

SURVEY OF

The Powerdale Hydroelectric Project Boundary
 in Sections 1, 11 and 12 in Township 2 North,
 Range 10 East and Section 36 in Township 3 North,
 Range 10 East of the Willamette Meridian, in
 Hood River County, Oregon

Date of Survey:

November 1994 thru October 1995

Purpose of Survey and Narrative:

The purpose of this survey was to retrace the boundaries of the Powerdale Hydroelectric Project in Sections 1, 11 and 12 in Township 2 North, Range 10 East and Section 36 in Township 3 North, Range 10 East of the Willamette Meridian, in Hood River County, Oregon.

Topographic features were determined photogrammetrically with limited field verification.

Basis of Bearing:

The basis of bearing for this survey is the Oregon Coordinate System, North Zone utilizing a GPS network from National Geodetic Survey Control Stations "Last" and "Ponder 2".

Method of Survey:

This survey was executed with a Wild T1600 and a Wild DI-5 EDM using Field Survey Traverse methods.

AUDITOR'S CERTIFICATE

FILED FOR RECORD THIS _____ DAY OF _____
 1995, AT _____ M. IN BOOK _____ OF SURVEYS AT PAGE
 _____ AT THE REQUEST OF PACIFICORP.

 HOOD COUNTY AUDITOR

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME
 OR UNDER MY DIRECTION IN CONFORMANCE WITH THE
 SURVEY RECORDING ACT AND AT THE REQUEST OF
 PACIFICORP. THIS 26th DAY OF October, 1995.

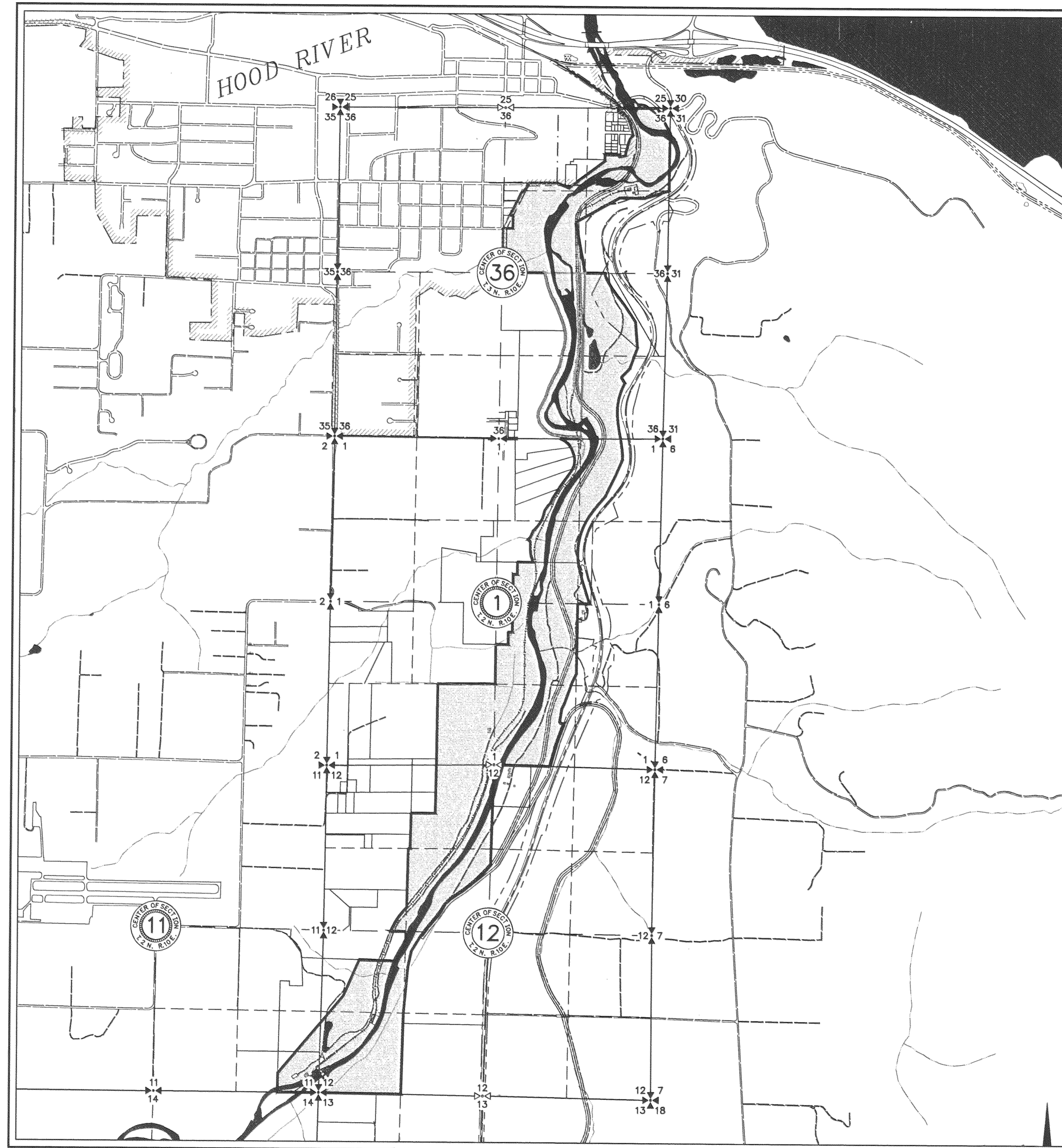
Mark R. Heidecke L.S. No. 2132
 Mark R. Heidecke
 Registered Land Surveyor

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Mark R. Heidecke

OREGON
 MARK R. HEIDECKE
 2132

EXPIRES 6/30/97



LEGEND

- Found Monument as Noted
- Calculated Point on PacifiCorp Boundary
- () Denotes Bearing/Distance as listed on Sheet 5 of 5
- 7000 Denotes Monument as listed on Sheet 5 of 5
- HR-1 PacifiCorp (HR) Hood River Plat Co.
- ▶◀ Found Quarter Corner as Noted
- ▷◁ Calculated Quarter Corner
- ✦ Found Section Corner as Noted
- ⊙ Found Center of Section as Noted
- ⊙ Calculated Center of Section

FILED

NOV 7, 1995
Richard S. Swell
 COUNTY SURVEYOR

GERA

G. E. Raleigh and Associates, Inc.

CONSULTANTS

Surveying • Right-of-Way • Engineering

4540 S.W. 110th Avenue Mail: P.O. Box 28847
 Beaverton, OR 97003-3811 Portland, OR 97225-0247
 Telephone (503) 628-6808 Facsimile (503) 628-2494

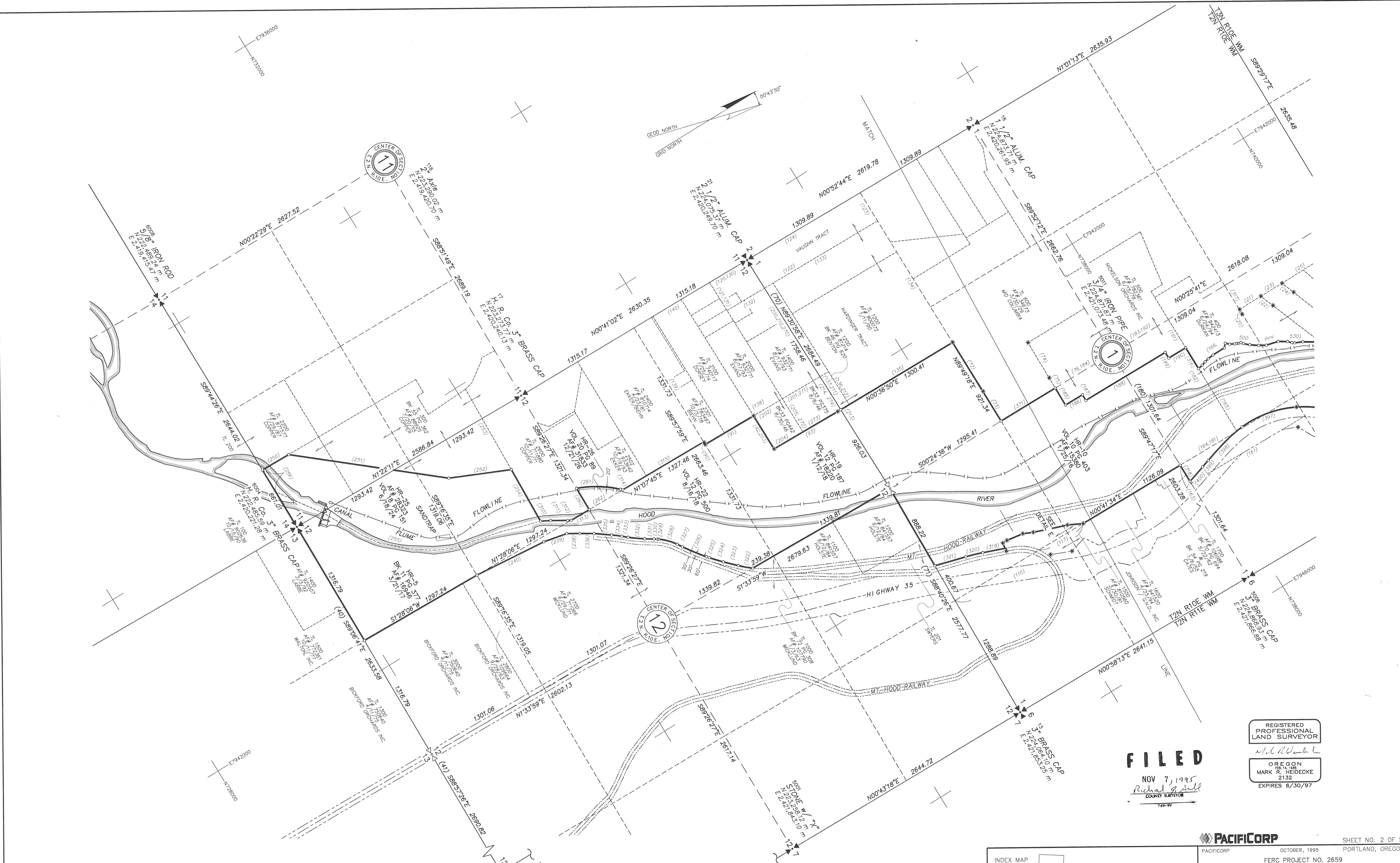
PACIFICORP

PACIFICORP OCTOBER, 1995 SHEET NO. 1 OF 5
 PORTLAND, OREGON

FERC PROJECT NO. 2659

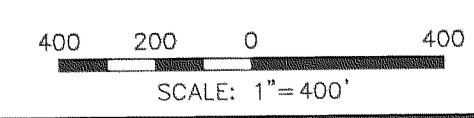
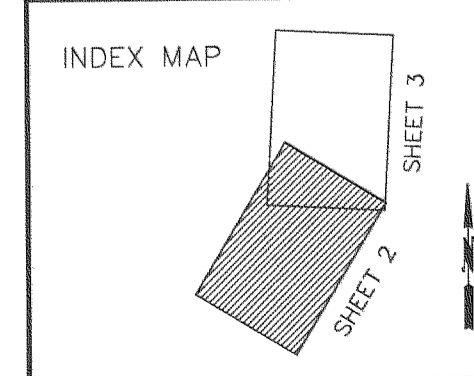
HOOD RIVER COUNTY, OREGON

POWERDALE HYDROELECTRIC PROJECT



GERA
 C. E. Raleigh and Associates, Inc.
 CONSULTANTS
 Surveying • Right-of-Way • Engineering
 4540 S.W. 110th Avenue Mail: P.O. Box 29247
 Beaverton, OR 97005-3011 Portland, OR 97225-5247
 Telephone (503) 628-8888 Facsimile (503) 628-2494

NOTE
 BEARINGS, DISTANCES (LINEAR UNIT: SI FOOT)
 AND COORDINATES (METERS) REFERRED TO
 OREGON COORDINATE SYSTEM (NAD 83) NORTH ZONE
 TO CONVERT DISTANCES SHOWN TO GRID
 MULTIPLY BY 0.999908272



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OREGON
 REG. NO. 1418
 MARK R. HEIDECKE
 2132
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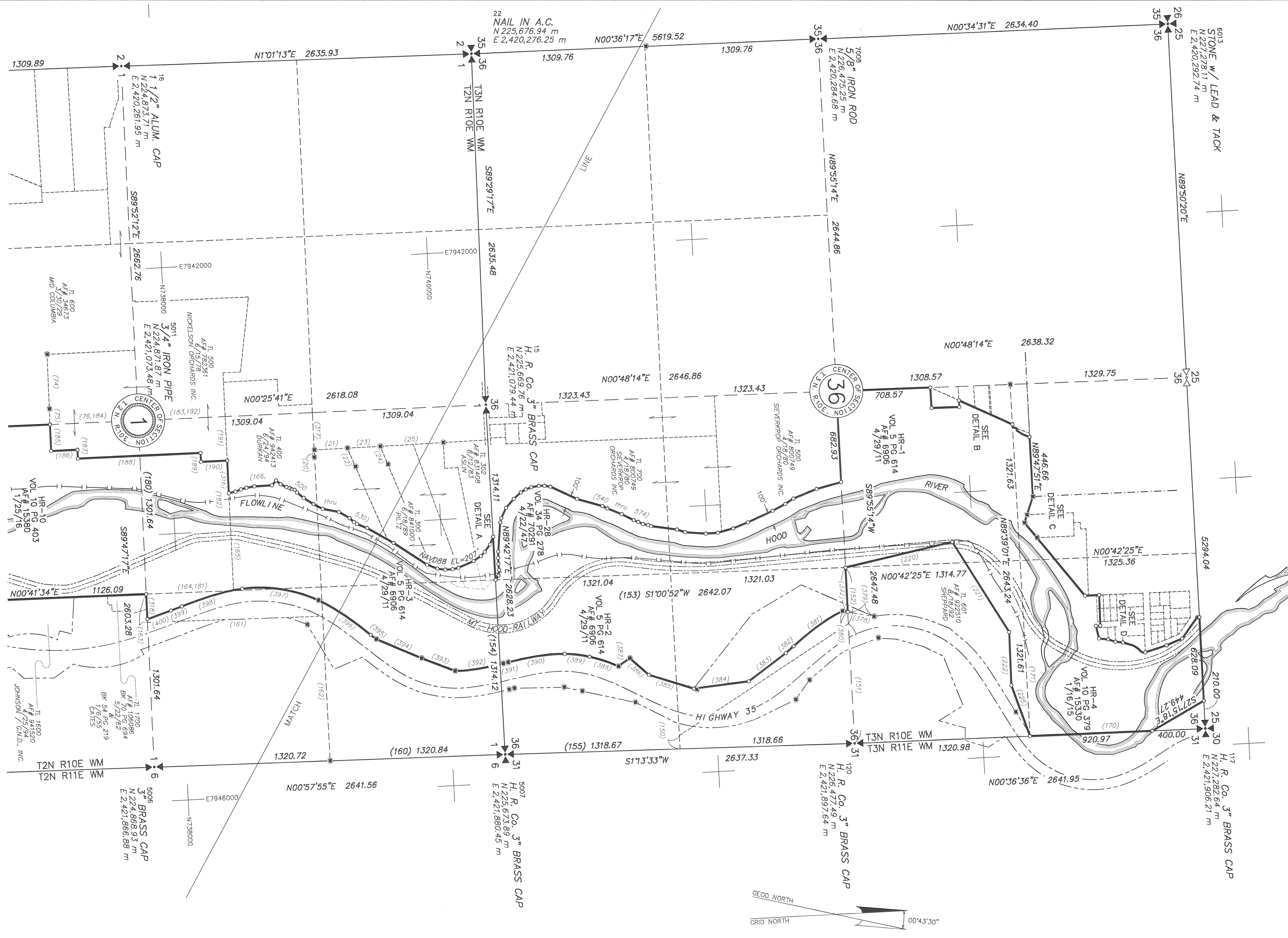
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NOV 7, 1995
 Richard G. Smith
 COUNTY SURVEYOR

PACIFICORP
 OCTOBER, 1995 PORTLAND, OREGON
 FERC PROJECT NO. 2659
 HOOD RIVER COUNTY, OREGON
POWERDALE HYDROELECTRIC PROJECT

SHEET NO. 2 OF 5

95111

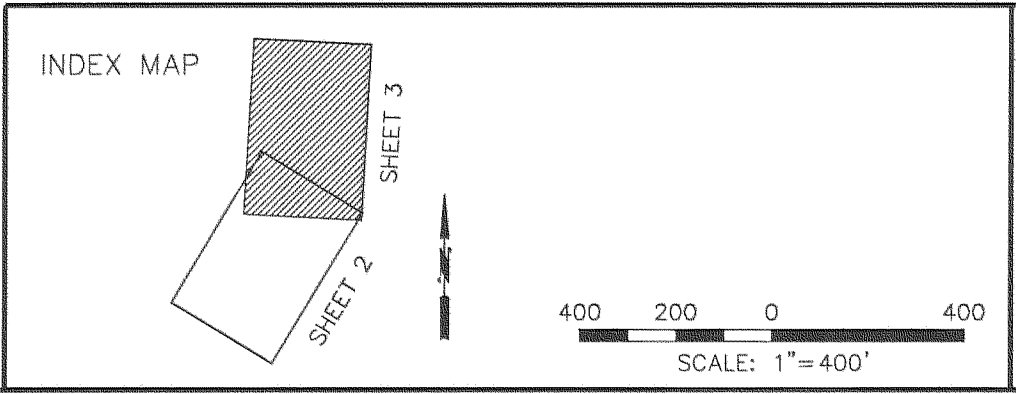


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 OREGON
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GERA
 C. E. Raleigh and Associates, Inc.
 CONSULTANTS
 Surveying • Right-of-Way • Engineering
 4540 S.W. 110th Avenue, Mail: P.O. Box 25247
 Beaverton, OR 97005-3011, Portland, OR 97225-0247
 Telephone (503) 628-6656 Facsimile (503) 628-2484

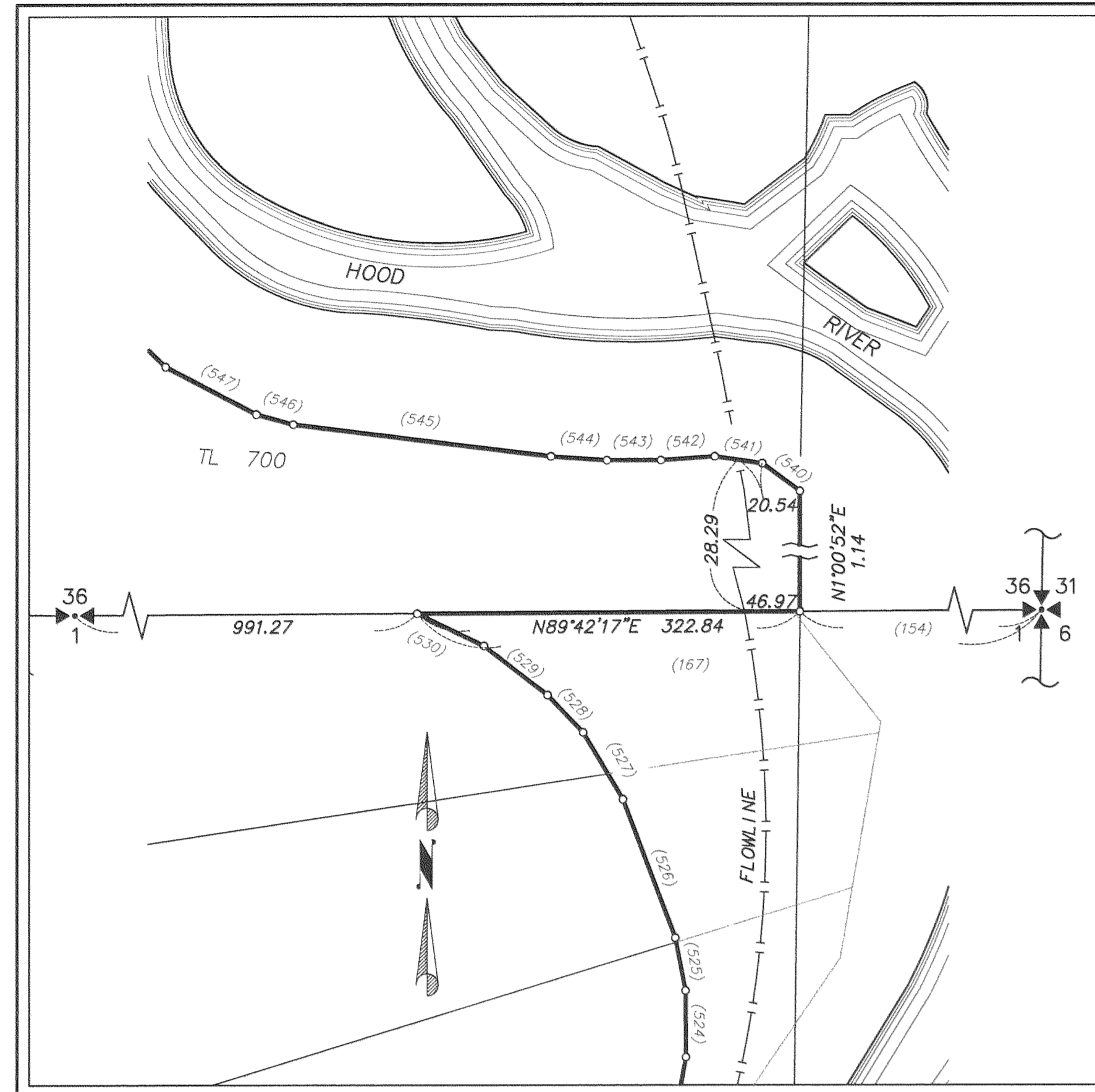
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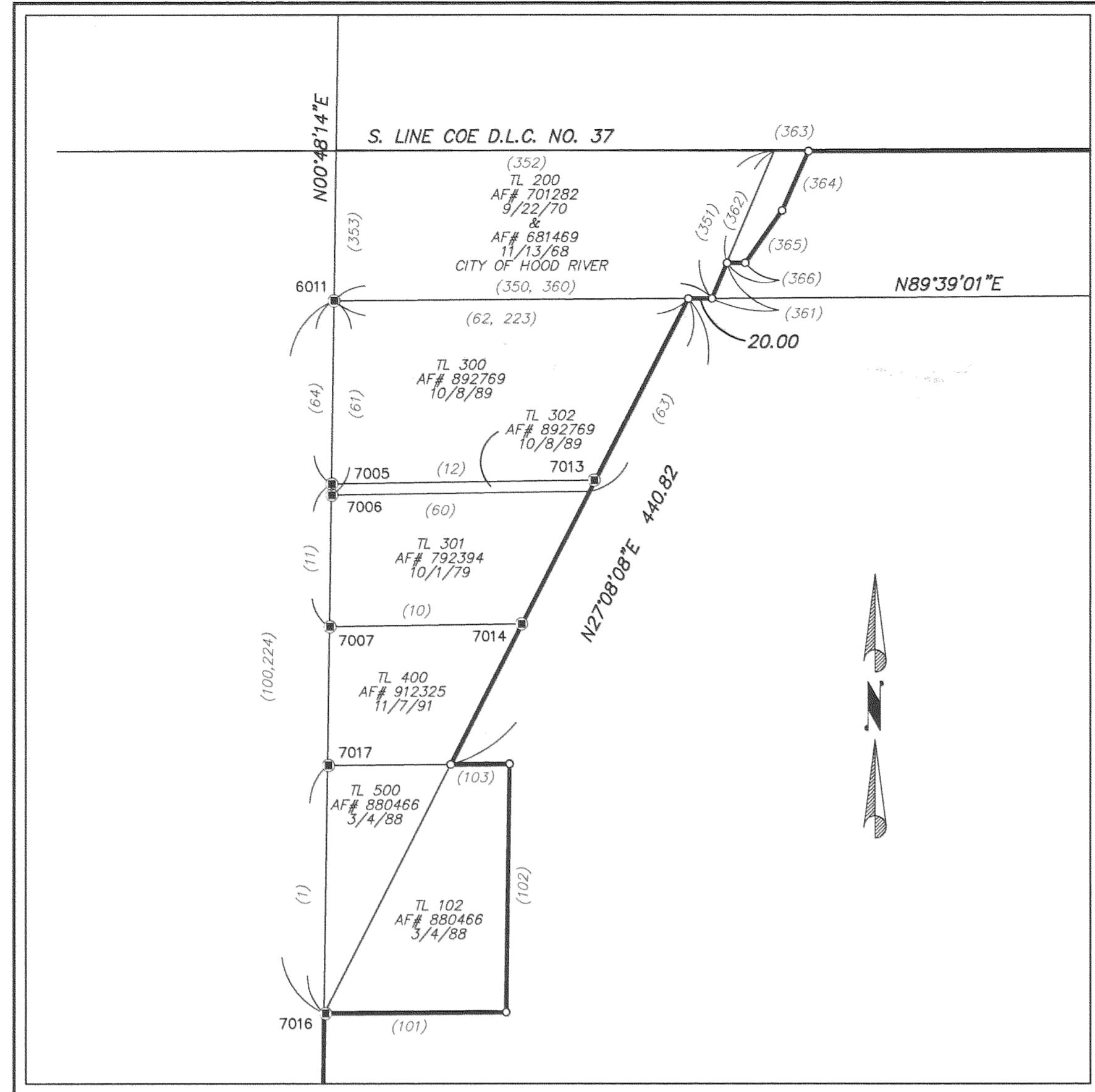
PACIFICORP
 PACIFICORP OCTOBER, 1995 SHEET NO. 3 OF 5
 PORTLAND, OREGON
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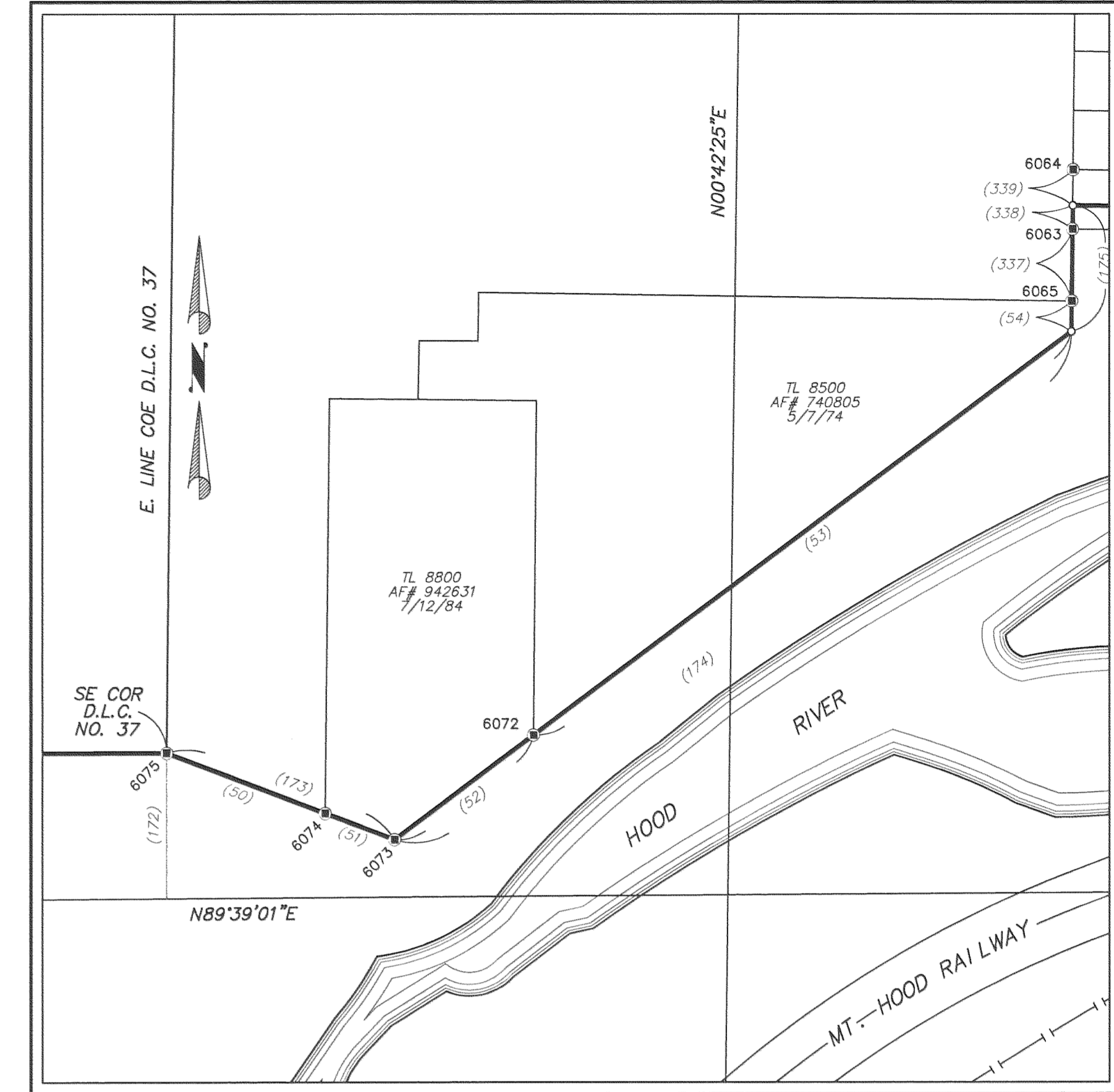
DETAIL A



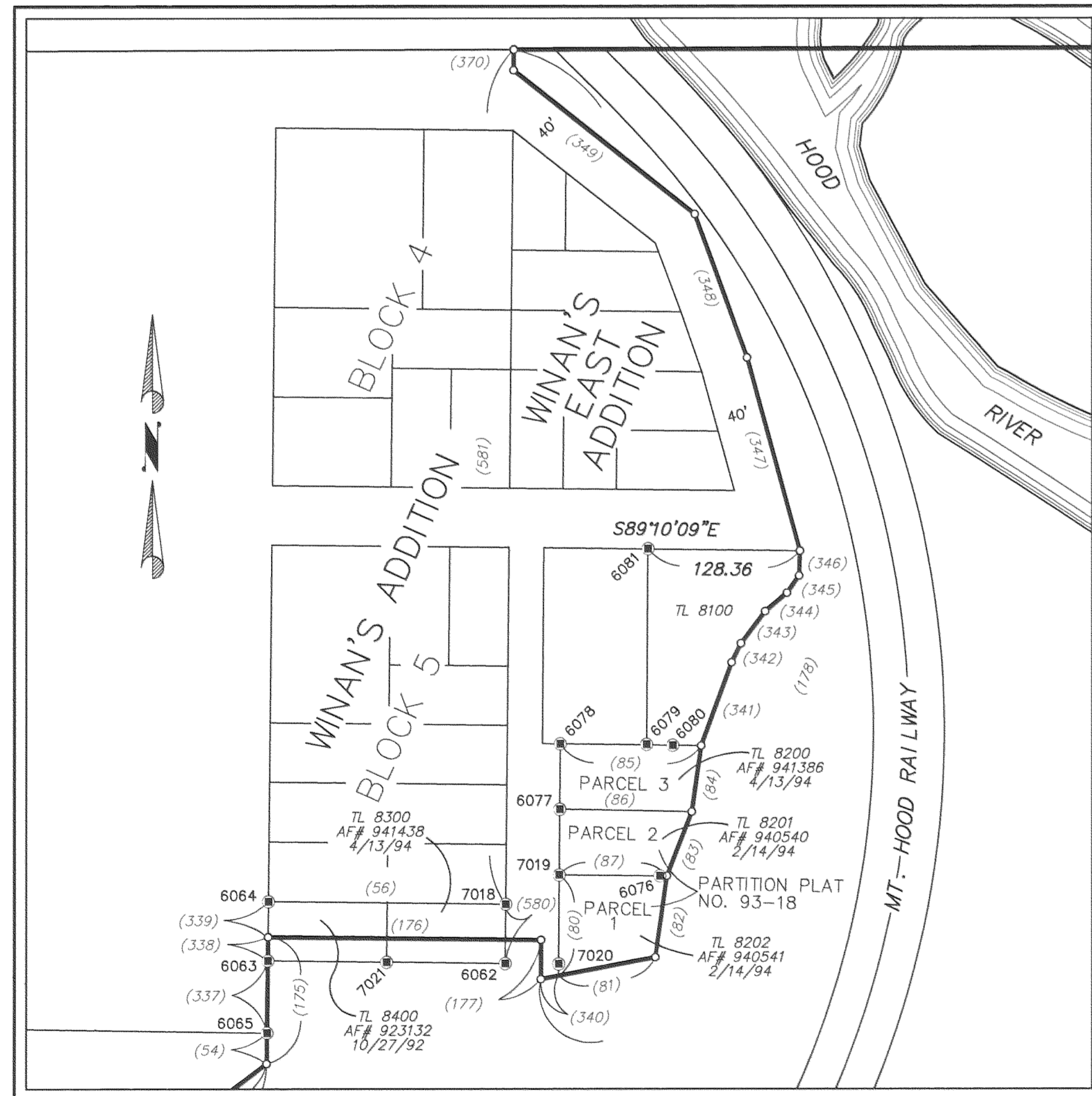
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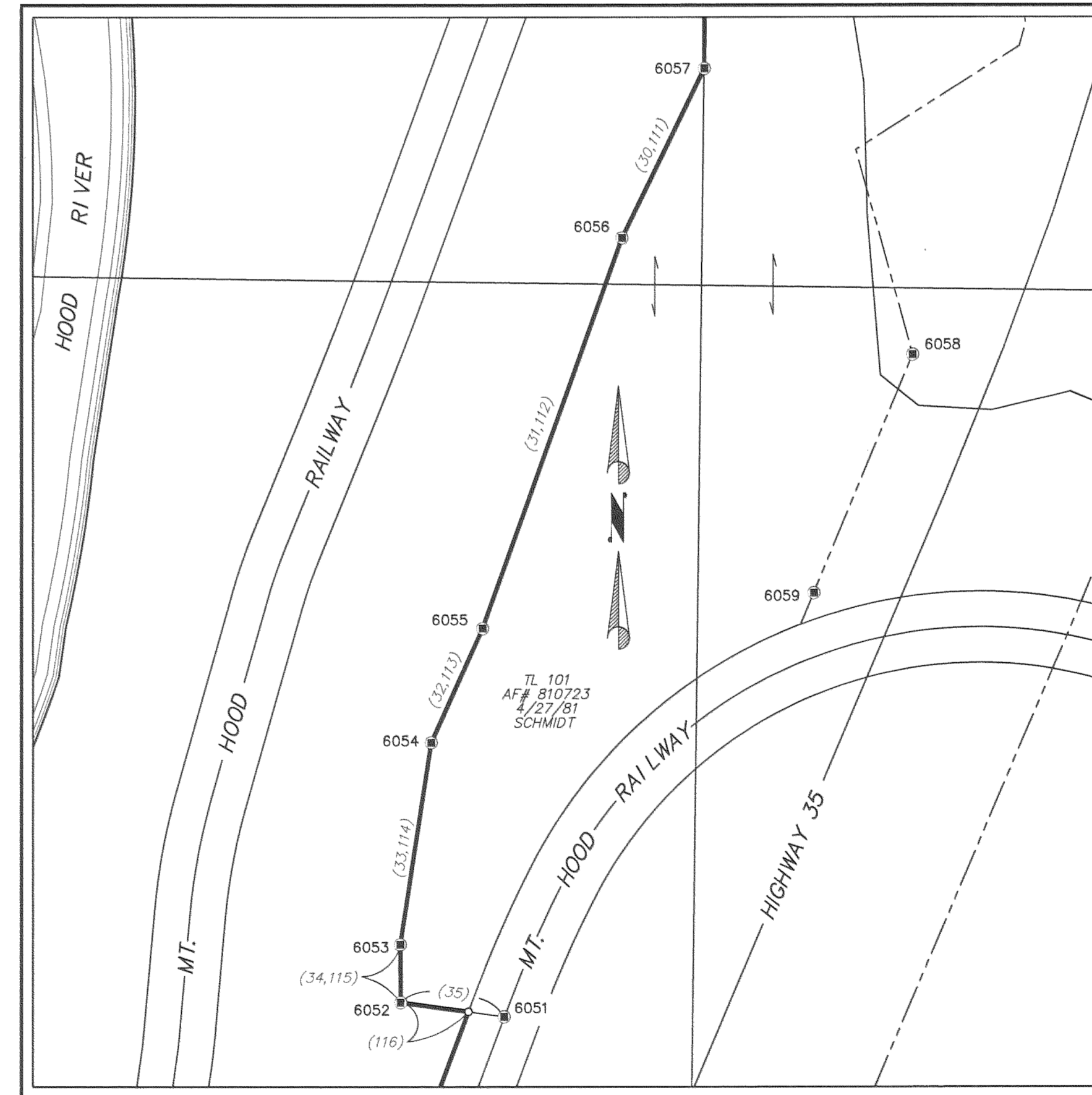
DETAIL C



DETAIL D



DETAIL E



FILED

NOV 7, 1995
Richard J. Schmidt
COUNTY SURVEYOR

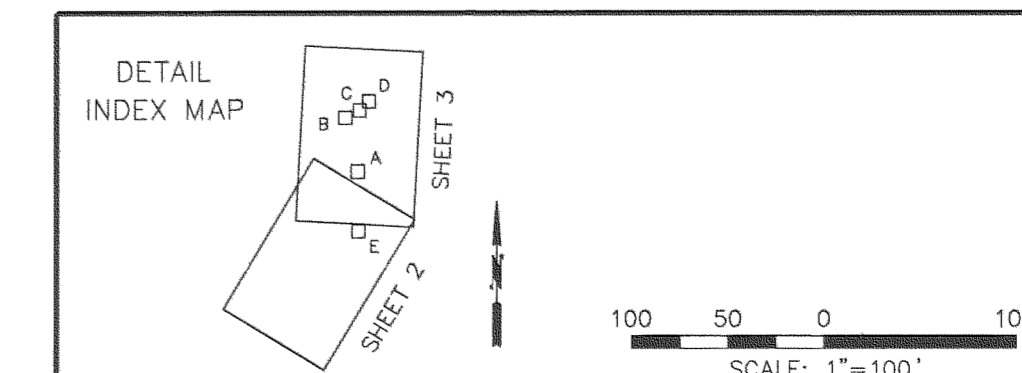
REGISTERED
PROFESSIONAL
LAND SURVEYOR

Richard J. Schmidt

OREGON
1985-1995
MARK R. HEIDECHE
2132
EXPIRES 6/30/97

GERA

C.E. Raleigh and Associates, Inc.
CONSULTANTS
Surveying • Right-of-Way • Engineering
4540 S.W. 110th Avenue, Suite 100, Portland, OR 97225-0847
Beverton, OR 97005-3911, Portland, OR 97225-0847
Telephone (503) 628-6658, Facsimile (503) 628-2494



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