## 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\(\frac{1}{2}\)SE\(\frac{1}{2}\) of said Section 33. Also, a 3-acre and 5-acre parcel were monumented in the Northwest corner of the said SE\(\frac{1}{2}\)SE\(\frac{1}{2}\) 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% 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 quartersection 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

In retracing the South line of Section 33 and the E½ of the South line of Section 32 between found monuments established from existing accessory evidence, it was found that the El/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

COP marked HANLEY ENGR. 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. B.L.M. ( ) Record of original GLO survey: South line T.75, R.38E, W.M., by T. Dovenport under GLO survey no 102 dated July 20, 1863. T 7 S R 38E North & West line Sec. 33 by W.R. Gradon under GLO survey no 445 dated June 1, 1882. 5 33 | 5 34 East line Sec. 33 by Thompson & Chaplin CS 1983 under GLO survey no. 104 dated April 16, 1864. New accessories established: Apple tree 9 ins. diam. bears 5.68°W., 27.2 ft. dist. marked 1/4 \$ 33 BT. Southwest corner wood frome house bears 5.48° E., 87.2 Ft. dist. 2643.36 N. 89° 16' 18"E., 5338.86" 1321.68 1321.68 2695.50 T 75 R 38 E 30 532 533 cs 1983 New accessories established A pine 12 ins. diam. bears N. 54°W., 39.3 ft. dist. marked 1/4 5 32 BT. A pine 13 ins. diam. bears N. 39°E., 20.6 ft. dist. marked 1/4 5 33 BT. -105.19 879 13 361.50 1345.82' N.89°09'58"E., 2691.64" 1.89°09'58'i 33 1369.96 1369.96 N.89°03'53"E., 2739.92 N.89°03'53"E., 2739.92" (S.89°51'W.,80.00)

(5.89°44'W.,79.92)

Found, & rebor.

by PLS 645.

N.89°20'24"E., 2547.00' [N.89°36'53"W, 2547.36']

found Z: brass cap on I"I.P. - properly

morked.

(s.89°51'W.,40.00)

T. 75., R. 38 E., W.M. N. 89°07'26" E., 1369.57 (5.89°01'W, 20.76) 0 N. 89°03'53" E., 2739.92"

N.89°03′53″E., 8219.77″

N. 89°38'01"E., 2650.97' [N. 89°06'33" W., 2652.14']

O Found monument of record as noted.

© Found BLM monument of record.

• Set 2 " bross cap on I" iron pipe 31" long at proportioned position.

See record of monumentation filed

• Set %" \* 30" rebar with yellow plastic

32 33

-found, 2" iron pipe,

origin unknown and NW & SW bearing trees

LEGEND

separately.

RECORD OF SURVEY PLAT

SPENCE-YOUNG / ROCK CREEK HYDRO PROJECT

SUBDIVISION OF THE SE% SECTION 33, T.7 S., R.38 E., W.M.

Scale 1''=400'

and Sept. 23, 1983

For City of Haines, Oregon

Surveyed August 22 thru 30,

Nov. 22, 1983

7-38-22