ORIGINAL

BENTON COUNTY CONTROL REPORT
SURVEYOR'S OFFICE

CCR # 13
FILE DATE 12-2-1996
FILE SIZE 8½×11
VERTICAL ☒
HORIZONTAL ☒

GEODETIC CONTROL SURVEY
FOR
U.S. GEOLOGICAL SURVEY
IN T.9-15 S. R.3-10W.
IN BENTON, LANE, LINCOLN, LINN, MARION, POLK COUNTIES

NARRATIVE:

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH POSITIONS ON PHOTO IDENTIFIABLE POINTS IN AND AROUND BENTON COUNTY, AS CONTROL FOR USGS QUADRANGLE MAP UPDATES FOR THE MAPS OF THIS COUNTY. A MONUMENT WAS FOUND OR SET AT EACH POINT AS DESCRIBED IN THE INDIVIDUAL STATION DESCRIPTIONS.

FOUR HIGH ACCURACY REFERENCE NETWORK (HARN) STATIONS WERE USED TO CONTROL THIS SURVEY INCLUDING "NESMITH" "E141" "PON" "HAMILTON" AND ONE LINN COUNTY GEODETIC CONTROL STATION "93250" (STA 608 OF THIS SURVEY). THE NAD 1983(1986) POSITION FOR THESE STATIONS WAS OBTAINED USING THE NGS PROGRAM NADCON VER 2.1...HOWEVER THESE POSITIONS WERE ONLY USED FOR THE PHOTO MAPPING AND ARE NOT BEING PUBLISHED HERE. THE VALUES PUBLISHED HERE ARE ALL NAD 1983(1991). VERTICALLY THE RECORD ELEVATION FOR ALL STATIONS EXCEPT "PON" WERE HELD.

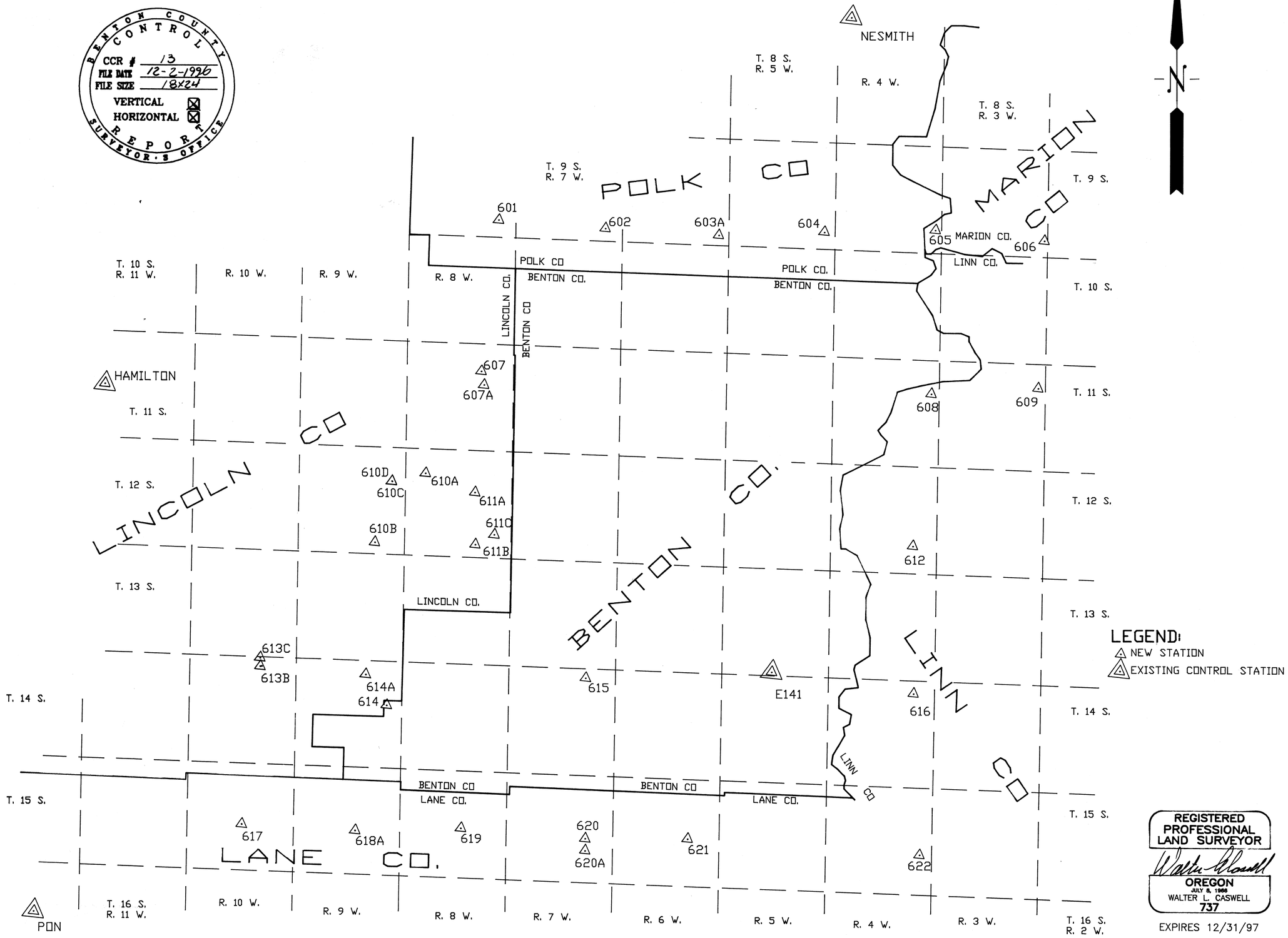
EQUIPMENT USED FOR THE MEASUREMENTS INCLUDED THREE TRIMBLE 4000SSE DUAL FREQUENCY RECEIVERS. REDUCTION OF VECTORS AND NETWORK ADJUSTMENTS WERE ACCOMPLISHED USING TRIMBLE'S GPSURVEY VER 2.00 AND GEOLAB VER. 2.4D

EAGLE GPS SURVEY CORP.
6110 SW LOMBARD AVENUE
BEAVERTON, OREGON 97008-4736
PH. (503) 643-1073

EXPIRES 12/31/97

Position edge of paper on this line.

BENTON COUNTY CONTROL
CCR # 13
FILE DATE 12-2-1996
FILE SIZE 18x24
VERTICAL ☒
HORIZONTAL ☒
SURVEYOR'S OFFICE REPORT



LEGEND:
△ NEW STATION
△ EXISTING CONTROL STATION

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JULY 8, 1986
WALTER L. CASWELL
737
EXPIRES 12/31/97

NO.	REVISION	DATE	BY

EAGLE
GPS SURVEY CORPORATION
13545 N.W. SCIENCE PARK DRIVE
PORTLAND, OREGON 97229
(503) 643-1073

GEODETIC SURVEY FOR THE U. S. GEOLOGICAL SURVEY IN BENTON, LANE, LINCOLN, LINN, MARION AND POLK COUNTIES, OREGON

SURVEYOR: W.L.C.
DRAWN BY: A.F.H.
DATE: 9/26/96
SCALE: 1" = 20,000'
JOB NO. 96-021
SHEET 38
OF 38 SHEETS

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: E141

QUARTER SECTION: SW

SEC.34 TWP.13S. RGE.5W
BENTON COUNTY, OREGON
DATE FD.: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°23'28.35830" N

LONG: 123°17'27.95859" W

SP. COOR: NAD 83(91)

N: 276754.978 INT.FT

E: 7472638.037 INT.FT.

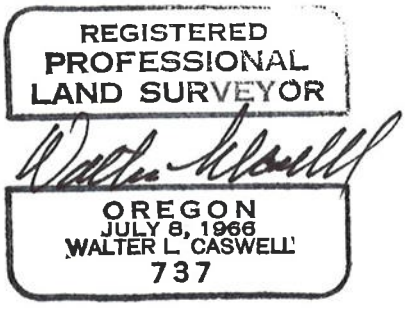
THETA: -1°58'45.871"

SCALE FACTOR: 0.999985929

ELEV: 264.337 U.S.FT.
(80.57M\264.3=NGS) (264.814=ODOT Levels)
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THE STATION IS ADEQUATELY DESCRIBED BY THE NGRS DESCRIPTION OF RECORD.
STATION IS ON THE "GREENBERRY" 7 1/2 MINUTE USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 601

QUARTER SECTION: NE

SEC.35 TWP.9S. RGE.8W
POLK COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°44'56.40284" N

LONG: 123°37'24.42400" W

SP. COOR: NAD 83(91)

N: 410272.845 INT.FT

E: 7390859.535 INT.FT.

THETA: -2°12'54.388"

SCALE FACTOR: 0.999921257

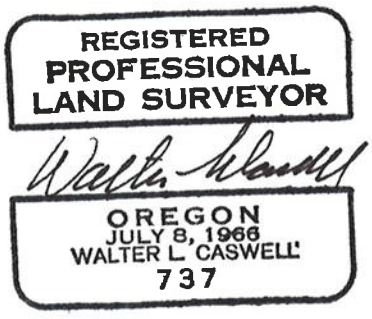
ELEV: 2171.777 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS SOUTH OF VALSETZ ON PRIVATE TIMBER LAND. THE POINT CAN BE LOCATED ON THE NORTHWEST CORNER OF THE "SUMMIT" (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT AN INTERSECTION OF UNNAMED FOREST ROADS. THE STATION IS AT THE CENTERLINE INTERSECTION OF ROADS IN THE EAST-WEST AND NORTHWEST DIRECTIONS.

THE STATION IS A 10 INCH SPIKE IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP".



EXPIRES 12/31/97

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To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 2 OF 38

GP 732

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 602

QUARTER SECTION: NE

SEC.35 TWP. 9S. RGE.7 W
POLK CO., OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°44'45.07571" N

LONG: 123°30'04.07709" W

SP. COOR: NAD 83(91)

N: 407922.382 INT.FT

E: 7422571.291 INT.FT.

THETA: -2°07'42.100"

SCALE FACTOR: 0.999921658

ELEV: 648.716 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS WEST OF HWY 223 ON PRIVATELY OWNED LOGGING ROADS. THE POINT CAN BE LOCATED ON THE "SUMMIT" (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT AN INTERSECTION OF UNNAMED FOREST ROADS. THE STATION IS AT THE CENTERLINE INTERSECTION OF ROADS IN THE NORTH, SOUTH AND WEST DIRECTIONS.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA". REBAR IS SET 3 FOOT EAST OF THE EAST EDGE OF GRAVEL ON THE CENTERLINE EXTENDED OF THE ROAD WEST.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 3 OF 38

GP733

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 603A

QUARTER SECTION: SW

SEC.36 TWP.9S. RGE.6W
POLK COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°44'38.88842" N

LONG: 123°22'15.41788" W

SP. COOR: NAD 83(91)

N: 406067.342 INT.FT

E: 7456348.854 INT.FT.

THETA: -2°02'09.733"

SCALE FACTOR: 0.999921878

ELEV: 662.344 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM AIRLIE GO NORTHWEST ON AIRLIE ROAD 1.2 MI TO TARTER RD ON THE LEFT. TURN LEFT AND GO WEST TO TURN IN ROAD TO THE RIGHT AND A PRIVATE LOGGING ROAD TO THE LEFT. TURN LEFT AND GO WEST AND SOUTH PAST AIRLIE MEAT CO AND LOCKED GATE FOR 1 1/2 MI TO LOG ROAD ON THE LEFT. TURN LEFT AND GO EAST TO FORK IN ROAD AND THE STATION IN THE CENTERLINE OF THE FORK.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

STATION IS IN THE NORTHWEST CORNER OF THE "AIRLIE SOUTH" 7 1/2 MIN. USGS QUADRANGLE MAP.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Walter Caswell

OREGON
JULY 8, 1966
WALTER L. CASWELL
737

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 4 OF 38

GP 734

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 604

QUARTER SECTION: NW

SEC.36 TWP.9S. RGE.5W
POLK COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°44'59.65491" N

LONG: 123°15'00.89408" W

SP. COOR: NAD 83(91)

N: 407078.346 INT.FT

E: 7487761.065 INT.FT.

THETA: -1°57'01.575"

SCALE FACTOR: 0.999921142

ELEV: 271.932 U.S.FT.

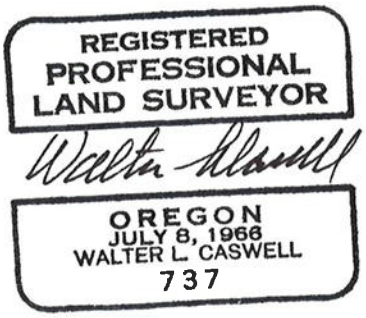
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THIS STATION FROM CORVALLIS, GO NORTH ON HWY 99W FOR 12.8 MILES TO AIRLIE ROAD. TURN LEFT AND GO WEST ON AIRLIE ROAD FOR 1.2 MI. TO DIRT ROAD ON RIGHT. TURN RIGHT AND GO NORTH 0.4 MI TO ROAD INTERSECTION WEST/SSE/ENE AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE POINT CAN BE LOCATED ON THE AIRLIE SOUTH (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".



EXPIRES 12/31/97

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1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 5 OF 38

GP 735

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 605

QUARTER SECTION: SW

SEC.25 TWP.9S. RGE.4W
MARION COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°45'18.40975" N

LONG: 123°07'22.73126" W

SP. COOR: NAD 83(91)

N: 407877.340 INT.FT

E: 7520866.765 INT.FT.

THETA: -1°51'36.652"

SCALE FACTOR: 0.999920486

ELEV: 178.159 U.S.FT.

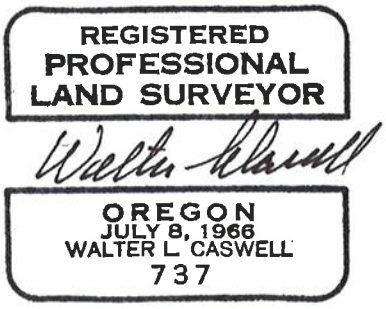
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM THE COMMUNITY OF TALBOT IN SOUTHERN MARION COUNTY, GO WEST ON TALBOT ROAD FOR 1 1/2 MILES TO EMMONS ROAD ON THE LEFT. TURN LEFT AND GO SOUTH FOR 0.5 MI TO A FARM ROAD ON THE RIGHT AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

STATION IS IN THE SOUTHWEST CORNER OF THE "SIDNEY" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

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1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 6 OF 38

GP 736

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 606

QUARTER SECTION: NE

SEC.36 TWP.9S. RGE.3W
MARION COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°44'58.56119" N

LONG: 122°59'51.38907" W

SP. COOR: NAD 83(91)

N: 404836.404 INT.FT

E: 7553355.469 INT.FT.

THETA: -1°46'16.567"

SCALE FACTOR: 0.999921181

ELEV: 257.805 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION FROM THE CITY OF MARION, GO SOUTH AND WEST ON THE ROAD TO JEFFERSON FOR 4 MI. TO SKELTON RD ON THE RIGHT. TURN RIGHT AND GO NORTH ON SKELTON ROAD FOR 1.2 MI TO ROBISON RD ON THE LEFT AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

STATION IS IN THE NORTHWEST CORNER OF THE "CRABTREE" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 7 OF 38

GP 737

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 607

QUARTER SECTION: SW

SEC.11 TWP.11S. RGE.8W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°37'31.68048" N

LONG: 123°38'09.87796" W

SP. COOR: NAD 83(91)

N: 365398.264 INT.FT

E: 7385834.143 INT.FT.

THETA: -2°13'26.623"

SCALE FACTOR: 0.999939237

ELEV: 791.435 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

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DIRECTIONS "TO REACH": TO REACH THE STATION FROM HWY 20 AT A POINT 0.5 MI EAST OF ELMAKER STATE PARK, TURN NORTH ON GRAVEL DRIVE AND GO 0.3 MI. TO SECOND GATE. CONTINUE 0.15 MI TO FORKED INTERSECTION AND STATION IN THE CENTERLINE OF THE INTERSECTION.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

STATION IS IN THE NORTHEAST CORNER OF THE "NORTONS" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 8 OF 38

GP 738

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 607A

QUARTER SECTION: SW

SEC.14 TWP.11S. RGE.8W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°36'52.17090" N

LONG: 123°37'56.06447" W

SP. COOR: NAD 83(91)

N: 361361.529 INT.FT

E: 7386677.288 INT.FT.

THETA: -2°13'16.827"

SCALE FACTOR: 0.999941057

ELEV: 723.083 U.S.FT.

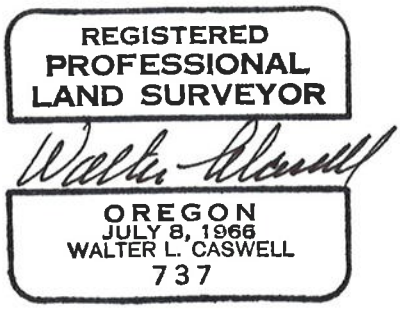
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION GO THE ENTRANCE DRIVEWAY TO THE ELMAKER STATE PARK (20 MI WEST OF CORVALLIS) AND THE STATION ON THE WEST SIDE OF THE TRAFFIC SEPARATOR TRIANGLE ON THE NORTH SIDE OF THE HIGHWAY AND THE EAST SIDE OF THE DRIVEWAY. FROM THE WESTERLY CORNER OF THE TRIANGLE THE STATION IS NORTHEAST 12 FEET.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE.

STATION IS IN THE NORTHEAST CORNER OF THE "HARLAN" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

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1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
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Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 9 OF 38

GP739

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 608

QUARTER SECTION: SW

SEC.12 TWP.11S. RGE.4W
LINN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°37'34.12887" N

LONG: 123°07'26.02502" W

SP. COOR: NAD 83(91)

N: 360893.674 INT.FT

E: 7519102.520 INT.FT.

THETA: -1°51'38.988"

SCALE FACTOR: 0.999939126

ELEV: 215.406 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

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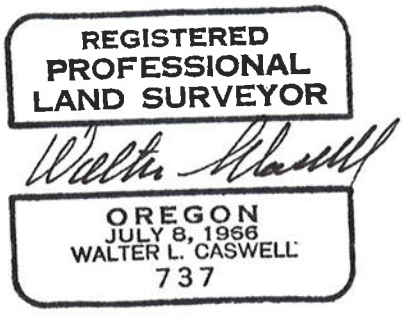
DIRECTIONS "TO REACH": IN ALBANY, GO TO THE INTERSECTION OF 13th AND GALE ST AND THE STATION IN THE CENTER OF THE INTERSECTION.
THE STATION IS A 2 INCH ALUMINUM CAP IN A MONUMENT BOX. DISK IS STAMPED "LINN CO GPS 93250".
STATION IS IN THE SOUTHWEST CORNER OF THE "ALBANY" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

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1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 10 OF 38

GP740

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 609

QUARTER SECTION: NW

SEC.12 TWP.11S. RGE.3W
LINN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°37'46.62776" N

LONG: 122°59'56.24680" W

SP. COOR: NAD 83(91)

N: 361127.710 INT.FT

E: 7551652.360 INT.FT.

THETA: -1°46'20.012"

SCALE FACTOR: 0.999938558

ELEV: 252.454 U.S.FT.

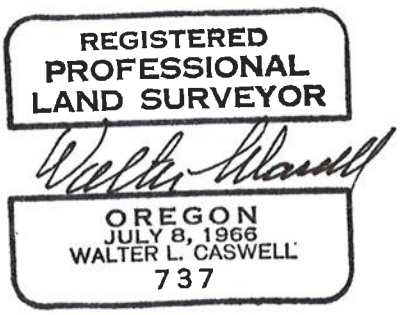
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION FROM I-5 AND HWY 20, GO EAST ON HWY 20 FOR 3.0 MI TO DRIVEWAY #34994 AND THE STATION IN THE CENTER OF THE DRIVEWAY AND THE SOUTH EDGE OF THE HWY. STATION IS 220 FEET NORTH OF BURKHART CRK.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE.

STATION IS IN THE SOUTHWEST CORNER OF THE "CRABTREE" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 11 OF 38

GP741

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 610A

QUARTER SECTION: SW

SEC. 8 TWP. 12S. RGE.8W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°32'26.25843" N

LONG: 123°41'41.01279" W

SP. COOR: NAD 83(91)

N: 335091.513 INT.FT

E: 7369354.128 INT.FT.

THETA: -2°15'56.357"

SCALE FACTOR: 0.999954244

ELEV: 240.390 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION GO TO THE COMMUNITY OF HARLAN AND THE STATION AT THE INTERSECTION OF THE HARLAN RD (NORTH/WEST) AND THE MARY'S PEAK RD (EAST). STATION IS ON THE SOUTHERLY CENTERLINE EXTENDED OF HARLAN ROAD AND ON THE SOUTH SIDE OF THE ROAD, 8 FEET NORTH OF THE ROAD SIGN.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE.

STATION IS ON THE "HARLAN" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 12 OF 38

GP 742

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 610B

QUARTER SECTION: SW

SEC.35 TWP.12S. RGE.9W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°28'57.82336" N

LONG: 123°44'56.45456" W

SP. COOR: NAD 83(91)

N: 314565.410 INT.FT

E: 7354361.870 INT.FT.

THETA: -2°18'14.962"

SCALE FACTOR: 0.999965727

ELEV: 1830.515 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION FROM HWY 34 AND FALL CREEK RD, GO NORTH ON FALL CREEK RD (STAYING ON MAIN RD) 4.0 MI., TURN RIGHT AND GO 0.6 MI., TURN LEFT AND GO 1.7 MI., TURN LEFT AND GO 1.1 MI., TURN RIGHT AND GO 2.5 MI., TURN RIGHT AND GO 0.2 MI., TURN SHARP RIGHT AND GO 1.0 MI., TO FORK AND STATION IN THE CROTCH OF THE FORK.

THE STATION IS A RAILROAD SPIKE SET FLUSH WITH THE SURFACE OF THE GROUND.

STATION IS IN THE NORTHWEST CORNER OF THE "GRASS MTN" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 13 OF 38

GP756

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 610C

QUARTER SECTION: NW

SEC.13 TWP.12S. RGE.9W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°31'58.29243" N

LONG: 123°43'56.00529" W

SP. COOR: NAD 83(91)

N: 332650.534 INT.FT

E: 7359471.737 INT.FT.

THETA: -2°17'32.092"

SCALE FACTOR: 0.999955727

ELEV: 272.942 U.S.FT.

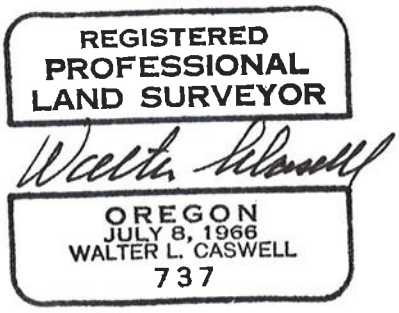
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM THE COMMUNITY OF HARLAN (WEST OF CORVALLIS) GO WEST 1 MI. TO GRANT CREEK RD ON THE LEFT. TURN LEFT AND GO SOUTHWEST 1.3 MI TO DRIVEWAY ON THE LEFT. TURN DOWN DRIVEWAY AND GO TO SIDE DRIVEWAY ON THE LEFT AND A LOADING PEN TO THE SOUTHEAST. THE STATION IS IN THE NORTHERLY NORTHEAST CORNER OF THE LOADING PEN.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

STATION IS 2 MI NORTH AND 1 MI EAST OF THE SOUTHWEST CORNER OF THE "HARLAN" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 610D

QUARTER SECTION: NW

SEC.13 TWP.12S. RGE.9W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°31'58.93177" N

LONG: 123°43'57.39883" W

SP. COOR: NAD 83(91)

N: 332719.263 INT.FT

E: 7359373.467 INT.FT.

THETA: -2°17'33.080"

SCALE FACTOR: 0.999955693

ELEV: 275.498 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM THE COMMUNITY OF HARLAN (WEST OF CORVALLIS) GO WEST 1 MI. TO GRANT CREEK RD ON THE LEFT. TURN LEFT AND GO SOUTHWEST 1.3 MI TO DRIVEWAY ON THE LEFT. TURN DOWN DRIVEWAY AND GO TO SIDE DRIVEWAY ON THE LEFT AND THE STATION AT THE CENTER OF THE INTERSECTION.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

STATION IS 2 MI NORTH AND 1 MI EAST OF THE SOUTHWEST CORNER OF THE "HARLAN" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 611A

QUARTER SECTION: SE

SEC.15 TWP.12S. RGE.8W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°31'36.61062" N

LONG: 123°38'14.88333" W

SP. COOR: NAD 83(91)

N: 329482.745 INT.FT

E: 7384076.427 INT.FT.

THETA: -2°13'30.173"

SCALE FACTOR: 0.999956888

ELEV: 311.886 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM HARLAN GO EAST ON MARY'S PEAK ROAD FOR 5. MI TO CRAWFORD CANYON CREEK. CONTINUE EAST 0.2 MI TO ROAD ON THE RIGHT. TURN RIGHT AND GO SOUTH .05 MI TO WIDE SPOT IN THE ROAD AND THE STATION IN THE CENTER OF THE ROAD.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA". FROM THE STATION A POWER POLE IS EAST 19.3 FEET AND A POST IS WEST 42.3 FEET.

STATION IS 2 MI NORTH AND 1/2 MI WEST OF THE SOUTHEAST CORNER OF THE "HARLAN" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 16 OF 38

GP743

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 611B

QUARTER SECTION: SE

SEC.26 TWP.12S. RGE.8W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°29'35.68440" N

LONG: 123°36'48.03931" W

SP. COOR: NAD 83(91)

N: 317002.738 INT.FT

E: 7389891.129 INT.FT.

THETA: -2°12'28.584"

SCALE FACTOR: 0.999963567

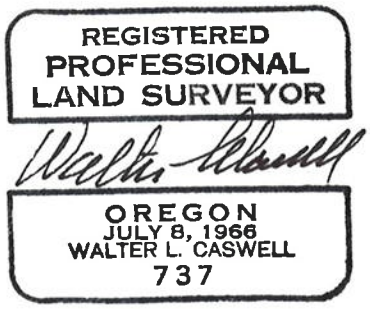
ELEV: 1578.199 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS 16 MI WEST OF CORVALLIS OR TO THE NORTHWEST OF HWY 34. THE POINT CAN BE LOCATED IN THE NORTHWEST CORNER OF THE "ALSEA" (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT AN INTERSECTION OF UNNAMED FOREST ROADS. THE STATION IS AT THE NORTH END OF A DEAD END ROAD TO THE NORTH OF A LOGGING ROAD, IN THE CENTER OF A LANDING.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 17 OF 38

GP744

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 611C

QUARTER SECTION: NW

SEC.35 TWP.12S. RGE.8W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°29'04.42470" N

LONG: 123°38'03.86884" W

SP. COOR: NAD 83(91)

N: 314052.030 INT.FT

E: 7384275.986 INT.FT.

THETA: -2°13'22.361"

SCALE FACTOR: 0.999965348

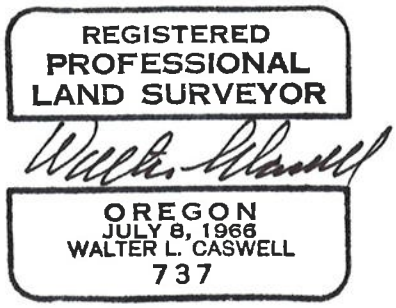
ELEV: 1189.801 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS 17 MI WEST OF CORVALLIS OR TO THE NORTHWEST OF HWY 34. THE POINT CAN BE LOCATED IN THE NORTHEAST CORNER OF THE "GRASS MTN." (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE ON AN UNNAMED FOREST ROAD JUST NORTH OF SWEETHOME CREEK. THE STATION IS IN THE CENTER OF THE ROAD AND ON THE EASTERLY EXTENSION OF THE CENTERLINE OF AN ABANDONED SEMI TRAILER FROM "SOUTHERN PACIFIC TRUCK SERVICE".

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 18 OF 38

GP 745

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 612

QUARTER SECTION: SE

SEC.26 TWP.12S. RGE.4W
LINN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°29'51.81568" N

LONG: 123°08'08.08242" W

SP. COOR: NAD 83(91)

N: 314200.724 INT.FT

E: 7514535.627 INT.FT.

THETA: -1°52'08.815"

SCALE FACTOR: 0.999962656

ELEV: 247.004 U.S.FT.

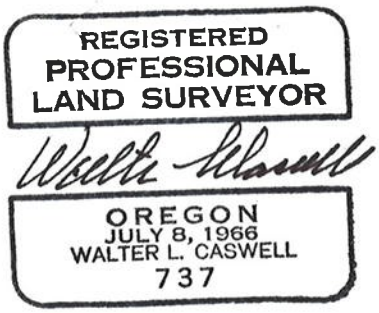
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THIS STATION FROM ORE. HWY. 34 TAKE HWY 99E SOUTH 3.5 MI TO BELL PLAIN DR. GO WEST TO McLAGAN RD AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE,

STATION IS IN THE NORTHEAST CORNER OF THE "PEORIA" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 19 OF 38

GP 746

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 613A

QUARTER SECTION: SW

SEC. 2 TWP.14S. RGE.10W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°22'42.05143" N

LONG: 123°52'16.70555" W

SP. COOR: NAD 83(91)

N: 277852.636 INT.FT

E: 7320884.006 INT.FT.

THETA: -2°23'27.181"

SCALE FACTOR: 0.999988969

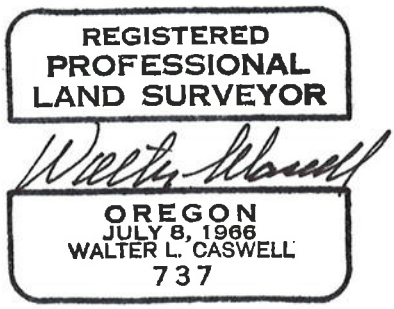
ELEV: 992.711 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS 2 MI WSW OF THE HELLION RAPIDS (HWY 34 WEST OF CORVALLIS). THE POINT CAN BE LOCATED IN THE SOUTHWEST CORNER OF THE HELLION RAPIDS (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT AN INTERSECTION OF AN UNNAMED FOREST ROAD (RUNS N57°W AND S20°W FROM STATION) AND A SECOND NEARLY OVERGROWN ROAD (RUNS SE FROM STATION). THE STATION IS AT THE APEX OF THE FORK OF ROADS.

THE STATION IS A 10 INCH SPIKE IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP".



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 20 OF 38

GP747

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 613B

QUARTER SECTION: SW

SEC. 2 TWP.14S. RGE.10W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°22'40.86325" N

LONG: 123°52'23.37497" W

SP. COOR: NAD 83(91)

N: 277752.630 INT.FT

E: 7320395.015 INT.FT.

THETA: -2°23'31.911"

SCALE FACTOR: 0.999989048

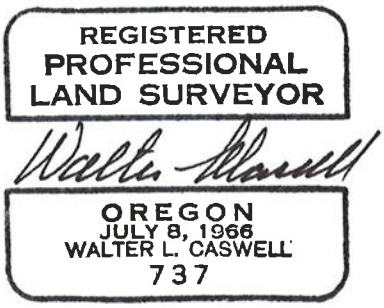
ELEV: 947.081 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS 2 MI WSW OF THE HELLION RAPIDS (HWY 34 WEST OF CORVALLIS). THE POINT CAN BE LOCATED IN THE SOUTHWEST CORNER OF THE "HELLION RAPIDS" (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT THE WEST END OF AN UNNAMED FOREST ROAD AT THE CENTER OF THE CULDESAC.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".



EXPIRES 12/31/97

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1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 613C

QUARTER SECTION: NW

SEC. 2 TWP.14S. RGE.10W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°23'05.71399" N

LONG: 123°52'25.55659" W

SP. COOR: NAD 83(91)

N: 280273.613 INT.FT

E: 7320341.764 INT.FT.

THETA: -2°23'33.458"

SCALE FACTOR: 0.999987409

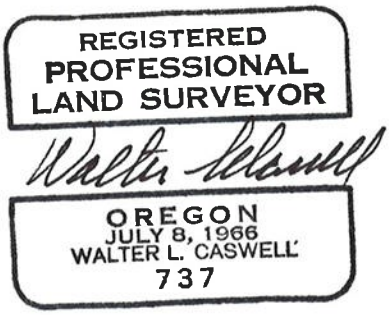
ELEV: 1127.015 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS 2 MI WSW OF THE HELLION RAPIDS (HWY 34 WEST OF CORVALLIS). THE POINT CAN BE LOCATED IN THE SOUTHWEST CORNER OF THE "HELLION RAPIDS" (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT THE EAST END OF AN UNNAMED FOREST ROAD AT THE CENTER OF THE CULDESAC.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 614

QUARTER SECTION: SW

SEC.13 TWP.14S. RGE.9W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°21'02.68626" N

LONG: 123°43'37.46279" W

SP. COOR: NAD 83(91)

N: 266258.647 INT.FT

E: 7358162.596 INT.FT.

THETA: -2°17'18.942"

SCALE FACTOR: 0.999995661

ELEV: 213.618 U.S.FT.

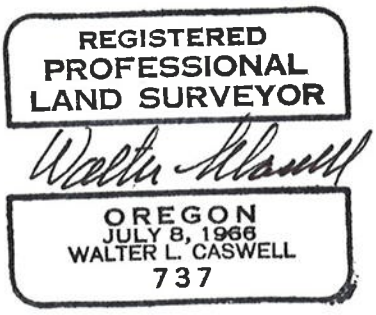
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION FROM THE BOAT RAMP AT THE MISSOURI BEND RECREATIONAL SITE ON HWY 34, GO NORTH ON HWY 34 FOR 0.5 MI TO BENNER CRK RD ON THE LEFT. TURN LEFT AND GO WEST, CROSSING THE ALSEA RIVER, 0.1 MI TO WHERE ROAD TURNS RIGHT AND DIRT ROAD GOES SW. THE STATION IS AT THE PI OF BENNER CRK RD.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE. FROM THE STATION A SIGN AT THE NORTHWEST CORNER OF THE BRIDGE IS NE 54 FEET AND A SIGN NUMBERED "3412" IS NORTH 35 FEET.

STATION IS IN THE NORTHWEST CORNER OF THE "DIGGER MTN." 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 23 OF 38

GP 730

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 614A

QUARTER SECTION: SW

SEC. 2 TWP.14S. RGE.9W
LINCOLN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°22'30.49900" N

LONG: 123°45'09.11267" W

SP. COOR: NAD 83(91)

N: 275410.980 INT.FT

E: 7351866.285 INT.FT.

THETA: -2°18'23.938"

SCALE FACTOR: 0.999989736

ELEV: 154.882 U.S.FT.

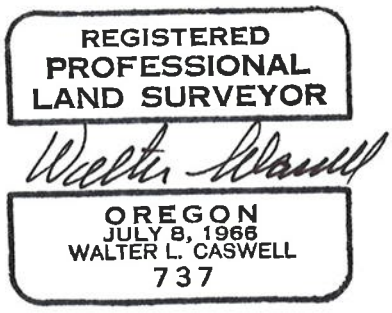
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION FROM WHERE HWY 34 CROSSES THE LINCOLN/BENTON COUNTY LINE, GO WEST ON HWY 34 FOR 1.9 MI TO BENNER CRK RD ON THE RIGHT. TURN RIGHT AND GO SOUTH, CROSSING THE ALSEA RIVER, 0.05 MI TO A ROAD INTERSECTING FROM THE WEST, AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE STATION IS A 10 INCH SPIKE IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". FROM THE STATION THE SOUTH END OF THE BRIDGE IS NORTH 105 FEET AND THE SOUTHERLY EXTENSION OF THE CENTERLINE OF THE BRIDGE IS EAST 15 FEET.

STATION IS IN THE NORTHEAST CORNER OF THE "FIVE RIVERS" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 24 OF 38

GP748

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 615

QUARTER SECTION: SW

SEC. 2 TWP.14S. RGE.7W
BENTON COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°22'48.45957" N

LONG: 123°30'08.50415" W

SP. COOR: NAD 83(91)

N: 274696.991 INT.FT

E: 7417298.358 INT.FT.

THETA: -2°07'45.240"

SCALE FACTOR: 0.999988546

ELEV: 1517.067 U.S.FT.

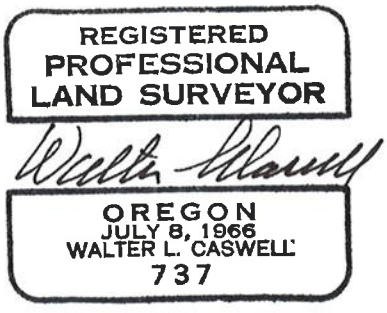
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION FROM WALDPORT GO EAST ON HWY 34 FOR 41.9 MI. TURN NORTH ON HONEY GROVE ROAD AND GO 1.3 MI TO A PRIVATE LOGGING ROAD ON THE RIGHT. TURN RIGHT AND GO SOUTH AND EAST ALONG MAIN ROAD 3.8 MI. TO ROAD ON RIGHT. TURN RIGHT AND GO SOUTH 0.2 MI TO FORK IN ROAD AND THE STATION IN THE CENTERLINE OF THE INTERSECTION.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

STATION IS IN THE SOUTHEAST CORNER OF THE "ALSEA" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 25 OF 38

GP 731

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 616

QUARTER SECTION: SW

SEC. 1 TWP.14S. RGE.4W
LINN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°22'40.83399" N

LONG: 123°07'43.28759" W

SP. COOR: NAD 83(91)

N: 270521.134 INT.FT

E: 7514911.978 INT.FT.

THETA: -1°51'51.231"

SCALE FACTOR: 0.999989050

ELEV: 281.177 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM THE SOUTH EDGE OF THE COMMUNITY OF HALSEY, GO WEST ON CROOK RD FOR 1.0 MI TO THE INTERSECTION WITH POWERLINE ROAD AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE.

STATION IS IN THE SOUTHEAST CORNER OF THE "PEORIA" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 26 OF 38

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 617

QUARTER SECTION: SE

SEC.22 TWP.15S. RGE.10W
LANE COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°14'57.07376" N

LONG: 123°53'08.11938" W

SP. COOR: NAD 83(91)

N: 230962.891 INT.FT

E: 7315180.520 INT.FT.

THETA: -2°24'03.643"

SCALE FACTOR: 1.000022246

ELEV: 1126.310 U.S.FT.

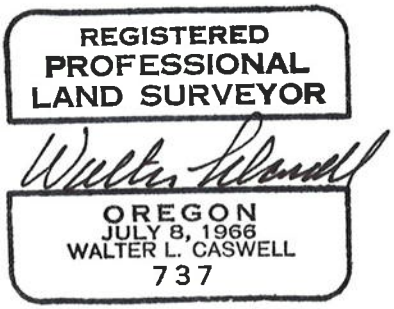
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM HWY 34, GO EAST AND SOUTH ON FIVE RIVERS ROAD FOR 8.9 MILES TO LOGGING ROAD #37 ON THE RIGHT. TURN RIGHT AND GO WEST AND SOUTH ABOUT 5.8 MILES TO A ROAD ON THE RIGHT AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE.

STATION IS IN THE NORTHEAST CORNER OF THE "CUMMINS PEAK" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 27 OF 38

GP 750

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 618A

QUARTER SECTION: SE

SEC.22 TWP.15S. RGE.9W
LANE COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°14'53.54762" N

LONG: 123°45'23.63508" W

SP. COOR: NAD 83(91)

N: 229216.656 INT.FT

E: 7348947.592 INT.FT.

THETA: -2°18'34.238"

SCALE FACTOR: 1.000022517

ELEV: 1212.209 U.S.FT.

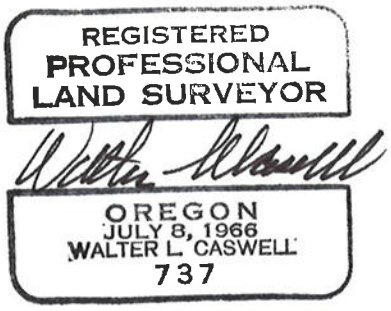
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM HWY 34, GO EAST AND SOUTH ON FIVE RIVERS ROAD FOR ABOUT 15 TO ROAD ON THE LEFT. TURN LEFT AND GO EAST ABOUT 2 MILES TO A SHORT DEAD END SIDE ROAD (LANDING) ON THE LEFT.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

THE POINT CAN BE LOCATED ON THE "HERMAN CREEK" (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT AN INTERSECTION OF UNNAMED FOREST ROADS. THE STATION IS AT THE CENTER OF THE CLEARED AREA OF THE LANDING.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 619

QUARTER SECTION: NE

SEC.22 TWP.15S. RGE.8W
LANE COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°15'13.46285" N

LONG: 123°38'12.46087" W

SP. COOR: NAD 83(91)

N: 229990.384 INT.FT

E: 7380387.207 INT.FT.

THETA: -2°13'28.455"

SCALE FACTOR: 1.000020988

ELEV: 777.564 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS SOUTH OF HWY 34 ON A FOREST LOGGING ROAD SOUTH OUT OF ALSEA. TO REACH THE STATION FROM THE INTERSECTION OF LITTLE LOBSTER ROAD AND HAZEL GLEN RD., GO SOUTH ON HAZEL GLENN RD FOR 3 MILES TO A ROAD ON THE LEFT. TURN LEFT AND GO SOUTH AND EAST TO DIRT ROAD TO THE LEFT. TURN LEFT AND GO TO THE END OF DIRT ROAD AND THE STATION IN THE CENTER OF THE LANDING.

THE POINT CAN BE LOCATED ON THE "DIGGER MTN." (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE.

THE STATION IS A 5/8 BY 30 INCH IRON REBAR WITH A PLASTIC YELLOW CAP INSCRIBED "EAGLE GPS SURVEY CONTROL STA".

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 29 OF 38

GP752

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 620

QUARTER SECTION: SE

SEC.23 TWP.15S. RGE.7W
LANE COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°14'59.69427" N

LONG: 123°29'42.86004" W

SP. COOR: NAD 83(91)

N: 227189.750 INT.FT

E: 7417399.988 INT.FT.

THETA: -2°07'27.053"

SCALE FACTOR: 1.000022044

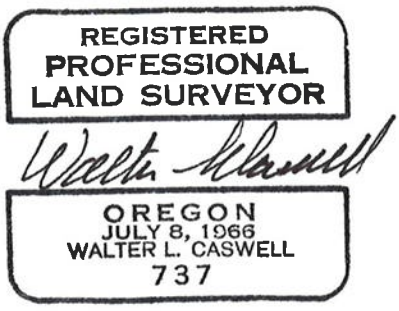
ELEV: 848.542 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS NORTH OF HWY 36 ALONG A LOGGING ROAD THAT TRAVERSES LAKE CREEK. THE POINT CAN BE LOCATED ON THE "GLENBROOK" (7 1/2 MINUTE) QUADRANGLE MAP BY PLOTTING THE LAT/LONG. IT IS IN THE QUARTER SECTION LISTED ABOVE AT AN INTERSECTION OF UNNAMED FOREST ROADS. AS YOU TRAVEL NORTH ON THIS LOGGING ROAD, COME TO A DOUBLE FORK AND THE STATION IN THE CROUCH BETWEEN THE LEFT AND MIDDLE FORK.

THE STATION IS A 10 INCH SPIKE IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP".



EXPIRES 12/31/97

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1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 30 OF 38

GP 753

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 620A

QUARTER SECTION: SW

SEC.35 TWP.9S. RGE.8W

DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°14'23.69463" N

LONG: 123°29'41.48022" W

SP. COOR: NAD 83(91)

N: 223542.911 INT.FT

E: 7417365.246 INT.FT.

THETA: -2°07'26.075"

SCALE FACTOR: 1.000024827

ELEV: 819.519 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THIS STATION IS NORTH OF HWY 36 ALONG A LOGGING ROAD THAT TRAVERSES LAKE CREEK. AT THE SOUTH END OF THE LAKE TURN RIGHT AND CROSS BRIDGE AND THE STATION AT THE CENTER OF THE INTERSECTION OF A ROAD HEADING SOUTH JUST EAST OF THE BRIDGE.

THE STATION IS A 10 INCH SPIKE IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP".

STATION IS IN THE NORTHWEST CORNER OF THE "HORTON" 7 1/2 MIN. USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 621

QUARTER SECTION: NE

SEC.23 TWP.15S. RGE.6W
LANE COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°15'10.85896" N

LONG: 123°22'44.62641" W

SP. COOR: NAD 83(91)

N: 227213.148 INT.FT

E: 7447863.190 INT.FT.

THETA: -2°02'30.448"

SCALE FACTOR: 1.000021188

ELEV: 377.529 U.S.FT.

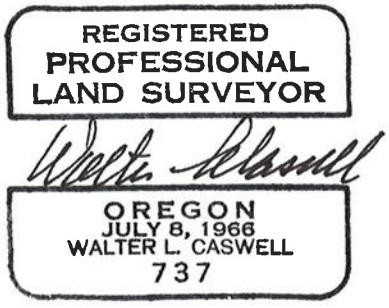
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": FROM JUNCTION CITY GO NORTH ON HWY 99W FOR 2 MILES TO FERGUSON ROAD. GO WEST 8.1 MILES TO GRIMES ROAD AND THE STATION IN THE CENTER OF THE INTERSECTION.

THE STATION IS A ROCK NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE.

STATION IS IN THE SOUTHEAST CORNER OF THE "GLENBROOK" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

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1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 32 OF 38

GP754

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: 622

QUARTER SECTION: SE

SEC.24 TWP.15S. RGE.4W
LINN COUNTY, OREGON
DATE SET: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°14'50.51039" N

LONG: 123°06'54.29839" W

SP. COOR: NAD 83(91)

N: 222802.074 INT.FT

E: 7516926.744 INT.FT.

THETA: -1°51'16.488"

SCALE FACTOR: 1.000022751

ELEV: 326.794 U.S.FT.

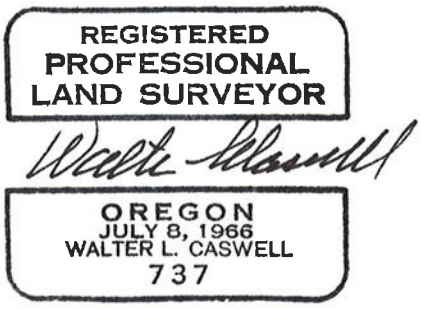
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": TO REACH THE STATION FROM HARRISBURG GO EAST ON TERRITORIAL ROAD FOR 2.3 MI TO POWERLINE RD INTERSECTION. TURN RIGHT AND GO SOUTH ON POWERLINE ROAD FOR 2.0 MI. TO A FIELD ACCESS ROAD ON THE LEFT AND THE STATION IN THE CENTERLINE/CENTERLINE OF THE INTERSECTION.

THE STATION IS A 2 1/2 INCH "PK" NAIL IN A 1 1/2 INCH ALUMINUM WASHER STAMPED "EAGLE GPS SURVEY CORP". THIS MONUMENT IS SET IN THE ASPHALT, FLUSH WITH THE SURFACE.

STATION IS IN THE NORTHWEST CORNER OF THE "COBURG" 7 1/2 MIN. USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

JOB 96-021
SHEET 33 OF 38

GP 755

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: HAMILTON

QUARTER SECTION: SE

SEC.19 TWP.11S. RGE.11W
LINCOLN COUNTY, OREGON

DATE FD.: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°36'05.83589" N

LONG: 124°03'53.89116" W

SP. COOR: NAD 83(91)

N: 361342.975 INT.FT

E: 7273885.605 INT.FT.

THETA: -2°31'41.616"

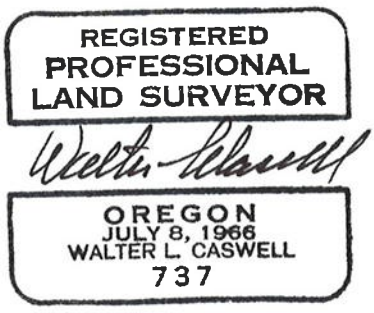
SCALE FACTOR: 0.999943237

ELEV: 17.060 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THE STATION IS ADEQUATELY DESCRIBED BY THE NGRS DESCRIPTION OF RECORD.
STATION IS ON THE "NEWPORT SOUTH" 7 1/2 MINUTE USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: PON

QUARTER SECTION: NW

SEC.22 TWP.16S. RGE.12W
LANE COUNTY, OREGON
DATE FD.: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°10'12.11445" N

LONG: 124°06'59.36918" W

SP. COOR: NAD 83(91)

N: 204755.582 INT.FT

E: 7253438.955 INT.FT.

THETA: -2°33'53.154"

SCALE FACTOR: 1.000045104

ELEV: 22.585 U.S.FT.
(26.56 U.S.FT.)
ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THE STATION IS ADEQUATELY DESCRIBED BY THE NGRS DESCRIPTION OF RECORD.
STATION IS ON THE "HECETA HEAD" 7 1/2 MINUTE USGS QUADRANGLE MAP.

EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)

HORIZONTAL CONTROL DATA

OREGON STATE PLANE, NORTH ZONE (3601)

****

STA. NAME: NESMITH

QUARTER SECTION: NW

SEC.31 TWP.7S. RGE.4W
POLK COUNTY, OREGON
DATE FD.: SEPT 26, 1996

SURVEYOR: WALTER L. CASWELL
PLS 737

FIRM: EAGLE GPS SURVEY CORP
6110 SW LOMBARD AVE.
BEAVERTON, OR. 97008-4736
(503) 643-1073

TYPE: GPS

ORDER: SECOND CLASS: 1

GEODETIC COOR: NAD 83(91)

LAT: 44°55'30.09361" N

LONG: 123°13'40.98113" W

SP. COOR: NAD 83(91)

N: 470689.409 INT.FT

E: 7495679.859 INT.FT.

THETA: -1°56'04.902"

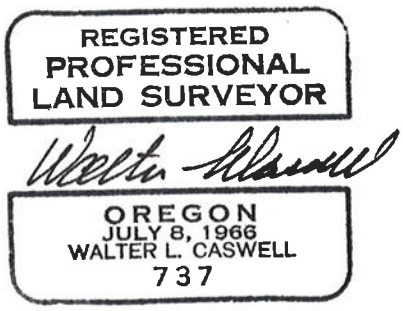
SCALE FACTOR: 0.999903584

ELEV: 206.397 U.S.FT.

ELEV. DATUM: NGVD 1929(1947)

****

DIRECTIONS "TO REACH": THE STATION IS ADEQUATELY DESCRIBED BY THE NGRS DESCRIPTION OF RECORD.
STATION IS ON THE "RICKREALL" 7 1/2 MINUTE USGS QUADRANGLE MAP.



EXPIRES 12/31/97

1 meter = 3.280833... U.S. Feet = 39.37 inches exactly
1 meter = 3.280839895 Intl. Feet or 1 inch = 2.54cm. exactly
To Calculate Elevation Factor (in the North American Continent)
Divide 20,906,000 by (20,906,000 + Ellipsoid Elev. in Feet)