



# RECORD OF SURVEY

## "CASCADE LOCKS EAST"

for  
U.S.D.A. FOREST SERVICE  
COLUMBIA RIVER GORGE NATIONAL SCENIC AREA  
PAGE 2 OF 5

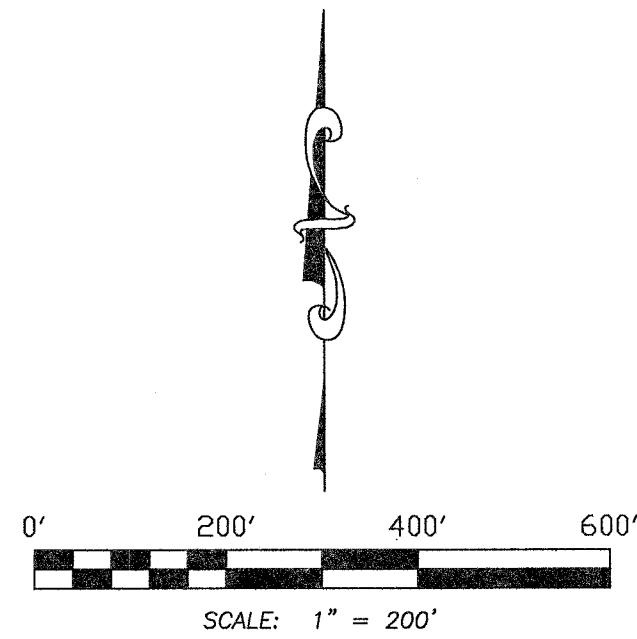
HOOD RIVER COUNTY  
SURVEYOR'S OFFICE

CS# 2022 047

DATE FILED: 9/29/2022

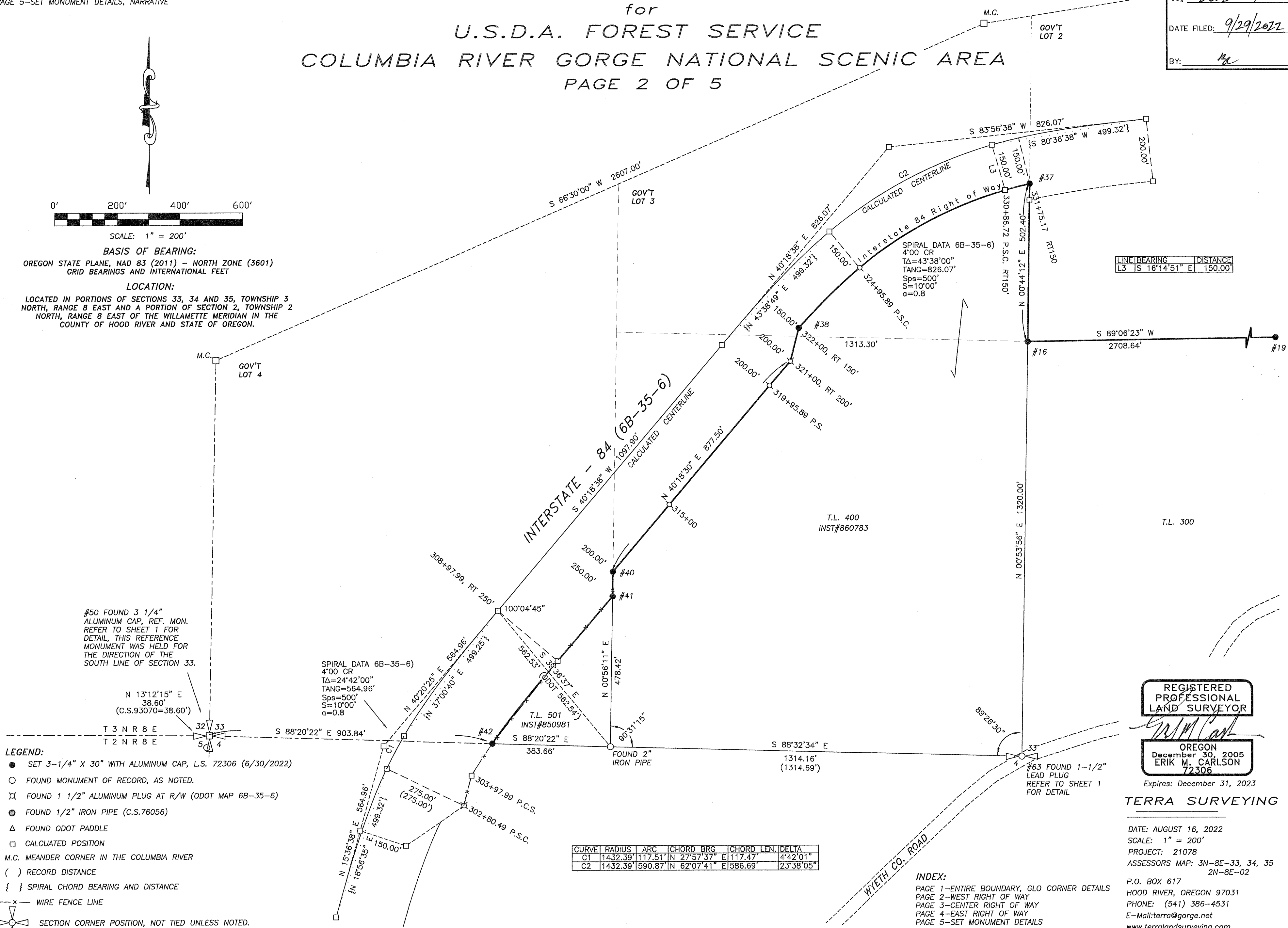
BY: *EC*

**INDEX:**  
PAGE 1-ENTIRE BOUNDARY, GLO CORNER DETAILS  
PAGE 2-WEST RIGHT OF WAY  
PAGE 3-CENTER RIGHT OF WAY  
PAGE 4-EAST RIGHT OF WAY  
PAGE 5-SET MONUMENT DETAILS, NARRATIVE



**BASIS OF BEARING:**  
OREGON STATE PLANE, NAD 83 (2011) - NORTH ZONE (3601)  
GRID BEARINGS AND INTERNATIONAL FEET

**LOCATION:**  
LOCATED IN PORTIONS OF SECTIONS 33, 34 AND 35, TOWNSHIP 3  
NORTH, RANGE 8 EAST AND A PORTION OF SECTION 2, TOWNSHIP 2  
NORTH, RANGE 8 EAST OF THE WILLAMETTE MERIDIAN IN THE  
COUNTY OF HOOD RIVER AND STATE OF OREGON.



LINE	BEARING	DISTANCE
L3	S 16°14'51" E	150.00'

#50 FOUND 3 1/4" ALUMINUM CAP, REF. MON. REFER TO SHEET 1 FOR DETAIL, THIS REFERENCE MONUMENT WAS HELD FOR THE DIRECTION OF THE SOUTH LINE OF SECTION 33.

SPIRAL DATA 6B-35-6)  
4'00 CR  
TA=24°42'00"  
TANG=564.96'  
Sps=500'  
S=10'00"  
a=0.8

- LEGEND:**
- SET 3-1/4" X 30" WITH ALUMINUM CAP, L.S. 72306 (6/30/2022)
  - FOUND MONUMENT OF RECORD, AS NOTED.
  - ⊗ FOUND 1 1/2" ALUMINUM PLUG AT R/W (ODOT MAP 6B-35-6)
  - ⊙ FOUND 1/2" IRON PIPE (C.S.76056)
  - △ FOUND ODOT PADDLE
  - CALCULATED POSITION
  - M.C. MEANDER CORNER IN THE COLUMBIA RIVER
  - ( ) RECORD DISTANCE
  - { } SPIRAL CHORD BEARING AND DISTANCE
  - x- WIRE FENCE LINE
  - ⊕ SECTION CORNER POSITION, NOT TIED UNLESS NOTED.

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
December 30, 2005  
ERIK M. CARLSON  
72306

Expires: December 31, 2023

TERRA SURVEYING

DATE: AUGUST 16, 2022  
SCALE: 1" = 200'  
PROJECT: 21078  
ASSESSORS MAP: 3N-8E-33, 34, 35  
2N-8E-02  
P.O. BOX 617  
HOOD RIVER, OREGON 97031  
PHONE: (541) 386-4531  
E-Mail: terra@gorge.net  
www.terrandsurveying.com

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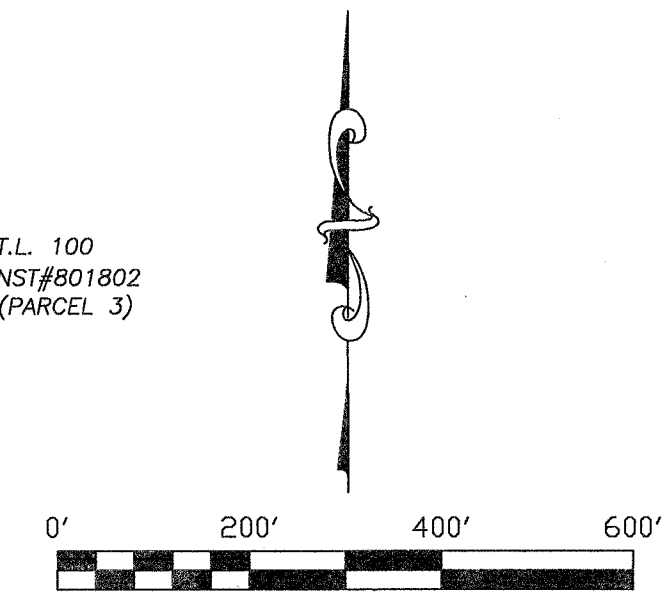
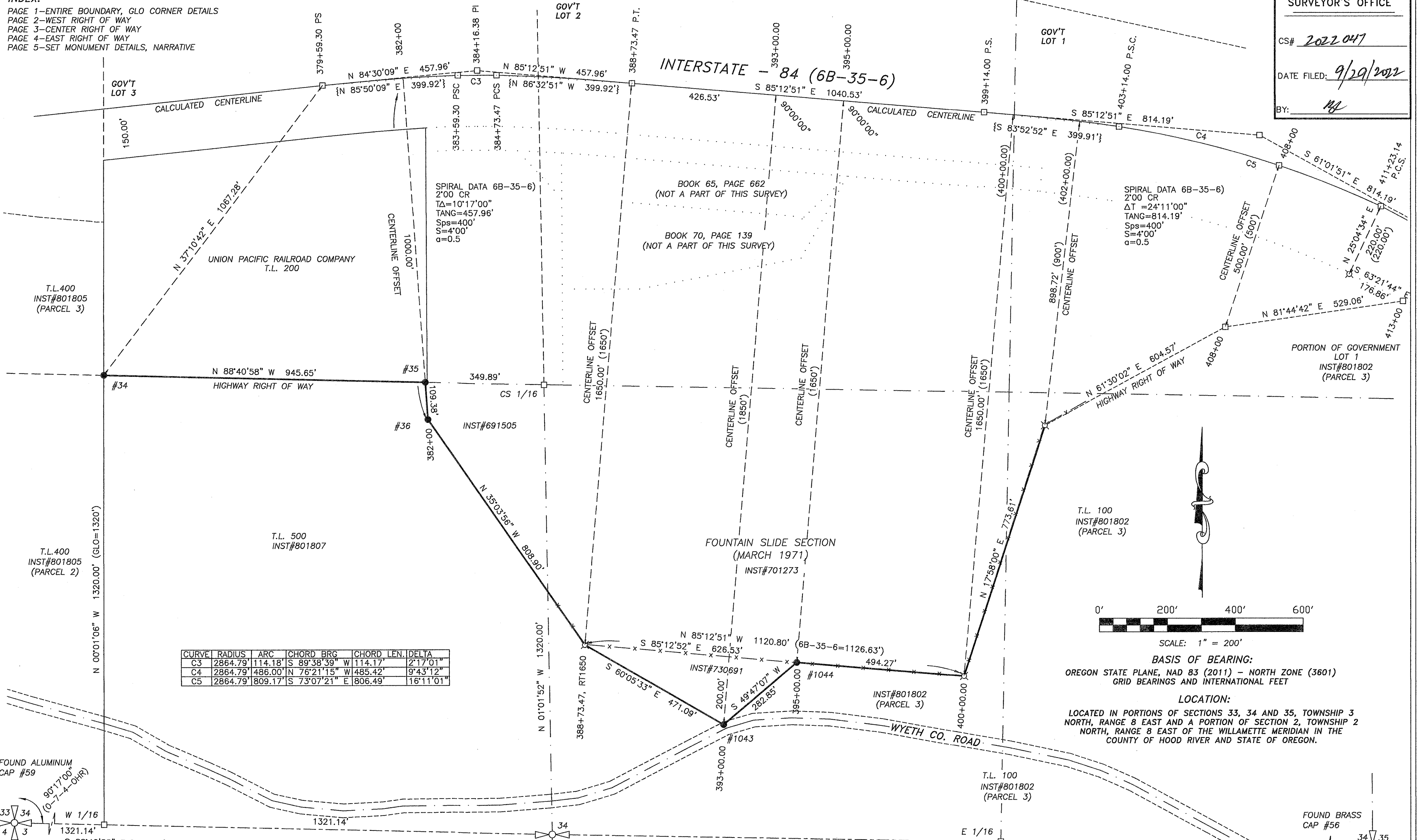
HOOD RIVER COUNTY  
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REGISTERED PROFESSIONAL LAND SURVEYOR  
*Erik M. Carlson*  
OREGON  
December 30, 2005  
ERIK M. CARLSON  
72306  
Expires: December 31, 2023

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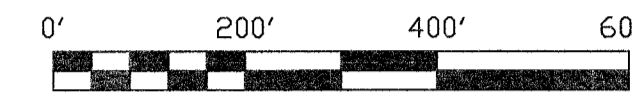
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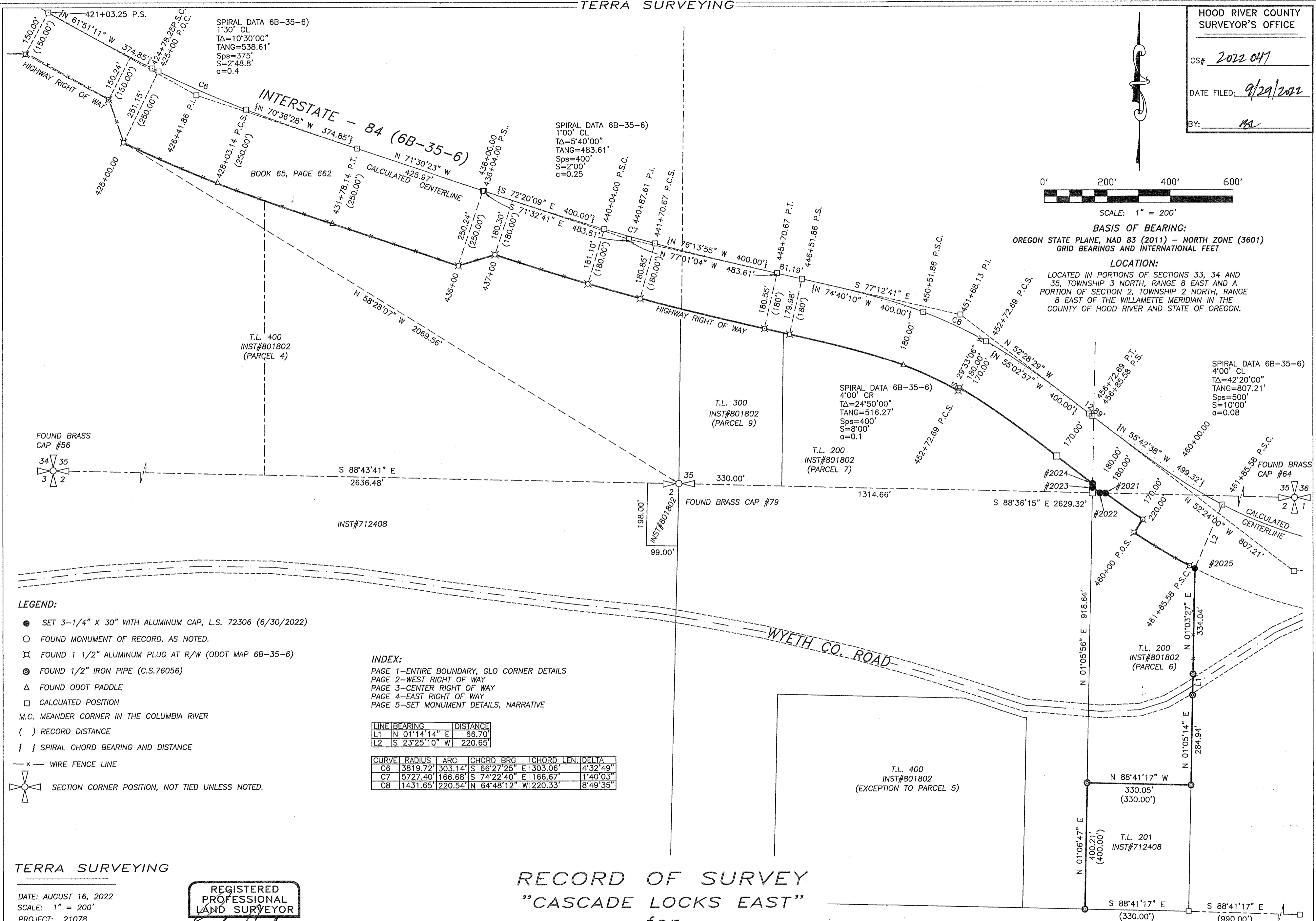
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LINE	BEARING	DISTANCE
L1	N 01°14'14" E	66.70'
L2	S 23°25'10" W	220.65'

CURVE	RADIUS	ARC	CHORD	BRG	CHORD LEN.	DELTA
C6	3819.72'	303.14'	S 66°27'25" E	303.06'	4°32'49"	
C7	5727.40'	166.68'	S 74°22'40" E	166.67'	1°40'03"	
C8	1431.65'	220.54'	N 64°48'12" W	220.33'	8°49'35"	

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BY: [Signature]



SCALE: 1" = 200'

NARRATIVE:

THE PURPOSE OF THIS SURVEY WAS TO CONDUCT A CADASTRAL SURVEY FOR THE U.S. FOREST SERVICE (TASK ORDER #1240BH21F0034). THE BOUNDARY WAS DESCRIBED AS ALIQUOT PORTIONS OF SECTIONS 2, 33, 34, 35 LYING SOUTH OF THE I-84 RIGHT OF WAY. THE FIRST TASK WAS TO TIE INTO THE SECTION CORNERS ALONG THE SOUTH LINE OF SECTIONS 33, 34, 35. THESE SECTIONS ARE FRACTIONAL SECTIONS DUE TO THE NORTHERLY EXTENSION INTO THE COLUMBIA RIVER (BONNEVILLE POOL) WHICH WAS ARTIFICIALLY FLOODED IN THE LATE 1930'S.

IN ORDER TO DETERMINE THE SOUTH RIGHT OF WAY OF I-84, WE FIRST TIED INTO REFERENCE MONUMENTS AND PADDLES ALONG THE HIGHWAY. WE USED THE THE STATIONING AND OFFSET REPORTED ON THE PADDLES TO ROUGHLY CALCULATE THE ODOT CONTROL ON THE TRUE RIGHT OF WAY AS SHOWN IN ODOT RIGHT OF WAY MAP 6B-35-5 (LAST REVISION DATED OCTOBER 1976).

WE CONDUCTED CLOSED LOOP TRAVERSES WHERE THE DENSE FOREST DID NOT ALLOW AN ACCEPTABLE GPS OBSERVATION. THE CONTROL WAS COLLECTED USING NETWORK OBSERVATIONS AND STATIC OBSERVATION WITH OPUS SOLUTIONS AND A COMPASS ADJUSTMENT WAS APPLIED. TRAVERSES MET THE 1:5000 CLOSURE. THE ACCURACY CLASSIFICATION AT THE 95 PERCENT CONFIDENCE LEVEL FOR BOTH NETWORK AND LOCAL IN ACCORDANCE WITH THE STANDARDS FOR GEODETIC CONTROL NETWORKS (PART 2 OF THE FEDERAL GEOSPATIAL POSITIONING ACCURACY STANDARDS FOR NEWLY ESTABLISHED MONUMENTS).

THE BASIS OF BEARING IS THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 34 MONUMENTED BY A BRASS CAP AT THE SOUTH QUARTER CORNER AND AN ALUMINUM CAP MONUMENTING THE SECTION CORNER.

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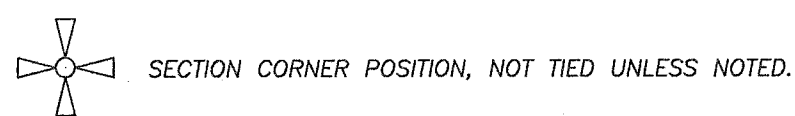
Table with 4 columns: Point, Northing, Easting, Description. It lists 25 points with their coordinates and monument types (e.g., CALCULATED, ALUMINUM CAP, BRASS CAP, MONFD, SEARCH).

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