN 1:5000 OF THE CONTROLLING MONUMENT ESTABLISHED USING GPS.

BASIS OF BEARING

THE BASIS OF BEARING FOR ALL TRAVERSES, EXCEPT TWO, ARE ASTRONOMIC AZIMUTHS MADE ON THE SUN. AT COR9601 AND COR9609 THE GRID INVERSE BETWEEN THE INTERVISIBLE MONUMENTS ESTABLISHED USING GPS WAS USED AS THE BASIS OF BEARING. (NOTE: GPS BEARING WAS WITHIN 20 " OF SOLAR CHECK BEARING.)

GEODETIC TRANSFER

WHEN THE GEODETIC CONTROL STATION AND THE PLSS CORNER WERE DIRECTLY INTERVISIBLE, BOTH MONUMENTS WERE OCCUPIED AND RECIPROCAL ZENITH ANGLES AND DISTANCES WERE MEASURED.

CORNER REPORTS

AT EACH PUBLIC LAND SURVEY CORNER THE BEARING TREES AND OTHER ACCESSORIES WERE RECORDED AND UPDATED WHERE NECESSARY. SEE CORNER CONDITION REPORTS FILED SEPARATELY FOR COMPLETE INFORMATION.

EQUIPMENT:

WILD T 2002 : 1 SECOND THEODOLITE
WILD DI 2000 EDM: 1 mm +/- 1 PPM

LEGEND

HORIZONTAL CONTROL ESTABLISHED

- ▲ LINCOLN COUNTY 2ND ORDER CLASS I
- ■ LINCOLN COUNTY 3RD ORDER CLASS II
- ○ FOUND MONUMENT AS DESCRIBED
- □ RANDOM TRAVERSE POINT

GPS OBSERVED BASELINES

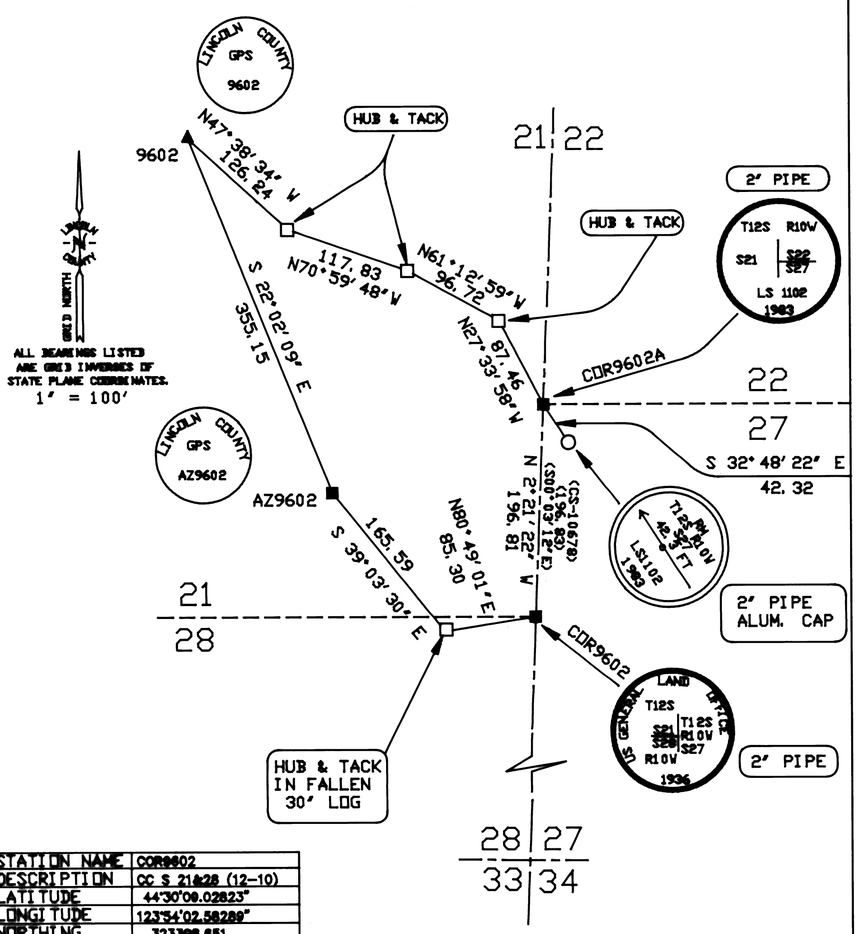
SET 2" DIAMETER ALUMINUM CAP ON A 5/8"x30" IRON ROD MARKED AS SHOWN.

FOUND 30" BRASS CAP MARKED AS SHOWN

FOUND 30" ALUMINUM CAP MARKED AS SHOWN

9602

T. 12 S, R. 10 W,



STATION NAME	COR9602
DESCRIPTION	CC S 21&28 (12–10)
LATITUDE	44°30'09.02823"
LONGITUDE	123°54'02.58289"
NORTHING	323396.651
EASTING	7315105.783
CONVERGENCE	–2°24'42.27"
SCALE FACTOR	0.99996169
ELEVATION	1414.21

STATION NAME	COR9602A
DESCRIPTION	NW COR 27 (12–10)
LATITUDE	44°30'10.97177"
LONGITUDE	123°54'02.58553"
NORTHING	323505.300
EASTING	7315113.854
CONVERGENCE	–2°24'42.27"
SCALE FACTOR	0.99996158
ELEVATION	1425.55

LINCOLN COUNTY SURVEYOR'S OFFICE
880 N. E. 7th STREET
NEWPORT, OR 97365
541-574-1281

C:\A-GPS\ACAD\3.DWG
AUTOCAD BY DL

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JULY 16, 1982
STEPHEN LOY SWINEHART
2013
RENEWAL DATE
JUNE 30, 1998

CCR 14
FILE DATE 1-27-97

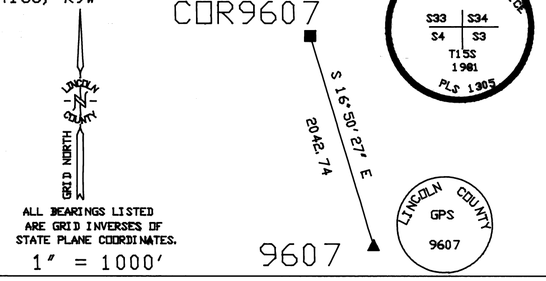
SHEET 4 OF 5

ESTABLISHMENT OF THIRD ORDER CLASS 2 HORIZONTAL CONTROL

POSITIONAL TOLERANCE
1 : 5000

9607

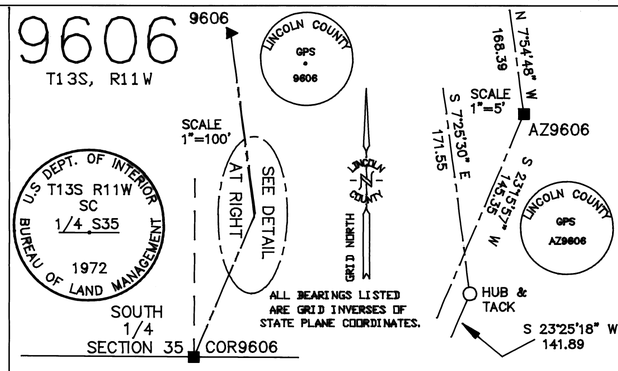
T14S, R9W
T15S, R9W



STATION NAME	COR9607
DESCRIPTION	NE COR S4 (15–9)
LATITUDE	44°18'06.29796"
LONGITUDE	123°46'33.26323"
NORTHING	248924.894
EASTING	7344674.639
CONVERGENCE	−2°19'23.62"
SCALE FACTOR	1.00000810
ELEVATION	602.31

9606

T13S, R11W

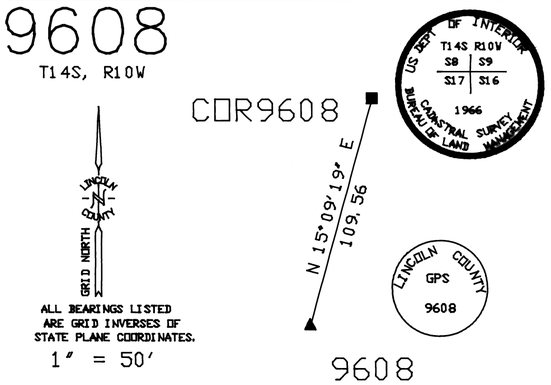


STATION NAME	COR9606
DESCRIPTION	S 1/4 SEC 35 (13–11)
LATITUDE	44°23'17.15669"
LONGITUDE	123°59'08.85076"
NORTHING	282674.252
EASTING	7291130.779
CONVERGENCE	−2°28'19.47"
SCALE FACTOR	0.99998666
ELEVATION	684.11

STATION NAME	AZ9606
DESCRIPTION	RM TO COR 9606
LATITUDE	44°23'18.49849"
LONGITUDE	123°59'08.14018"
NORTHING	282807.781
EASTING	7291188.191
CONVERGENCE	−2°28'18.97"
SCALE FACTOR	0.99998657
ELEVATION	732.61

9608

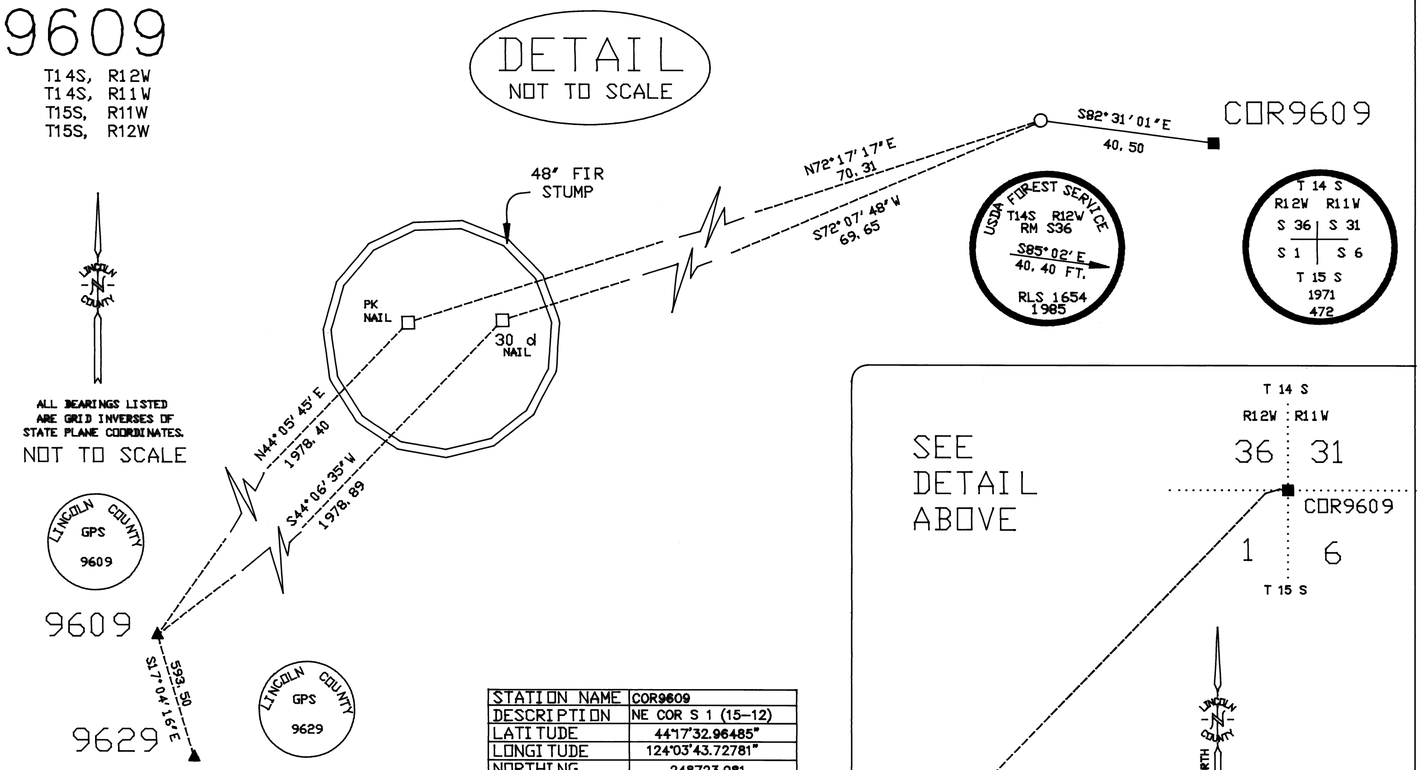
T14S, R10W



STATION NAME	COR9608
DESCRIPTION	NE COR SEC 17 (14–10)
LATITUDE	44°21'34.91695"
LONGITUDE	123°55'01.29145"
NORTHING	271562.241
EASTING	7308653.480
CONVERGENCE	−2°25'23.90
SCALE FACTOR	0.99999347
ELEVATION	505.40

9609

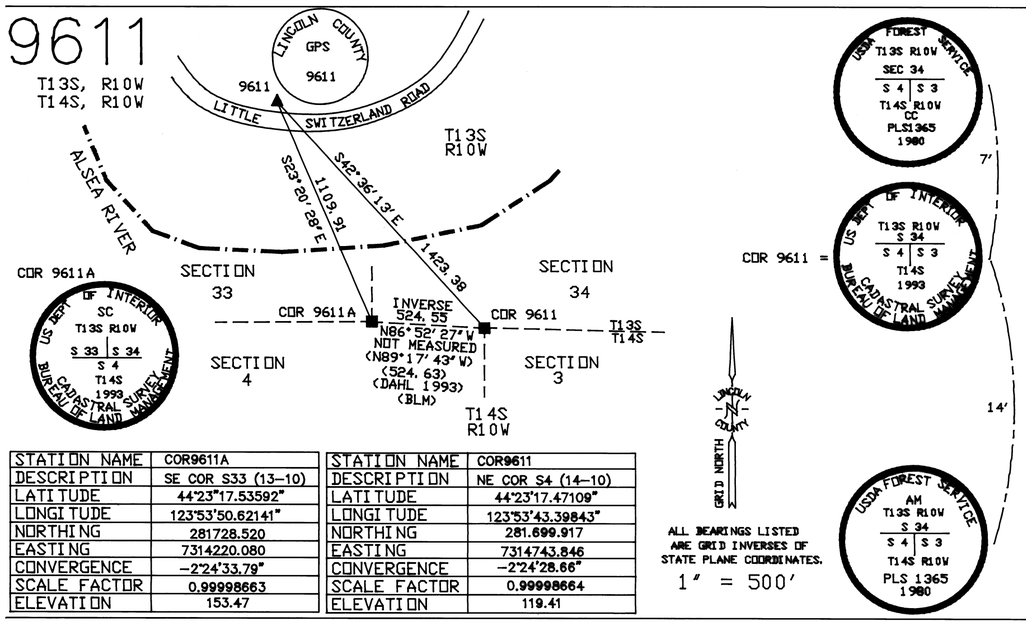
T14S, R12W
T14S, R11W
T15S, R11W
T15S, R12W



STATION NAME	COR9609
DESCRIPTION	NE COR S 1 (15–12)
LATITUDE	44°17'32.96485"
LONGITUDE	124°03'43.72781"
NORTHING	248723.081
EASTING	7269652.888
CONVERGENCE	−2°31'34.41"
SCALE FACTOR	1.00001053
ELEVATION	557.22

9611

T13S, R10W
T14S, R10W

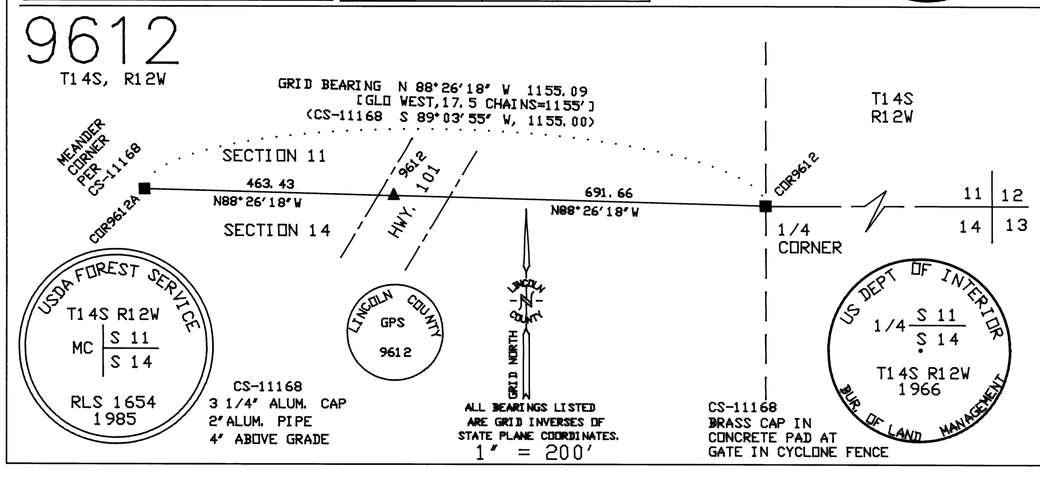


STATION NAME	COR9611A
DESCRIPTION	SE COR S33 (13–10)
LATITUDE	44°23'17.53592"
LONGITUDE	123°53'50.62141"
NORTHING	281728.520
EASTING	7314220.080
CONVERGENCE	−2°24'33.79"
SCALE FACTOR	0.99998663
ELEVATION	153.47

STATION NAME	COR9611
DESCRIPTION	NE COR S4 (14–10)
LATITUDE	44°23'17.47109"
LONGITUDE	123°53'43.39843"
NORTHING	281.699.917
EASTING	7314743.846
CONVERGENCE	−2°24'28.66"
SCALE FACTOR	0.99998664
ELEVATION	119.41

9612

T14S, R12W



CS-11168
3 1/4" ALUM. CAP
2" ALUM. PIPE
4' ABOVE GRADE

CS-11168
BRASS CAP IN CONCRETE PAD AT GATE IN CYCLONE FENCE

STATION NAME	COR9612
DESCRIPTION	N 1/4 S 14 (14–12)
LATITUDE	44°20'58.44210"
LONGITUDE	124°05'30.57786"
NORTHING	269854.683
EASTING	7262813.431
CONVERGENCE	−2°32'50.18"
SCALE FACTOR	0.99999595
ELEVATION	45.71

STATION NAME	COR9612A
DESCRIPTION	MC S 11&14 (14–12)
LATITUDE	44°20'58.24556"
LONGITUDE	124°05'46.47174"
NORTHING	269886.161
EASTING	7261658.765
CONVERGENCE	−2°33'01.46"
SCALE FACTOR	0.99999597
ELEVATION	22.78

LEGEND

HORIZONTAL CONTROL ESTABLISHED

- ▲ LINCOLN COUNTY 2nd ORDER CLASS I
- ■ LINCOLN COUNTY 3rd ORDER
- ○ FOUND MONUMENT AS DESCRIBED
- □ RANDOM TRAVERSE POINT
- (xxx) PARENTHESIS INDICATES RECORD DATA IN LOCAL BASIS OF BEARING.
- → GPS OBSERVED BASELINES

LINCOLN COUNTY

SET 2" DIAMETER ALUMINUM CAP ON A 5/8"x30" IRON ROD MARKED AS SHOWN.

FOUND 3 1/4" ALUMINUM CAP

FOUND 3" BRASS CAP MARKED AS SHOWN.

C:\A-GPS\ACAD\4.DWG
OCT. 29, 1996
DL

HORIZONTAL COORDINATES ARE EXPRESSED IN NAD 83(91)
ELEVATIONS EXPRESSED IN NGVD 29(47)

REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
JULY 16, 1982
STEPHEN LOY SWINEHART
2013

RENEWAL DATE
JUNE 30, 1998

LINCOLN COUNTY SURVEYOR'S OFFICE
880 N.E. 7th STREET
NEWPORT, OR 97365
541-265-4147

COR 14
FILE DATE 1-27-97

SHEET 5 OF 5

"TO REACH" DESCRIPTIONS FOR HORIZONTAL CONTROL

9601

FROM NEWPORT GO EAST ON HWY. 20 FOR 6.8 MILES. TURN RIGHT ON HWY. 20 BUSINESS LOOP 1.2 MILES TO TRAFFIC LIGHT IN TOLEDO. TURN RIGHT ON "A" STREET FOR 0.1 MILE, TURN LEFT ON FIRST ST., FOR ONE BLOCK ACROSS RAILROAD TRACK, TURN RIGHT ON BUTLER BRIDGE ROAD FOR 1.4 MILES TO JUNCTION OF ELK CITY RD., TURN RIGHT ON SOUTH BAY ROAD (CO. RD. NO. 520), FOR 1.2 MILES. TURN LEFT ON "1000 LINE" RD. FOR 4.4 MILES. TURN LEFT ON USFS ROAD 5083 FOR 0.6 MILES TO CARSONITE POST AND MONUMENT ON RIGHT SHOULDER, 200' BEYOND SPUR ROAD RIGHT. 9601 MONUMENT IS 25' SE OF ROAD CENTERLINE AND S 63° E, 45.8' FROM A 9" FIR WITH A PAINTED RED BAND AT THE TOP OF THE CUTBANK. (COR9601 BEARS S22°E, 2412 FEET. 9621 BEARS S26°W, 716 FEET.)
TIME FROM NEWPORT: 30 MINUTES.

9621

FROM 9601 GO BACK THE WAY YOU CAME FOR 200' TURN LEFT DOWNHILL ON GRAVEL SPUR ROAD OUT RIDGETOP SOUTH AND WEST 0.2 MILES. CARSONITE POST AND MONUMENT ARE ON TOP OF KNOB ON LEFT OF ROAD, 300' EAST OF END OF SPUR ROAD. 9621 MONUMENT IS 25' SOUTH OF ROAD CENTERLINE.
(COR9601 BEARS S 37° E, 1970'.
9601 BEARS N 26° E, 716 FEET.)

COR9601

FROM NEWPORT GO EAST ON HWY. 20 FOR 6.8 MILES. TURN RIGHT ON HWY. 20 BUSINESS LOOP FOR 1.2 MILES TO TRAFFIC LIGHT IN TOLEDO. TURN RIGHT ON "A" STREET FOR 0.1 MILES, TURN LEFT ON FIRST ST. FOR ONE BLOCK ACROSS RAILROAD TRACK. TURN RIGHT ON BUTLER BRIDGE ROAD FOR 1.4 MILES TO JUNCTION OF ELK CITY ROAD, TURN RIGHT ON SOUTH BAY ROAD (CO. RD. 520), FOR 1.2 MILES. TURN LEFT ON "1000 LINE" RD., FOR 5.7 MILES (0.6 MILES PAST USFS 5000 JUNCTION RIGHT), PARK ON RIGHT SHOULDER. PACK UPHILL TO EAST ± 500' TO COR9601 ON NORTH EDGE OF STANDING TIMBER. (9601 BEARS N 22° W, 2400'.) (9621 BEARS N37°W, 1970 FEET.)

9602

FROM NEWPORT GO SOUTH ON HWY. 101 FOR 8.7 MILES. TURN LEFT (EAST) ON NORTH BEAVER CREEK COUNTY ROAD 602, FOR 3.9 MILES PASSING JUNCTIONS RIGHT AT 1.0 (SOUTH BEAVER CREEK) AND 3.2 (BEAVER VALLEY). TURN RIGHT ON PAVED ELKHORN RD (USFS 5100) FOR 6.0 MILES TO T-JUNCTION. TURN LEFT ON USFS 5000 FOR 1.4 MILES TO JUNCTION AND END OF ASPHALT. TURN RIGHT ON USFS 5087 FOR 0.9 MILES TO STATION 9602 AND CARSONITE POST ON LEFT.
TRAVEL TIME: FROM NEWPORT, 52 MINUTES. FROM HWY. 101, 38 MINUTES. FROM USFS 50, 4 MINUTES.

AZ9602

FROM 9602, CONTINUE DOWN ROAD 355' TO AZ9602 AND CARSONITE POST ON LEFT.
(9602 BEARS N 24° W. 355')

COR9602

FROM AZ9602, COR9602 BEARS S 60° E, 221 FT.

COR9602A

FROM COR9602, COR9602A BEARS NORTH, 197 FT.
FROM AZ9602, COR9602A BEARS N 65° E, 213 FT.

ALTERNATE ROUTE TO 9602

FROM NEWPORT GO EAST ON HWY. 20 FOR 6 MILES, TURN RIGHT ON BUSINESS HWY. 20 FOR 1.2 MILES TO THE TRAFFIC LIGHT IN TOLEDO. TURN RIGHT ON "A" STREET FOR 0.1 MILES. TURN LEFT ON FIRST ST. FOR ONE BLOCK, CROSSING RAILROAD TRACKS. TURN RIGHT ON BUTLER BRIDGE ROAD FOR 1.3 MILES TO JUNCTION OF ELK CITY CO. RD. TURN RIGHT ON SOUTH BAY (CO. RD. 520) FOR 1.2 MILES. TURN LEFT ON "1000 LINE" RD. FOR 5.1 MILES. TURN RIGHT ON USFS 5000 (PASSING NORTH BEAVER CREEK ROAD (USFS 5031= COUNTY ROAD 602) AT 0.1 MILES ON THE RIGHT) FOR 5.2 MILES TO BEGINNING OF PAVING. TURN LEFT ON USFS 5087 FOR 1.0 MILES TO CARSONITE POST AND STATION 9602 ON LEFT.
TIME: FROM NEWPORT: 50 MINUTES. FROM "1000 LINE" RD: 21 MINUTES.

9603 AND COR9603

FROM NEWPORT GO EAST ON HWY. 20 FOR 30.2 MILES TO BURNT WOODS AT MP 32.8. TURN RIGHT ON HARLAN-BURNT WOODS ROAD (CO. RD. NO. 597), FOR 7.8 MILES TO HARLAN. TURN LEFT ON MARY'S PEAK ROAD # 618 FOR 1.1 MILES. TURN RIGHT ON USFS 3015 (SUGARLOAF ROAD a.k.a BLM RD 12-8-9.0) FOR 3.5 MILES TO 5-WAY RIDGETOP JUNCTION. GO HALF-LEFT DOWNHILL FOR 3.2 MILES TO KLICKITAT LAKE, THEN CONTINUE 1.4 MILES TO TRIANGLE JUNCTION ON RIGHT. TAKE RIGHT ON BLM ROAD 13-8-2 FOR 1.1 MILES. TURN LEFT ON BLM ROAD 13-8-10.2 FOR 1.0 MILES TO 4-WAY JUNCTION. TURN RIGHT UPHILL ON BLM ROAD 13-8-15.6 FOR 1.6 MILES TO TRIANGLE JUNCTION.. TURN RIGHT FOR 200 FEET TO JUNCTION. TURN LEFT FOR 2.4 MILES TO OPEN AREA AT RIDGETOP. TURN RIGHT ON 4-WHEEL DRIVE TRACK DOWNHILL TO NORTHWEST FOR 300', PARK AT SADDLE.
TIME FROM NEWPORT: 2 1/4 HRS.

COR9603

FROM SADDLE PACK WESTERLY ALONG SIDEHILL +/- 800' TO CORNER AT NORTHEAST EDGE OF TIMBERLINE. (9603 BEARS N76°E, 445 FEET.)

9603

FROM SADDLE PACK UPHILL N 45° W FOR 300 FEET, THEN WEST FOR 350 FEET TO TOP OF ROCKY KNOB. GO 80 FEET PAST A 10' TALL BALANCED ROCK. STATION IS 30 FEET EAST OF WEST END OF KNOB. STATION IS N 30° W, 25 FEET FROM A 10" NOBLE FIR.

9604 AND COR9604

FROM NEWPORT GO SOUTH ON HWY. 101 16.0 MILES TO WALDPORT. TURN EAST ON HWY. 34 TO MP 26.7 (65 MINUTES FROM NEWPORT, 50 MINUTES FROM WALDPORT). TURN LEFT ON FALL CREEK ROAD FOR 4.2 MILES TO JUNCTION. TURN RIGHT OVER CATTLE GUARD 0.5 MILES TO JUNCTION. TURN LEFT ON USFS 3413 FOR 1.7 MILES. TURN RIGHT ON USFS 3105 (NOT MARKED WITH SIGN) FOR 2.3 MILES (PASSING SPUR ROAD LEFT AT 0.3 MILES) TO A 4-WAY JUNCTION AND WEST EDGE OF CLEAR CUT (USFS 3105 TURNS LEFT AND CONTINUES UPHILL NORTHWEST). PARK TRUCK.
TIME FROM HWY. 34: 33 MINUTES.

9604

FROM TRUCK PACK DOWNHILL ON ROCKED SPUR ROAD RIGHT TO SOUTHEAST FOR 500 FEET. PACK DOWNHILL S 5° E, 500 FEET TO STATION 9604. STATION IS 32 FEET N 34° E FROM A 4' DIAMETER FIR STUMP 3' TALL, 48 FEET N3°E OF ANOTHER 4 FOOT DIAMETER FIR STUMP, AND 50 FEET NORTH OF A CAT ROAD.
PACK TIME:15 MINUTES.

COR9604

FROM 9604, PACK S 30° W, 546 FEET TO COR9604, 100' INSIDE TIMBER.

9605

FROM WALDPORT GO EAST ON HWY. 34 FOR 2.7 MILES. TURN RIGHT ON ECKMAN CREEK ROAD FOR 2.2 MILES. TURN LEFT ON ASPHALT USFS RD 53 FOR 7.6 MILES. TURN LEFT ON USFS RD 5303 (LEFT OF TWO ROADS) FOR 1.9 MILES. PARK TRUCK.
TIME FROM WALDPORT: 35 MINUTES.

COR9605

FROM TRUCK PACK EASTERLY 80' TO STATION 9605. (COR9005 BEARS S 77° E, 167'.)

ALTERNATE ROUTE TO 9605

FROM 9605 PROCEED S77°E, 167 FEET.

FROM MILEPOST 7 ON HIGHWAY 34, TURN RIGHT (SOUTH) ON CANAL CREEK ROAD. PROCEED 4.2 MILES TO DIRT-PILE ROADBLOCK. TURN RIGHT ON USFS 5304 FOR 2.8 MILES TO JUNCTION WITH USFS 5300 AND USFS 5303. TURN SHARP RIGHT ON USFS 5303 FOR 1.9 MILES.

9606

FROM WALDPORT GO EAST ON HWY. 34 FOR 4.8 MILES, (0.1 MILES PAST DARKEY CREEK BRIDGE). TURN RIGHT ON USFS RD 3490 FOR 2.3 MILES (PASSING SPURS LEFT AT 0.8 AND 1.6 MILES AND SPUR ROAD RIGHT AT 2.0 MILES). TURN RIGHT ON SPUR ROAD TO NORTHWEST FOR 0.1 MILES AND PARK. 9606 AND CARSONITE POST IS AT NORTH EDGE OF LANDING. TIME FROM HWY. 34: 20 MINUTES. TIME FROM NEWPORT: 55 MINUTES.

COR9606

FROM 9606, PACK S6°W 300 FEET. (AZ9606 BEARS S 8° E, 168 FEET.)

AZ9606 FROM 9606 PACK S8°E, 168 FEET. FROM COR9606 PACK N23°E, 145 FEET.

9607

FROM WALDPORT: GO EAST ON HWY. 34 FOR 20.6 MILES (26 MINUTES). TURN RIGHT ON FIVE RIVERS ROAD (COUNTY ROAD NO. 807) FOR 3.3 MILES (7 MINUTES). TURN LEFT (EAST) ONTO EAST LOBSTER VALLEY ROAD (COUNTY ROAD 808) (WHICH BECOMES UPPER LOBSTER ROAD AS IT PASSES INTO BENTON COUNTY), FOR 2.9 MILES (5 MINUTES). TURN RIGHT ON ALDER CREEK RD (USFS RD 3305) FOR 5.4 MILES (17 MINUTES) TO A BLOCKED SPUR ROAD LEFT (USFS RD 118). PARK TRUCK. PACK NORTH ON USFS SPUR ROAD 118 FOR 20 MINUTES TO SPUR ROAD LEFT (UNMARKED USFS 123). TURN LEFT ON USFS 123 FOR APPROXIMATELY 1000 FEET TO THE END OF THE SPUR ROAD TO 9607 AND CARSONITE POST ON NORTH EDGE OF LANDING.

COR9607

FROM WHERE THE TRUCK IS PARKED AT 9607, RETURN ALONG USFS 3305 FOR 1.5 MILES. TURN RIGHT ON USFS 3309 FOR 0.9 MILES OVER WATER BARS TO YELLOW USFS LOCATION TAG ON RIGHT. PROCEED 150 FEET ALONG ROAD PAST LOCATION TAG. PACK S20°E FOR APPROXIMATELY 1300 FEET ALONG SPUR RIDGE TO COR9607 ON LEFT SIDE OF SPUR.

9608

FROM NEWPORT GO SOUTH ON HWY. 101 TO WALDPORT. GO EAST ON HWY. 34 TO MP 13.1. TURN RIGHT ON BOUNDARY ROAD, (USFS ROAD 5800) FOR 6.7 MILES TO END OF ASPHALT. ****. CONTINUE ON FOR 0.5 MILES TO JUNCTION OF USFS ROAD 3210. TURN RIGHT FOR 2.2 MILES TO JUNCTION OF USFS ROAD 3462, TURN RIGHT ON USFS ROAD 3462 FOR 1.9 MILES TO 9608 AND CARSONITE POST ON RIGHT. (COR 9608 BEARS N 14° E, 110')
TIME FROM NEWPORT: 45 MINUTES. FROM HWY. 34: 15 MINUTES.

COR9608

FROM 9608 PACK N 14° E, 110 FEET.

9608 ALTERNATE ROUTE

FROM MP 7 ON HIGHWAY 34 TURN RIGHT (SOUTH) ON CANAL CREEK ROAD FOR 3.9 MILES. TURN LEFT OVER BRIDGE ONTO USFS 5860 FOR 2.7 MILES TO JUNCTION WITH USFS 5800 ONTO ROAD 5800 AT MP 5.1. TURN RIGHT FOR 1.6 MILES TO END OF ASPHALT, THEN PROCEED AS ABOVE AT ****.

9629

FROM WALDPORT GO SOUTH ON HWY. 101, 12.6 MILES. TURN LEFT ON THE PAVED CAPE PERPETUA AUTO TOUR ROAD (USFS RD. 5500) FOR 3.6 MILES. TURN LEFT ON GRAVEL USFS RD. 5506 FOR 0.5 MILES, JUST PAST FIRST SPUR ROAD ON RIGHT, TO STATION 9609 AND CARSONITE POST ON RIGHT. 9609 BEARS N19°W, 593 FEET. TIME FROM WALPORT: 45 MINUTES.

9609

FROM 9629 CONTINUE ON USFS 5506 250 FEET, TURN RIGHT ONTO SPUR ROAD. PROCEED UP SPUR ROAD 400 FEET TO BASALTIC ROCK OUTCROPPING AT TOP OF RIDGE. STATION 9609 AND CARSONITE POST ARE ON EASTERLY EDGE OF CLEARING. (COR9609 IS NOT VISIBLE FROM 9609, BUT BEARS N44°E, 2000 FEET.)

COR9609

FROM YACHATS GO EAST ON YACHATS RIVER ROAD 4.5 MILES. TURN RIGHT ON GRAVEL ROAD PROCEED FOR 0.1 MILE TO BRIDGE OVER YACHATS RIVER. PROCEED 3.8 MILES ON MAIN TRACK, TAKING RIGHT FORKS AT 0.8 AND 0.9 MILES, AND LEFT FORKS AT 2.0, 2.4, 3.0, AND 3.7 MILES AND PARK TRUCK. PACK NORTHWESTERLY ALONG OLD ROAD GRADE 0.6 MILES TO THE JUNCTION OF TWO STREAMS FROM THE SOUTH. WALK SOUTH UP RIDGE BETWEEN TWO STREAMS FOR 800 FEET TO CARSONITE POST. PROCEED EASTERLY 150 FEET TO COR9609. PACK TIME: 40 MINUTES. DRIVE TIME FROM YACHATS: 1 HR, 20 MIN.

COR9611

FROM NEWPORT GO SOUTH ON HWY. 101 TO WALDPORT. TURN EAST ON HWY. 34 FOR 13.1 MILES. TURN RIGHT ON BOUNDARY ROAD (USFS ROAD 5800) FOR 1.4 MILES, THEN TURN RIGHT ON USFS RD 410 FOR 1.4 MILES TO THE ALSEA RIVER. TAKE LEFT FORK UPHILL, PAST EQUIPMENT BARN, FOR APPROXIMATELY 1 MILE, TO LANDING AT END OF CAT ROAD. COR9611 IS ON THE LEFT, AT THE SOUTHEAST EDGE OF THE LANDING ALONG THE NORTH EDGE OF STANDING TIMBER. (9611 IS ACROSS THE RIVER AND BEARS N 45° W, 1423 FEET. COR 9611A BEARS WEST, 525 FEET.)

COR9611A

FROM COR 9611 WALK WEST, 525 FEET TO COR9611A. (9611 IS ACROSS THE RIVER N 25° W, 1109 FEET.)

9611

FROM THE INTERSECTION OF HIGHWAYS 101 AND 34 IN WALDPORT: PROCEED EAST ON HIGHWAY 34 FOR 10.7 MILES TO THE INTERSECTION WITH LITTLE SWITZERLAND ROAD. TURN RIGHT (SOUTH) ONTO LITTLE SWITZERLAND ROAD FOR 1.4 MILES TO 9611 AND CARSONITE POST ON THE LEFT. STATION IS 12 FEET NORTHEAST OF THE ROAD CENTERLINE, 2 FEET ABOVE ROAD GRADE, 3 FEET SOUTHERLY OF A BARBED WIRE FENCE. A CARSONITE POST BEARS NORTH, 2 FEET. (COR9611 BEARS S 45° E, 1423 FEET. COR9611A BEARS S 25° E, 1110 FEET.) TIME FROM WALDPORT :19 MIN.

9612

FROM THE INTERSECTION OF HIGHWAYS 101 AND 34 IN WALDPORT, GO SOUTH ON HIGHWAY 101, 5.75 MILES TO 9612 ON THE RIGHT AT MP 161.65. THE STATION IS IN THE ASPHALT DRIVEWAY APRON, 6 FEET WEST OF FOG LINE, 8 FEET EAST OF ASPHALT PATCH OVER CULVERT IN DITCH LINE. FROM THE SOUTH, THE STATION IS 3 MILES NORTH OF YACHATS AND ABOUT 600 FEET NORTH OF CAMP ONE ROAD, IN THE FIRST DRIVEWAY WEST.
(COR9612 BEARS EAST, 878 FT. COR9612A BEARS WEST, 692 FT.)

COR9612

FROM 9612 PACK EAST 878 FEET TO COR 9612. CONTACT LANDOWNER TO SOUTH BEFORE VISITING CORNER.

COR9612A

FROM 9612 PACK WEST 692' TO COR9612A.

NOTE:

"TO REACH" DESCRIPTIONS FOR THE FOLLOWING STATIONS, ARE TO BE FOUND IN THE LINCOLN COUNTY GEODETIC CONTROL DIRECTORY, ON FILE IN THIS OFFICE.

9001
HAMILTON
MARY RM 5
OV79 (aka V79)
PON

22 KJO

FROM NEWPORT GO EAST ON HIGHWAY 20 FOR 6.8 MILES. TURN RIGHT ON HIGHWAY 20 BUSINESS LOOP FOR 1.2 MILES TO TRAFFIC LIGHT AT "A" STREET IN TOLEDO. TURN RIGHT ON "A" STREET FOR 0.1 MILES. TURN LEFT ON FIRST STREET FOR ONE BLOCK, ACROSS RAILROAD TRACKS. TURN RIGHT ON BUTLER BRIDGE ROAD FOR 2.5 MILES TO JUNCTION OF ELK CITY ROAD. TURN RIGHT ON SOUTH BAY ROAD FOR 2.1 MILES. TURN LEFT ON 1000-LINE ROAD FOR APPROXIMATELY 8.3 MILES TO INTERSECTION OF HILLTOP ROAD (ROAD TO HARLAN). TURN LEFT FOR 108 FEET TO STATION ON RIGHT. BRASS CAP ON COPPER COATED ROD IS 18 FEET SOUTH OF CENTERLINE OF ROAD AND ONE FOOT NORTH OF A CARSONITE POST.

AGATE

FROM THE YACHATS POST OFFICE, GO SOUTHEASTERLY ON U.S. HWY. 101 FOR 0.45 MILES ACROSS YACHATS RIVER BRIDGE. TAKE FIRST RIGHT PAST BRIDGE ONTO YACHATS OCEAN ROAD INTO THE STATE PARK, FOR 0.5 MILES. STATION IS ON THE RIGHT IN AN AREA OF BASALTIC ROCK OUTCROPPING. (BEING 0.25 MILES NORTHWEST OF WHERE ROAD RETURNS TO HWY. 101.) STATION IS 112 FEET SOUTHWEST OF THE POST BEARING THE SAFETY RULES FOR THE COASTAL AREA, 167.3 FEET WEST OF THE CENTERLINE OF THE ROAD, 157.5 FEET WEST OF THE CENTER OF A METAL MANHOLE COVER, AND 100 FEET SOUTHWEST OF A PARK BENCH AT THE EDGE OF THE GRASS. STATION IS 3 FEET BELOW THE HEIGHT OF THE ROAD. STATION IS A BRASS TRIANGULATION DISK SET FLUSH IN ROCK, STAMPED "AGATE 1927". "AGATE RM" IS LOCATED S55°30'E, 24.8 FEET.

BM 5A 34

FROM THE INTERSECTION OF HIGHWAYS 101 AND 20 IN NEWPORT, GO 7.65 MILES SOUTHERLY ON HIGHWAY 101 TO 143-RD STREET ON THE LEFT. STATION IS 39 FEET WEST OF THE CENTERLINE OF HIGHWAY 101 AND 6.6 FEET NORTH OF 143-RD STREET CENTERLINE EXTENDED WESTERLY. A UTILITY POLE BEARS NORTH-NORTHWEST 6.9 FEET AND A STEEL WITNESS POST WITH SIGN READING "USBM" BEARS WEST 1.3 FEET. STATION IS A DISK SET IN THE TOP OF A CONCRETE POST PROJECTING 0.9 FEET.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JULY 16, 1982
STEPHEN LOY SWINEHART
2013

RENEWAL DATE
JUNE 31, 1998

LINCOLN COUNTY SURVEYOR'S OFFICE
880 N. E. 7th STREET
NEWPORT, OR 97365
541-265-4147