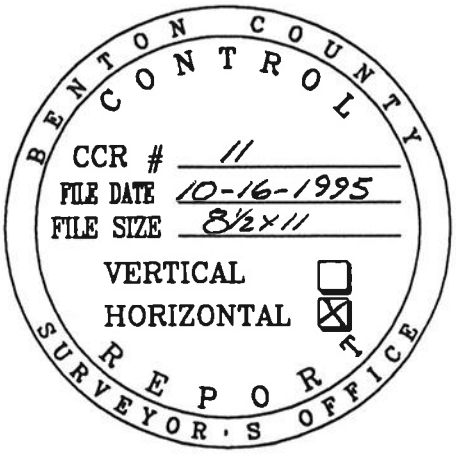
BENTON COUNTY
CONTROL
CCR # 11
FILE DATE 10-16-1995
FILE SIZE 8½x11
VERTICAL ☐
HORIZONTAL ☒
REPORT
SURVEYOR'S OFFICE

ORIGINAL

Oregon

DEPARTMENT OF
TRANSPORTATION

REGION 2

FILE CODE:

October 9, 1995

Ray Wilson
Deputy County Surveyor
Benton County
360 SW Avery Ave
Corvallis OR 97333

07106

RE: GPS Horizontal Control Data Sheets
Kiger Island - Bruce Rd

Enclosed please find the Horizontal Control Data Sheets for the geodetic control monuments; MANE 1994, KIGER 1994, MUDD 1994, BERRY 1994 AND GREEN 1994.

When accepted into your county please notify the me so I can refer to this data in the filing of a dependent survey.

Daniel E. Bissell
ODOT Region 2
2960 State St
Salem OR 97310

If you have any charges for the filing please reference the above names project with the account number of EA: C0021404/000/900 and send the bill to the Region 2 office.

If you have any questions, please call me at 986-2662.

Sincerely,

Daniel E. Bissell

Daniel E. Bissell, PLS
Region 2 Project Coordinator

enc
DEB/db

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PUBLIC WORKS
OCT 13 1995
SENT TO_____

2960 State Street SE
Salem, OR 97310
(503) 986-2600
FAX (503) 986-2630

OREGON DEPARTMENT OF TRANSPORTATION
PHOTOGRAMMETRY UNIT
Room 26, Transportation Building
355 Capitol St. NE
Salem, Oregon 97310-3154
Phone: 986-3539 *Fax: 986-3131*

HORIZONTAL CONTROL DATA SHEET

STATION NAME: BERRY 1994
SECTION: 9 **TOWNSHIP:** 13S **RANGE:** 5W
1/4 SECTION: NW **COUNTY:** BENTON
DATE SET: 12/19/94 **STATE:** OR

GPS: YES **TYPE:** STATIC
GROUP: C **ORDER:** 1
PPM: 10

GEODETIC DATUM: NAD 83/91
LAT.: N 44°27'23.17043"
LONG.: W 123°18'36.85552"

VERTICAL DATUM: NGVD 29/47
ELIPSOID ELEV: meters
ORTHOMETRIC ELEV: meters
SEPARATION: meters

SPCS DATUM: OREGON NORTH
NORTHING: 91651.128 meters
EASTING: 2276388.199 meters

CONVERGENCE: - 1°59'34.7300"
SCALE FACTOR: 0.99997172

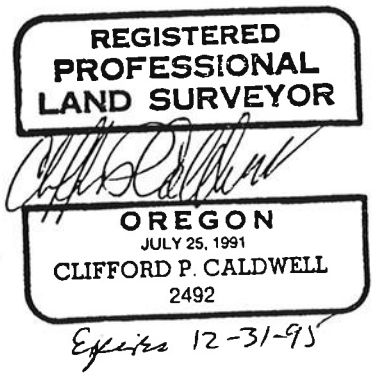
STATEMENT PER ORS 209.250(6) (g)
This survey was completed during December 1994 at the request and direction of Dan Bissell for the "Kiger Island Road - Bruce Road" project. Project was completed using three ASHTEK MDXII dual frequency GPS receivers. Oregon HPGN control stations; "E141, LANG and NESMITH" were the basis for processing this data. Data for this project is located in Control File 95-003 in the Photogrammetry Unit, Oregon Department of Transportation.

DIRECTIONS TO THE MONUMENT: From the intersection of 4th St. and Harrison St. in Corvallis drive south along 99W 7.83 miles to Greenberry Rd., then west on Greenberry Rd. 1.73 miles to Buchanan Rd and the mark on the left in the SE corner of the intersection.

MONUMENT TYPE: Brass disk set in concrete post.

STAMPING: BERRY 1994

DESCRIPTION OF THE MONUMENT: Mark is an ORDOT standard Geodetic Control Disk set in a 1'x1' concrete post with 5/8" iron rod imbedded, flush with the ground; 25 ft. east of Buchanan Rd, 47.5 ft. south of Greenberry Rd, 15.5 ft. south of telephone jct box, 23 ft north of telephone pole, 1.4 ft. west of witness post.



SURVEYOR'S STAMP

For conversion of meters to U.S. Survey Feet multiply the meters by 39.37/12.0 which is 3.28083333333 to 12 significant figures.
For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures.
Elevation Factor (in the North American Continent) = 1 - (Ellipsoid Elevation in meters / 6,372,000).

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HORIZONTAL CONTROL DATA SHEET

STATION NAME: GREEN 1994
SECTION: 10 **TOWNSHIP:** 13S **RANGE:** 5W
1/4 SECTION: NW **COUNTY:** BENTON
DATE SET: 12/19/94 **STATE:** OR

GPS: YES **TYPE:** STATIC
GROUP: C **ORDER:** 1
PPM: 10

GEODETIC DATUM: NAD 83/91
LAT.: N 44°27'19.30538"
LONG.: W 123°16'55.46403"

VERTICAL DATUM: NGVD 29/47
ELIPSOID ELEV: meters
ORTHOMETRIC ELEV: meters
SEPARATION: meters

SPCS DATUM: OREGON NORTH
NORTHING: 91454.337 meters
EASTING: 2278624.247 meters

CONVERGENCE: - 1°58'22.8300"
SCALE FACTOR: 0.99997150

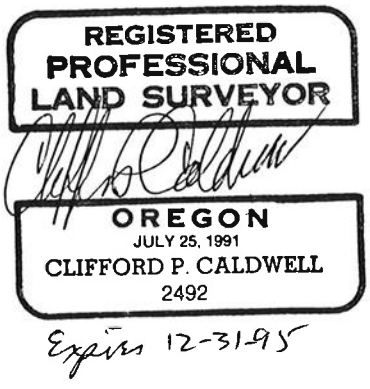
STATEMENT PER ORS 209.250(6) (g)
This survey was completed during December 1994 at the request and direction of Dan Bissell for the "Kiger Island Road - Bruce Road" project. Project was completed using three ASHTEK MDXII dual frequency GPS receivers. Oregon HPGN control stations; "E141, LANG and NESMITH" were the basis for processing this data. Data for this project is located in Control File 95-003 in the Photogrammetry Unit, Oregon Department of Transportation.

DIRECTIONS TO THE MONUMENT: From the intersection of 4th St. and Harrison St. in Corvallis, drive south along 99W 7.83 miles to Greenberry Rd., then west on Greenberry Rd. 0.34 miles to mark on the north side of the road near driveway.

MONUMENT TYPE: Brass disk set in concrete post.

STAMPING: GREEN 1994

DESCRIPTION OF THE MONUMENT: Mark is an ORDOT standard Geodetic Control Disk set in a 1'x1' concrete post with 5/8" iron rod imbedded, flush with the ground; 91 ft. east of railroad tracks; 29 ft. north of center line of Greenberry Rd.; 28.2 ft. east of power pole #105501 and 1.9 ft. south of witness post.



SURVEYOR'S STAMP

For conversion of meters to U.S. Survey Feet multiply the meters by 39.37/12.0 which is 3.28083333333 to 12 significant figures.
For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures.
Elevation Factor (in the North American Continent) = 1 - (Ellipsoid Elevation in meters / 6,372,000).

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HORIZONTAL CONTROL DATA SHEET

STATION NAME: KIGER 1994
SECTION: 14 **TOWNSHIP:** 12S **RANGE:** 5W
1/4 SECTION: SW **COUNTY:** BENTON
DATE SET: 12/15/94 **STATE:** OR

GPS: YES **TYPE:** STATIC
GROUP: C **ORDER:** 1
PPM: 10

GEODETIC DATUM: NAD 83/91
LAT.: N 44°31'33.08335"
LONG.: W 123°16'5.41833"

VERTICAL DATUM: NGVD 29/47
ELIPSOID ELEV: meters
ORTHOMETRIC ELEV: meters
SEPARATION: meters

SPCS DATUM: OREGON NORTH
NORTHING: 99244.871 meters
EASTING: 2279998.330 meters

CONVERGENCE: - 1°57'47.3400"
SCALE FACTOR: 0.99995708

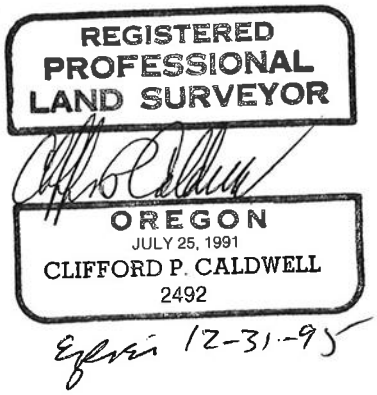
STATEMENT PER ORS 209.250(6) (g)
This survey was completed during December, 1994 at the request and direction of Dan Bissell for the "Kiger Island Road - Bruce Road" project. Project was completed using three ASHTEK MD XII, dual frequency GPS receivers. Oregon HPGN control stations; "E 141, LANG and NESMITH" were the basis for processing this data. Data for this project is located in Control File 95-003 in the Photogrammetry Unit, Oregon Department of Transportation.

DIRECTIONS TO THE MONUMENT: From the intersection of 4th St and Harrison St in Corvallis, drive south along 99W 2.95 miles to the mark on the west side of the highway at the intersection of Kiger Island Road and 99W at MP 86.22.

MONUMENT TYPE: Brass Disk set in concrete post

STAMPING: KIGER 1994

DESCRIPTION OF THE MONUMENT: Mark is an ORDOT standard Geodetic Control Disk set in a 1'x1' concrete post with 5/8" iron rod imbedded, 0.3 ft. below surface of ground; 7.85 ft. west of west curb; 6.15 ft. north of north gate post; 54.7 ft. south of light pole #141400; 3.75 ft. south of witness post.



SURVEYOR'S STAMP

For conversion of meters to U.S. Survey Feet multiply the meters by 39.37/12.0 which is 3.28083333333 to 12 significant figures.
For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures.
Elevation Factor (in the North American Continent) = 1 - (Ellipsoid Elevation in meters / 6,372,000).

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HORIZONTAL CONTROL DATA SHEET

STATION NAME: MANE 1994
SECTION: 22 **TOWNSHIP:** 12S **RANGE:** 5W
1/4 SECTION: SW **COUNTY:** BENTON
DATE SET: 12/19/94 **STATE:** OR

GPS: YES **TYPE:** STATIC
GROUP: C **ORDER:** 1
PPM: 10

GEODETIC DATUM: NAD 83/91
LAT.: N 44°30'28.24514"
LONG.: W 123°17'08.15587"

VERTICAL DATUM: NGVD 29/47
ELIPSOID ELEV: meters
ORTHOMETRIC ELEV: meters
SEPARATION: meters

SPCS DATUM: OREGON NORTH
NORTHING: 97292.366 meters
EASTING: 2278544.862 meters

CONVERGENCE: - 1°58'31.8300"
SCALE FACTOR: 0.99996062

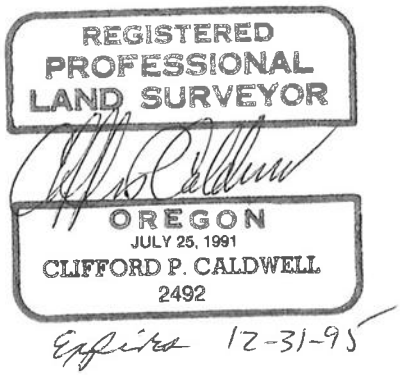
STATEMENT PER ORS 209.250(6) (g)
This survey was completed during December 1994 at the request and direction of Dan Bissell for the "Kiger Island Road - Bruce Road" project. Project was completed using three ASHTEK MDXII dual frequency GPS receivers. Oregon HPGN control stations; "E141, LANG and NESMITH" were the basis for processing this data. Data for this project is located in Control File 95-003 in the Photogrammetry Unit, Oregon Department of Transportation.

DIRECTIONS TO THE MONUMENT: From the intersection of 4th St and Harrison St. in Corvallis, drive south along 99W 4.19 miles to Airport Road, then west 0.78 miles on Airport Rd. to mark on south side of the road in the SW quarter of intersection of Airport Rd and the road to hangers.

MONUMENT TYPE: Brass disk set in concrete post.

STAMPING: MANE 1994

DESCRIPTION OF THE MONUMENT: Mark is an ORDOT standard Geodetic Control Disk set in a 1'x1' concrete post with 5/8" iron rod imbedded, 0.1 ft. below surface of ground; 43 ft. south of center line of Airport Rd.; 86 ft west of road to hangers; 40 ft. SE of telephone jct. box; 33 ft. NW of power pole; 1.9 ft. north of witness post.



SURVEYOR'S STAMP

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For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures.
Elevation Factor (in the North American Continent) = 1 - (Ellipsoid Elevation in meters / 6,372,000).

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HORIZONTAL CONTROL DATA SHEET

STATION NAME: MUDD 1994
SECTION: 4 **TOWNSHIP:** 14S **RANGE:** 5W
1/4 SECTION: SE **COUNTY:** BENTON
DATE SET: 12/19/94 **STATE:** OR

GPS: YES **TYPE:** STATIC
GROUP: C **ORDER:** 1
PPM: 10

GEODETIC DATUM: NAD 83/91
LAT.: N 44°22'38.48154"
LONG.: W 123°17'48.96815"

VERTICAL DATUM: NGVD 29/47
ELIPSOID ELEV: meters
ORTHOMETRIC ELEV: meters
SEPARATION: meters

SPCS DATUM: OREGON NORTH
NORTHING: 82832.411 meters
EASTING: 2277142.076 meters

CONVERGENCE: - 1°59'0.7700"
SCALE FACTOR: 0.99998921

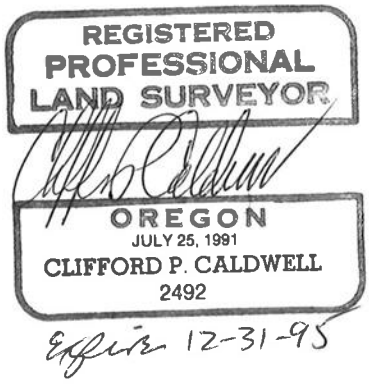
STATEMENT PER ORS 209.250(6) (g)
This survey was completed during December 1994 at the request and direction of Dan Bissell for the "Kiger Island Road - Bruce Road" project. Project was completed using three ASHTEK MDXII dual frequency GPS receivers. Oregon HPGN control stations; "E141, LANG and NESMITH" were the basis for processing this data. Data for this project is located in Control File 95-003 in the Photogrammetry Unit, Oregon Department of Transportation.

DIRECTIONS TO THE MONUMENT: From the intersection of 4th St and Harrison St. in Corvallis, drive south along 99W 13.28 miles to McFarland Road then west on McFarland Rd 0.42 miles to mark on the north side of the road.

MONUMENT TYPE: Brass disk set in concrete post.

STAMPING: MUDD 1994

DESCRIPTION OF THE MONUMENT: Mark is an ORDOT standard Geodetic Control Disk set in a 1'x1' concrete post with 5/8" iron rod imbedded, flush with the ground; 8 ft. north of the center of north ditch; 22 ft. north of approx center line of gravel road; 81.4 ft. NE of power pole #047101; 147.7 ft. east of White Nat. Refuge sign; 2.1 ft. west of witness post.



SURVEYOR'S STAMP

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For conversion of meters to International Feet multiply the meters by 100.0/30.48 which is 3.28083989501 to 12 significant figures.
Elevation Factor (in the North American Continent) = 1 - (Ellipsoid Elevation in meters / 6,372,000).