

SURVEY NARRATIVE

This survey was performed at the request of the City of Haines, Oregon, for the purpose of partially subdividing Section 33, T. 7 S., R. 38 E., W.M., and to monument the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of said Section 33. Also, a 3-acre and 5-acre parcel were monumented in the North-west corner of the said SE $\frac{1}{4}$ SE $\frac{1}{4}$ to be utilized for a proposed hydroelectric generating facility.

DISCUSSION

The South line of Sections 31, 32 and 33, T. 7 S., R. 38 E., W.M., was resurveyed by Dale T. Bedell, cadastral surveyor for the U. S. Department of the Interior, Bureau of Land Management, in 1978. The filed record of that survey indicates the South line of Section 33 and the South line of the SE $\frac{1}{4}$ Section 32 was reestablished by single proportionate measurement and that the corner to Sections 4, 5, 32 and 33, the E1/16 corner between Sections 32 and 5, and the quarter-section corner between Sections 32 and 5 were remonumented during the course of that survey. No monument was recovered for the corner to Sections 4, 5, 32 and 33 and therefore that position, and the position of the quarter-section corner between Sections 4 and 33, were reestablished mathematically by survey. No monuments were established for these positions to date.

In retracing the South line of Section 33 and the E $\frac{1}{2}$ of the South line of Section 32 between found monuments established from existing accessory evidence, it was found that the E1/16 corner between Section 5 and 32 is 1.42 feet South and 0.37 feet West of the recalculated true position. The remaining corners necessary for the proper subdivision of Section 33 were found or reestablished as shown on this plat.

GENERAL

Instruments used:

KERN DKM2-AEB 1-second theodolite.
Hewlett-Packard 3805A electronic distance meter

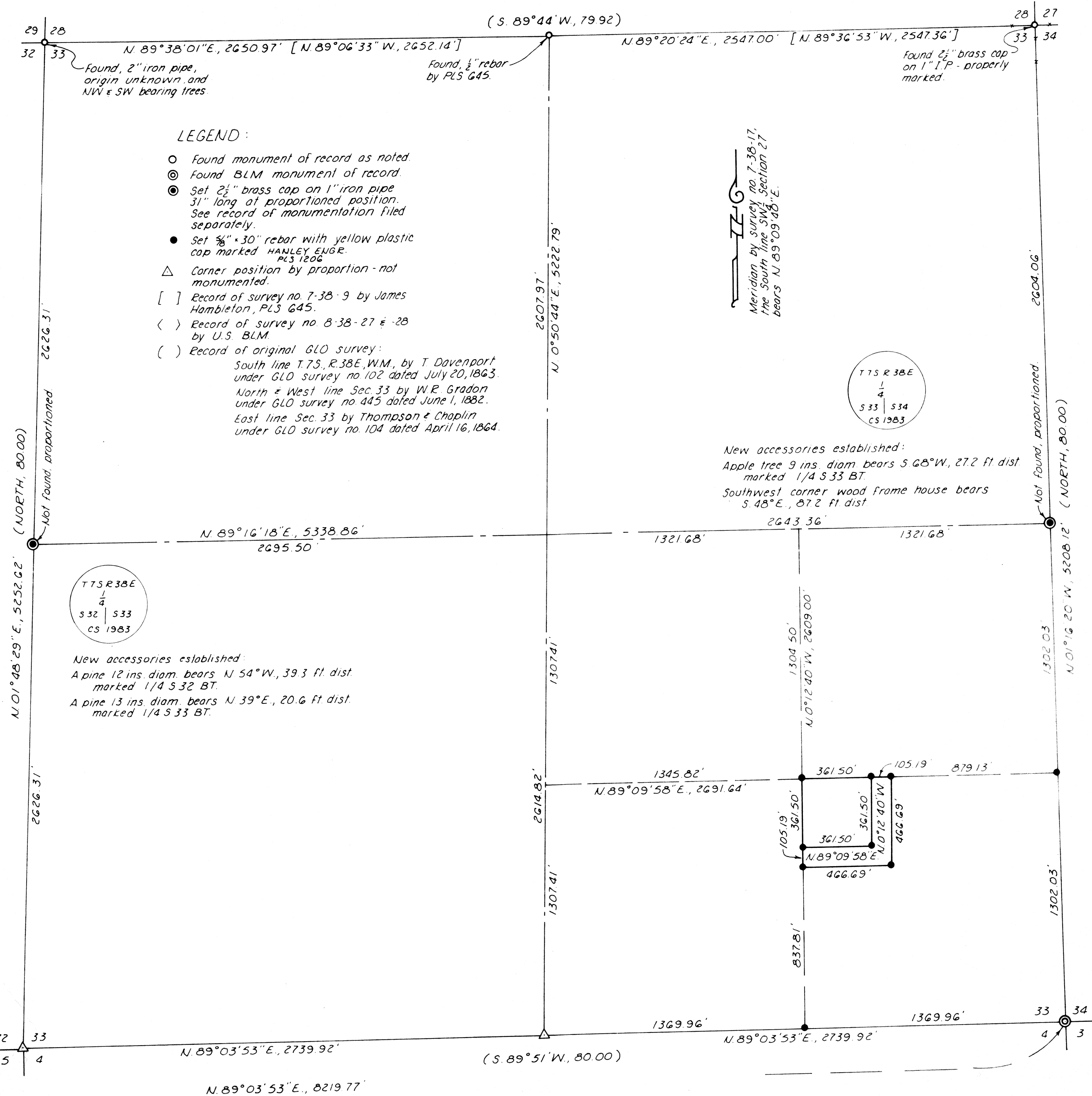
Survey crew personnel:

Thomas J. Hanley, PE 9659, PLS 1817
William L. Hanley, PLS 1639
Brad Gordon, Instrumentman
Tom Fisk, Survey helper
Jim DeMastus, Survey helper

Thomas J. Hanley

LEGEND:

- Found monument of record as noted
- ⊙ Found BLM monument of record
- Set 2 $\frac{1}{2}$ " brass cap on 1" iron pipe 31" long at proportioned position. See record of monumentation filed separately.
- Set $\frac{3}{8}$ " x 30" rebar with yellow plastic cap marked HANLEY ENGR. PLS 1206
- △ Corner position by proportion - not monumented.
- [] Record of survey no. 7-38-9 by James Hambleton, PLS 645.
- < > Record of survey no. 8-38-27 & 28 by U.S. BLM
- () Record of original GLO survey:
South line T.7S., R.38E., W.M., by T. Davenport under GLO survey no. 102 dated July 20, 1863.
North & West line Sec. 33 by W.R. Graddon under GLO survey no. 445 dated June 1, 1882.
East line Sec. 33 by Thompson & Chaplin under GLO survey no. 104 dated April 16, 1864.



RECORD OF SURVEY PLAT

SPENCE-YOUNG / ROCK CREEK HYDRO PROJECT

SUBDIVISION OF THE SE $\frac{1}{4}$ SECTION 33, T. 7 S., R. 38 E., W.M.

Surveyed August 22 thru 30,
and Sept. 23, 1983

Scale 1"=400'

For City of Haines, Oregon

Nov. 22, 1983

7-38-22