



# JACKSON COUNTY

Oregon

## Surveyors Office

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County Surveyor

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### SURVEY NARRATIVE to comply with ORS 209.250

Survey for: Jackson County Surveyors Office  
10 S. Oakdale Ave. Rm. 318a  
Medford, OR 97501

Survey by: Jackson County Surveyors Office  
10 S. Oakdale Ave. Rm. 318a  
Medford, OR 97501

Location: Section 23, T37S R2W , W.M., Jackson County, Oregon

Date: March 20, 2002

Purpose: To establish one Geodetic Control Station in the vicinity of destroyed Geodetic Control Station "ROSS" that was part of the 1992 contracted Jackson County Geodetic Control Network.

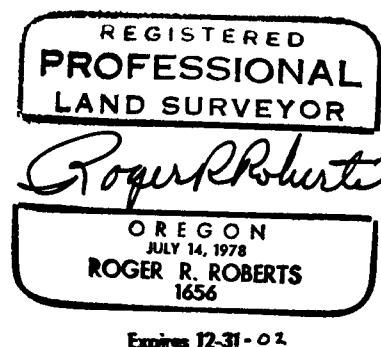
Procedure: Using two Leica System 200 GPS receivers in static mode, observations were conducted during the period of March 12-19, 2002. N.G.S. Horizontal Control Stations "JUSTICE" and "AGATE DAM RP 1 1" as well as 1992 Jackson County Geodetic Control Network Station 144 were used for control. All baselines were observed at least twice and processed with SkiPro 2.0, with the final weighted constrained least squares adjustment of the network being performed in the Adjustment Module of the SkiPro 2.0 software.

It is expected that the newly established station, identified as HOHO, will meet the 1 Centimeter Horizontal and 5 Centimeter Vertical Accuracy Standard, at the 95% Confidence Level, as defined in the Federal Geographic Data Committee publication Geospatial Positioning Accuracy Standards Part 2: Standards for Geodetic Networks dated 1998. This would be consistent with the accuracy of the 1992 network used for control. It should be noted that Geoid 99 was used for the vertical component of this project as opposed to Geoid 90 in the original network.

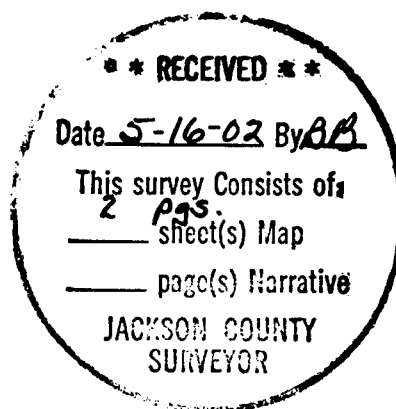
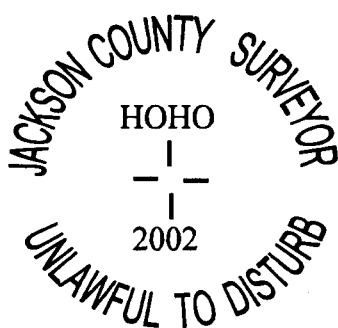
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**GPS CONTROL  
OREGON STATE PLANE NAD83(91) SOUTH ZONE  
INTERNATIONAL FEET**

STATION NAME	HOHO
NORTHING	254941.628
EASTING	4272275.571
LATITUDE	42° 20' 26.383192" N
LONGITUDE	122° 54' 02.626243" W
ELEVATION(GPS NAVD88)	1349.972
ELLIPSOID HGT.(GEOID99)	1270.661
SCALE FACTOR	0.99999816
ELEV. FACTOR	0.99993927
COMBINED FACTOR	0.99993743
CONVERGENCE	- 1' 38' 32.830"



Description: The station is a 2½ ins. diam. brass cap on a 1 x 30 ins. flanged galvanized iron pipe set flush with the Southerly shoulder of Rossanley Dr. in a 12 x 20 ins concrete post. The cap is marked:



The station is located alongside the easterly wingwall at the northeast corner of a concrete box culvert under Rossanley Dr. approximately 400 ft. West of the intersection with Ross Lane North.