

- LEGEND**
- FOUND MONUMENT
  - ESTABLISHED POSITION
  - CALCULATED POSITION

**SURVEY NARRATIVE**

THIS SURVEY WAS PERFORMED TO MAP AN EXISTING ROAD FOR AND EASEMENT EXCHANGE IN SECTION 10 AND 15, TOWNSHIP 3 NORTH, RANGE 6 EAST, WILLAMETTE MERIDIAN SKAMANIA COUNTY, STATE OF WASHINGTON. SECTION SUBDIVISION WAS PERFORMED IN ACCORDANCE WITH 2008 U.S. MANUAL OF SURVEYING INSTRUCTIONS.

**CONTROL SPECIFICATIONS, METHOD OF SURVEY, EQUIPMENT USED, AND ACCURACY**

CONTROL WAS ESTABLISHED USING REAL TIME KINEMATIC (RTK) GNSS OBSERVATIONS WITH A LEICA GS 18 GNSS RECEIVER, ON THE WASHINGTON STATE REFERENCE NETWORK (WSRN), "SWWA" SUBNETWORK, VIRTUAL REFERENCE STATION ("SWWA" VRS). A WEIGHTED AVERAGE OF A MINIMUM OF FOUR OCCUPATIONS OF A MINIMUM OF 50 EPOCHS WAS USED FOR GNSS RTK CONTROL POINTS. CONVENTIONAL FIELD TRAVERSING TECHNIQUES, USING A LEICA TS 16P 3" TOTAL STATION, WERE EITHER CLOSED LOOPS OR CLOSED ON PREVIOUSLY KNOWN POSITIONS AND PROCESSED USING STARNET LEAST SQUARES ADJUSTMENT, VERSION 12.0.2.4688. THE STANDARDS ESTABLISHED IN WAC 332-130-080/090 FOR GRID TRAVERSES WERE MET OR EXCEEDED, AND A POSITIONAL TOLERANCE OF 0.07 FEET +/- 200 PPM AT THE 95% CONFIDENCE LEVEL WAS PASSED, AS ESTABLISHED IN WAC 332-130-085.

BEARINGS FROM MONUMENTS TO TREE REFERENCES ARE MEASURED WITH HAND COMPASS (VAR. 15° E) AND DISTANCES TO TREE REFERENCES ARE TO 16D FINISH NAILS AT THE BASE-RIGHT SIDE CENTER OF TREES, UNLESS OTHERWISE SPECIFIED.

**BASIS OF BEARINGS AND DISTANCES**

BEARINGS AND DISTANCES BASED ON THE WASHINGTON PLANE COORDINATE SYSTEM, NAD 83 (2011) EPOCH 2010, SOUTH ZONE, DERIVED BY REAL TIME CORRECTIONS TO THE WASHINGTON STATE REFERENCE NETWORK "SWWA" SUBNETWORK STATIONS.

WSRN "SWWA" SUBNETWORK COORDINATES - NAD83 (2011) EPOCH 2010 -- JANUARY 30, 2025

SITE NAME	NORTH LATITUDE	WEST LONGITUDE	EHT (METERS)
CATH	46°11'50.27550"	123°22'02.11310"	56.662
COUG	46°03'33.16269"	122°15'38.72736"	151.817
CPXF	46°50'24.29150"	122°15'23.40719"	533.975
CROK	46°16'28.54460"	122°54'45.09388"	1.464
GLWD	46°01'11.36754"	121°17'18.92585"	561.411
GRMD	46°47'43.73504"	123°01'21.28885"	31.083
JKPR	46°32'06.06775"	122°50'16.51126"	149.027
OLAR	46°57'40.28907"	122°54'30.41265"	41.404
P414	45°50'05.51205"	122°41'34.15435"	64.217
P417	46°34'29.04206"	123°17'52.48567"	102.82
P429	45°40'34.04523"	121°52'38.43649"	25.9418
P446	46°06'56.36943"	122°53'33.97532"	-16.09
PDXA	45°35'48.72809"	122°36'33.17797"	-4.6361
PKWD	46°35'59.25666"	121°40'37.06993"	307.105
SKCO	45°41'39.27452"	121°53'02.19408"	43.014
TDLS	45°36'27.74441"	121°07'46.16396"	26.923
VCWA	45°37'03.44335"	122°30'57.79856"	77.4061
WEBG	45°46'46.46143"	122°33'46.11586"	67.647
YCS2	46°56'28.48335"	122°35'25.96016"	91.78

CONVERGENCE ANGLE IS -1°07'19" AT THE ESTABLISHED 2-3/8" OUTSIDE DIAMETER ALUMINUM PIPE, 30" LONG, WITH A 3-1/4" WASHINGTON STATE DEPARTMENT OF THE NATURAL RESOURCES ALUMINUM CAP, WITH PROPER IDENTIFICATION, ON A PINK MAGNETIC BREAKAWAY BASE, AT THE 10, 11, 14 AND 15 OF TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M.

THE AREAS AND DISTANCES DEPICTED ARE IN US SURVEY GRID FEET. TO OBTAIN GROUND DISTANCES, DIVIDE THE GRID DISTANCES BY THE PROJECT AVERAGE COMBINED GRID FACTOR OF 0.99991220. THE COMBINED GRID FACTOR CALCULATED FROM AN ELEVATION FACTOR OF 0.99989346 AND SCALE FACTOR OF 1.00001873.

APPROXIMATE MEAN ELEVATION (NAVD 88) FOR THE PROJECT SITE = 2300.000 U.S.FT.  
AVERAGE GEOID 18 HEIGHT (NAVD 88) CORRECTION = -21.415 METERS (70.259 US FT)

**LEGAL DESCRIPTION**

SKAMANIA COUNTY TO THE STATE OF WASHINGTON UNDER DEED DATED OCTOBER 5, 1937 RECORDED DECEMBER 18, 1937 IN BOOK Z OF PATENTS PAGE 531, RECORD OF THE AUDITOR'S OFFICE OF SKAMANIA COUNTY, STATE OF WASHINGTON.

THE SOUTH HALF OF THE NORTHWEST QUARTER AND THE NORTH HALF OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M.

UNITED STATES OF AMERICA, BUREAU OF LAND MANAGEMENT TO THE STATE OF WASHINGTON UNDER PATENT 46-67-0004, DATED NOVEMBER 4, 1966. RECORDED JANUARY 9, 1967 IN BOOK C OF PATENTS PAGE 251, RECORD OF THE AUDITOR'S OFFICE OF SKAMANIA COUNTY, STATE OF WASHINGTON.

THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER, THE NORTH HALF OF THE NORTHWEST QUARTER AND THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M.

INTERNATIONAL PAPER COMPANY TO THE STATE OF WASHINGTON UNDER STATUTORY WARRANTY DEED, DATED JANUARY 27, 1976. RECORDED FEBRUARY 2, 1976 IN VOLUME 70 OF DEEDS PAGE 381, RECORD OF THE AUDITOR'S OFFICE OF SKAMANIA COUNTY, STATE OF WASHINGTON.

THE EAST HALF OF THE NORTHEAST QUARTER AND THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M.

TOGETHER WITH AND SUBJECT TO EASEMENTS, COVENANTS, CONDITIONS, RESTRICTIONS, AND RESERVATIONS OF RECORD, IF ANY, AFFECTING TITLE WHICH MAY APPEAR IN THE PUBLIC RECORD INCLUDING THOSE SHOWN ON THE FACE OF ANY RECORD PLAT OR SURVEY.

THE SURVEY DOES NOT PURPORT TO SHOW ALL EASEMENTS OF RECORD, IF ANY.

**"ZIEGLER EASEMENT EXCHANGE" SURVEY**

FIELD CREW: A. WALCZYK, PLS  
R. SEILER, LST  
Z. LEEPER  
G. NOVAK  
L. DORSZYNSKI  
FIELD BOOK: 3094  
12/2/2024

FINAL MAP NUMBER: 2372

SHEET 1 OF 4

A SURVEY IN SECTION 10 AND 15, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M.,  
SKAMANIA COUNTY, WASHINGTON

STATE OF WASHINGTON  
DEPARTMENT OF NATURAL RESOURCES

LAND SURVEY SECTION - P.O. BOX 47030  
OLYMPIA, WASHINGTON 98504-7030 (360) 902-1206

**SURVEYOR'S CERTIFICATE**

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT AT THE REQUEST OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES IN FEBRUARY, 2025.

ALEXANDER W. WALCZYK, P.L.S. 53684

2/19/25

DATE

**AUDITOR'S CERTIFICATE**

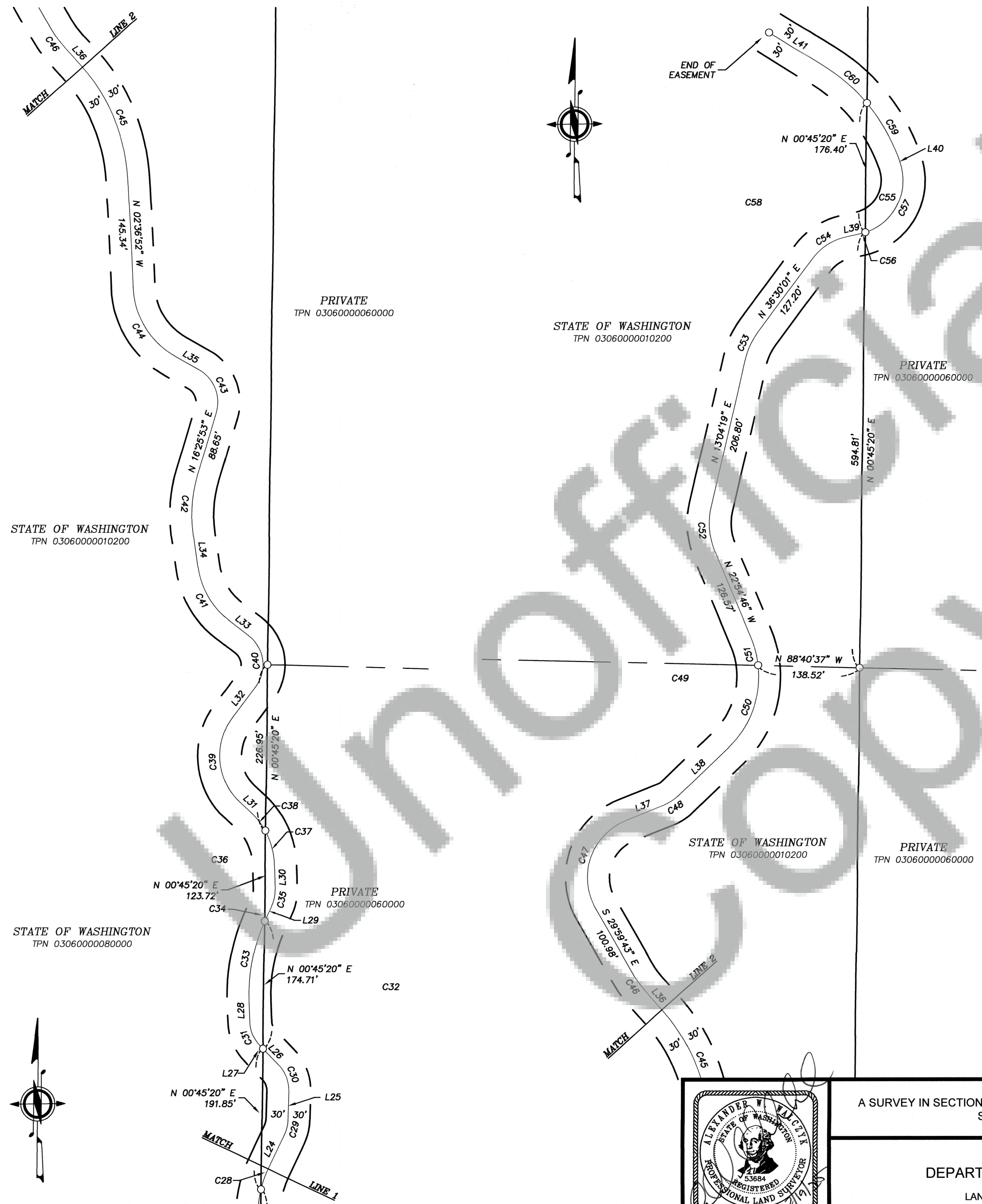
FILED FOR RECORD THIS 20th DAY OF February, 2025  
AT 4:48 AM, IN BOOK 1 OF SURVEYS AT PAGE 1  
AT THE REQUEST OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. AEN# 2025-000277

SKAMANIA COUNTY DEPUTY AUDITOR









LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 75°28'14" W	13.50'
L2	N 57°09'03" W	55.64'
L3	N 08°21'54" W	94.72'
L4	N 58°31'35" E	45.35'
L5	N 27°42'28" W	21.09'
L6	S 13°49'15" W	97.87'
L7	S 88°27'54" E	25.40'
L8	S 55°18'52" W	43.67'
L9	N 81°00'27" W	6.73'
L10	N 47°17'09" E	31.55'
L11	S 16°54'06" W	1.42'
L12	N 26°19'45" W	38.85'
L13	N 79°03'29" E	89.53'
L14	N 72°07'53" E	43.40'
L15	N 37°57'31" W	12.95'
L16	S 43°27'09" E	31.91'
L17	S 35°33'47" E	51.56'
L18	N 23°28'06" W	59.74'
L19	N 36°33'35" W	27.93'
L20	N 13°16'05" W	23.46'
L21	N 61°09'34" W	49.70'
L22	N 19°29'07" W	54.50'
L23	N 42°32'45" W	24.27'
L24	N 25°12'43" E	51.40'
L25	N 01°27'23" E	39.49'
L26	N 44°05'31" W	30.18'
L27	N 44°05'31" W	5.05'
L28	S 01°59'27" E	28.98'
L29	N 25°28'55" E	14.80'
L30	S 00°42'50" E	33.92'
L31	N 47°28'31" W	21.17'
L32	N 37°11'44" E	54.01'
L33	S 52°54'21" E	34.11'
L34	S 07°32'32" E	43.73'
L35	N 60°33'25" W	36.71'
L36	S 41°40'46" E	34.32'
L37	S 68°25'40" W	57.42'
L38	N 46°01'09" E	97.78'
L39	N 77°33'26" E	21.28'
L40	N 19°25'04" W	0.85'
L41	N 58°11'44" W	88.09'
L42	N 00°45'20" E	67.76'

CURVE TABLE			
CURVE	DELTA ANGLE	RADIUS	ARC LENGTH
C1	32°54'28"	30.00'	17.23'
C2	47°22'43"	30.00'	24.81'
C3	48°47'10"	75.00'	63.86'
C4	113°06'32"	30.00'	59.22'
C5	86°14'02"	30.00'	45.15'
C6	41°31'43"	30.00'	21.74'
C7	77°42'50"	35.00'	47.47'
C8	36°13'14"	35.00'	22.13'
C9	30°23'04"	150.00'	79.55'
C10	43°13'51"	240.00'	181.08'
C11	105°23'14"	45.00'	82.77'
C12	31°03'06"	50.00'	27.10'
C13	24°07'30"	50.00'	21.05'
C14	69°54'36"	45.00'	54.91'
C15	52°9'38"	500.00'	47.94'
C16	20°43'18"	150.00'	54.25'
C17	12°49'55"	100.00'	22.40'
C18	12°05'41"	100.00'	21.11'
C19	13°05'30"	100.00'	22.85'
C20	23°17'30"	100.00'	40.65'
C21	13°39'04"	500.00'	119.13'
C22	34°14'24"	125.00'	74.70'
C23	14°34'20"	50.00'	12.72'
C24	23°03'38"	50.00'	20.12'
C25	67°45'29"	150.00'	177.39'
C26	30°14'55"	150.00'	79.19'
C27	26°06'22"	150.00'	68.35'
C28	11°24'12"	150.00'	29.85'
C29	23°45'20"	50.00'	20.73'
C30	45°32'54"	50.00'	39.75'
C31	42°06'04"	50.00'	36.74'
C32	27°28'22"	250.00'	119.87'
C33	25°39'40"	250.00'	111.97'
C35	26°11'45"	50.00'	22.86'
C36	46°45'40"	100.00'	81.61'
C37	28°12'19"	100.00'	49.23'
C38	18°33'21"	100.00'	32.39'
C39	84°40'15"	85.00'	125.61'
C40	90°06'05"	50.00'	78.63'
C41	45°21'48"	110.00'	87.09'
C42	23°58'25"	200.00'	83.68'
C43	76°59'17"	50.00'	67.18'
C44	57°56'33"	115.00'	116.30'
C45	39°03'54"	250.00'	170.45'
C46	11°41'02"	150.00'	30.59'
C47	98°25'24"	85.00'	146.01'
C48	22°24'32"	50.00'	19.56'
C49	68°55'55"	135.00'	162.42'
C50	52°14'07"	135.00'	123.08'
C51	16°41'47"	135.00'	39.34'
C52	35°59'05"	100.00'	62.81'
C53	23°25'42"	100.00'	40.89'
C54	41°03'25"	75.00'	53.74'
C55	96°58'31"	75.00'	126.94'
C56	5°03'31"	75.00'	6.62'
C57	91°55'00"	75.00'	120.32'
C58	38°46'40"	250.00'	169.20'
C59	21°02'38"	250.00'	91.82'
C60	17°44'02"	250.00'	77.38'



A SURVEY IN SECTIONS 10 AND 15, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., SKAMANIA COUNTY, WASHINGTON

STATE OF WASHINGTON  
DEPARTMENT OF NATURAL RESOURCES

LAND SURVEY SECTION - P.O. BOX 47030  
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"ZIEGLER EASEMENT EXCHANGE" SURVEY

FIELD CREW: A. WALCZYK, PLS  
R. SEILER, LSIT  
Z. LEEPER  
G. NOVAK  
L. DORSZYNSKI

FIELD BOOK: 3094 12/2/2024

FINAL MAP NUMBER: 2372

SHEET 3 OF 4



SURVEY REFERENCES

- (1) GENERAL LAND OFFICE NOTES OF THE SUBDIVISION OF TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, UNDER CONTRACT NO. 600, OF THE STATE OF WASHINGTON. COMPLETED JUNE 11, 1903, AND APPROVED OCTOBER 24, 1904.
- (2) UNRECORDED "SWANBERG PHOTO" SURVEY OF SECTION 10, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY THOMAS H. LAIRD, JR., PLS 21490, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. ON FILE IN FIELD BOOK 600.19 AND 600.20, AT THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, STATE LAND SURVEY UNIT, OLYMPIA, WA. DATED 1980.
- (3) LAND CORNER RECORD OF A PORTION OF SECTION 3 AND 10, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY MICHAEL A. KINNAMAN, PLS 11977, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. RECORDED UNDER AUDITOR'S FILE NUMBER 93966, RECORDS OF THE SKAMANIA COUNTY AUDITOR. DATED 1982.
- (4) LAND CORNER RECORD OF A PORTION OF SECTION 2, 3, 10 AND 11, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY MICHAEL A. KINNAMAN, PLS 11977, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. RECORDED UNDER AUDITOR'S FILE NUMBER 93967, RECORDS OF THE SKAMANIA COUNTY AUDITOR. DATED 1982.
- (5) LAND CORNER RECORD OF A PORTION OF SECTION 3 AND 10, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY MICHAEL A. KINNAMAN, PLS 11977, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. RECORDED UNDER AUDITOR'S FILE NUMBER 93968, RECORDS OF THE SKAMANIA COUNTY AUDITOR. DATED 1982.
- (6) LAND CORNER RECORD OF SECTION CORNER COMMON TO SECTION 3, 4, 9 AND 10, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY MICHAEL A. KINNAMAN, PLS 11977, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. RECORDED UNDER AUDITOR'S FILE NUMBER 93969, RECORDS OF THE SKAMANIA COUNTY AUDITOR. DATED 1982.
- (7) LAND CORNER RECORD OF THE QUARTER SECTION CORNER COMMON TO SECTION 10 AND 15, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY THOMAS H. LAIRD, JR., PLS 21490, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. RECORDED UNDER AUDITOR'S FILE NUMBER 102097, RECORDS OF THE SKAMANIA COUNTY AUDITOR. DATED 1986.
- (8) RECORD OF SURVEY OF A PORTION OF SECTION 11, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY JERRY C. OLSON, PLS 9025, OF OLSON ENGINEERING, INC. RECORDED UNDER AUDITOR'S FILE NUMBER 106963, RECORDS OF THE SKAMANIA COUNTY AUDITOR. DATED 1989.
- (9) RECORD OF SURVEY OF A PORTION OF SECTION 11, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., BY JOHN M. SHACKELFORD, PLS 22349, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. RECORDED UNDER AUDITOR'S FILE NUMBER 2015000901, RECORDS OF THE SKAMANIA COUNTY AUDITOR. DATED 2015.

CORNER NOTES

- (E 13) SECTION CORNER COMMON TO SECTIONS 3, 4, 9 AND 10, TOWNSHIP 3 NORTH, RANGE 6, EAST, W.M.
- CALCULATED POSITION
- HISTORY
- 1903 -(1)- ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, ESTABLISHED A LARCH POST FOR SECTION CORNER POST 2.20 CHAINS NORTH OF THE TOP OF ACCENT WITH A RIDGE BEARING EAST AND WEST. FROM WHICH:
- A 30" DIAMETER DEAD FIR BEARS N 55°30' E, 32 LINKS;
  - AN 18" DIAMETER DEAD FIR BEARS S 73°30' E, 31 LINKS;
  - A 30" DIAMETER DEAD HEMLOCK BEARS S 32° W, 36 LINKS;
  - A 28" DIAMETER DEAD FIR BEARS N 10°45' W, 21 LINKS.
- 1980 -(2 & 6)- MICHAEL A. KINNAMAN, PLS 11977, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, ESTABLISHED A 3" CYLINDRICAL CONCRETE MONUMENT WITH A 3" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES BRASS CAP, WITH PROPER IDENTIFICATION, FROM AN EXISTING BEARING TREE STUMP PATTERN.
- 2025 - THIS SURVEY CALCULATED THE POSITION OF A 3" CYLINDRICAL CONCRETE MONUMENT WITH A 3" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES BRASS CAP FROM COORDINATES PROVIDED ON THE WORK MAP OF SURVEY REFERENCE (2). CONVERTED FROM 1927 WASHINGTON COORDINATED SYSTEM COORDINATES TO NAD 1983 (2011) WASHINGTON COORDINATE SYSTEM COORDINATES USING NATIONAL GEODETIC SURVEY COORDINATE CONVERSION AND TRANSFORMATION TOOL (NCAT) SOFTWARE.
- (E 15) QUARTER SECTION CORNER COMMON TO SECTIONS 3 AND 10, TOWNSHIP 3 NORTH, RANGE 6, EAST, W.M.
- CALCULATED POSITION
- HISTORY
- 1903 -(1)- ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, DID NOT ESTABLISH A POSITION AT THE QUARTER CORNER DUE TO A ROCK BANK THAT WOULD NOT ALLOW THE CORNER TO BE ESTABLISHED. A WITNESS CORNER 0.30 CHAINS WEST WAS THEREFORE ESTABLISHED.
- 1980 -(2 & 5)- MICHAEL A. KINNAMAN, PLS 11977, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, CALCULATED THE POSITION AT SINGLE PROPORTION BETWEEN THE FOUND WITNESS CORNER AND THE FOUND SECTION CORNER COMMON TO SECTION 2, 3, 10 AND 11.
- 2025 THIS SURVEY THE POSITION AT SINGLE PROPORTION BETWEEN THE FOUND WITNESS CORNER AND THE FOUND SECTION CORNER COMMON TO SECTION 2, 3, 10 AND 11, AS PER SURVEY REFERENCE (2).
- (E 17) SECTION CORNER COMMON TO SECTIONS 2, 3, 10 AND 11, TOWNSHIP 3 NORTH, RANGE 6, EAST, W.M.
- CALCULATED POSITION
- HISTORY
- 1903 -(1)- ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, ESTABLISHED A 4 FOOT LONG, 4"x4" HEMLOCK POST, 24" IN THE GROUND, FOR THE SECTION CORNER. FROM WHICH:
- A 28" DIAMETER FIR BEARS N 47° E, 28 LINKS;
  - A 30" DIAMETER FIR BEARS S 11°45' E, 93 LINKS;
  - AN 18" DIAMETER FIR BEARS S 52° W, 57 LINKS;
  - A 16" DIAMETER HEMLOCK BEARS N 67°45' W, 62 LINKS.
- 1980 -(2 & 4)-MICHAEL A. KINNAMAN, PLS 11977, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, ESTABLISHED A 3" CYLINDRICAL CONCRETE MONUMENT WITH A 3" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES BRASS CAP, WITH PROPER IDENTIFICATION, EXPOSED 0.25 FEET, FROM AN EXISTING BEARING TREE STUMP PATTERN. ESTABLISHED MONUMENT FALLS 5.00 FEET WEST OF A 6 FOOT DROP OFF WITH A LEANING FIR SNAG ON TOP OF DROP OFF.
- 1989 -(7)- JERRY C. OLSON, PLS 9025, OF OLSON ENGINEERING, INC. FOUND A WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES CONCRETE MONUMENT.
- 2025 THIS SURVEY CALCULATED THE POSITION OF A 3" CYLINDRICAL CONCRETE MONUMENT WITH A 3" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES BRASS CAP FROM COORDINATES PROVIDED ON THE WORK MAP OF SURVEY REFERENCE (2). CONVERTED FROM 1927 WASHINGTON COORDINATED SYSTEM COORDINATES TO NAD 1983 (2011) WASHINGTON COORDINATE SYSTEM COORDINATES USING NATIONAL GEODETIC SURVEY COORDINATE CONVERSION AND TRANSFORMATION TOOL (NCAT) SOFTWARE.

(G 13) QUARTER SECTION CORNER COMMON TO SECTIONS 9 AND 10, TOWNSHIP 3 NORTH, RANGE 6, EAST, W.M.

CALCULATED POSITION

HISTORY

- 1903 -(1)- ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, ESTABLISHED A 4 FOOT LONG, 4"x4" HEMLOCK POST, 24" IN THE GROUND, FOR THE QUARTER SECTION CORNER, 0.25 CHAINS NORTH OF A 2 LINK WIDE BROOK FLOWING EAST. FROM WHICH:
- A 14" DIAMETER HEMLOCK BEARS S 37°30' E, 30 LINKS;
  - A 30" DIAMETER HEMLOCK BEARS N 30° W, 31 LINKS.
- 1980 -(2)- THOMAS H. LAIRD, JR., PLS 21490, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, ESTABLISHED A 3" CYLINDRICAL CONCRETE MONUMENT WITH A 3" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES BRASS CAP, WITH PROPER IDENTIFICATION, EXPOSED 0.30', FROM AN EXISTING BEARING TREE STUMP PATTERN. FROM WHICH:
- A 47" DIAMETER HEMLOCK BEARING TREE, WITH OVERGROWN AXE MARKS, BEARS N 30° W, 20.46 FEET;
  - REMAINS OF A 14" DIAMETER HEMLOCKS BEAR S 37° E, 19.80 FEET;
  - A 24" DIAMETER HEMLOCK BEARS S 76° E, 10.76 FEET;
  - A 14" DIAMETER HEMLOCK BEARS S 37° W, 45.25 FEET;
  - A 13" DIAMETER FIR BEARS N 60° W, 19.24 FEET;
  - A 6" DIAMETER FIR BEARS N 41° W, 11.65 FEET.
- THE ESTABLISHED MONUMENT FALLS NORTH 17 FEET, MORE OR LESS OF A 10 FOOT, MORE OR LESS, WIDE CREEK BOTTOM FLOWING S 38° E.
- 2025 THIS SURVEY CALCULATED THE POSITION OF A 3" CYLINDRICAL CONCRETE MONUMENT WITH A 3" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES BRASS CAP FROM COORDINATES PROVIDED ON THE WORK MAP OF SURVEY REFERENCE (2). CONVERTED FROM 1927 WASHINGTON COORDINATED SYSTEM COORDINATES TO NAD 1983 (2011) WASHINGTON COORDINATE SYSTEM COORDINATES USING NATIONAL GEODETIC SURVEY COORDINATE CONVERSION AND TRANSFORMATION TOOL (NCAT) SOFTWARE.

(G 17) QUARTER SECTION CORNER COMMON TO SECTIONS 10 AND 11, TOWNSHIP 3 NORTH, RANGE 6, EAST, W.M.

CALCULATED POSITION

HISTORY

- 1903 -(1)- ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, ESTABLISHED A 4 FOOT LONG, 4"x4" HEMLOCK POST, 24" IN THE GROUND, FOR THE QUARTER SECTION CORNER, 4 CHAINS SOUTH OF A 12 LINK WIDE CREEK FLOWING NORTHEAST. FROM WHICH:
- A 24" DIAMETER HEMLOCK BEARS S 58° E, 62 LINKS;
  - A 20" DIAMETER HEMLOCK BEARS N 44° W, 100 LINKS.
- 1989 -(7)- JERRY C. OLSON, PLS 9025, OF OLSON ENGINEERING, INC. ESTABLISHED A 1" IRON PIPE WITH A BRASS CAP FROM THE REMAINS OF A 2 STUMP PATTERN AND THE CALL TO THE CREEK.
- 2025 THIS SURVEY USED COORDINATES PROVIDED ON SURVEY REFERENCE (8) TO CALCULATED A POSITION OF THE 1" IRON PIPE WITH A BRASS CAP AS ESTABLISHED BY SURVEY REFERENCE (7).

(J 15) QUARTER SECTION CORNER COMMON TO SECTIONS 10 AND 15, TOWNSHIP 3 NORTH, RANGE 6, EAST, W.M.

CALCULATED POSITION

HISTORY

- 1903 -(1)- ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, ESTABLISHED A 4 FOOT LONG, 4"x4" HEMLOCK POST, 24" IN THE GROUND, FOR THE QUARTER SECTION CORNER. FROM WHICH:
- A 24" DIAMETER LARCH BEARS S 11°15' E, 113 LINKS;
  - A 44" DIAMETER HEMLOCK BEARS N 78°45' W, 116 LINKS.
- 1986 -(7)- THOMAS H. LAIRD, JR., PLS 21490, OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, ESTABLISHED A 2-3/8" OUTSIDE DIAMETER ALUMINUM PIPE WITH A 3-1/4" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES ALUMINUM CAP, WITH PROPER IDENTIFICATION, EXPOSED 0.30', FROM THE EXISTING REMAINS OF THE ORIGINAL BEARING TREES. FROM WHICH:
- A 44" DIAMETER HEMLOCK BEARING TREE SNAG, BEARS N 79° W, 76.6 FEET;
  - ROOT REMAINS OF A 24" DIAMETER LARCH, FOUND BENEATH 2 LARGE WINDFALLS, BEARS S 11° W, 74 FEET;
  - A 9" DIAMETER FIR BEARS N 75° E, 1.08 FEET;
  - A 13" DIAMETER FIR BEARS S 76° W, 16.39 FEET;
  - A 10" DIAMETER FIR BEARS N 30° W, 10.80 FEET;
- 2025 THIS SURVEY CALCULATED THE POSITION OF A 2-3/8" OUTSIDE DIAMETER ALUMINUM PIPE WITH A 3-1/4" WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES ALUMINUM CAP FROM COORDINATES PROVIDED ON THE WORK MAP OF SURVEY REFERENCE (2). CONVERTED FROM 1927 WASHINGTON COORDINATED SYSTEM COORDINATES TO NAD 1983 (2011) WASHINGTON COORDINATE SYSTEM COORDINATES USING NATIONAL GEODETIC SURVEY COORDINATE CONVERSION AND TRANSFORMATION TOOL (NCAT) SOFTWARE.

(J 17) SECTION CORNER COMMON TO SECTIONS 10, 11, 14 AND 15, TOWNSHIP 3 NORTH, RANGE 6, EAST, W.M.

ESTABLISHED POSITION

HISTORY

- 1903 -(1)- ROBERT F. WHITMAN, U.S. DEPUTY SURVEYOR, ESTABLISHED A 4 FOOT LONG, 4"x4" HEMLOCK POST, 24" IN THE GROUND, FOR THE SECTION CORNER. FROM WHICH:
- A 24" DIAMETER HEMLOCK BEARS N 66° E, 51 LINKS;
  - A 24" DIAMETER HEMLOCK BEARS S 36°30' E, 31 LINKS;
  - AN 18" DIAMETER HEMLOCK BEARS S 27° W, 40 LINKS;
  - A 26" DIAMETER HEMLOCK BEARS N 45°15' W, 18 LINKS.
- 2024 THIS SURVEY ESTABLISHED A 2-3/8" OUTSIDE DIAMETER ALUMINUM PIPE, 30" LONG, WITH A 3-1/4" WASHINGTON STATE DEPARTMENT OF THE NATURAL RESOURCES ALUMINUM CAP, WITH PROPER IDENTIFICATION, ON A PINK MAGNETIC BREAKAWAY BASE, EXPOSED 0.80 FEET, FROM THE REMAINS OF A STUMP PATTERN. FROM WHICH:
- A 24" DIAMETER DETERIORATING HEMLOCK BEARING TREE STUMP, 2 FEET TALL, BEARS N 66° E, 33.66 FEET;
  - DEPRESSION OF A 24" DIAMETER HEMLOCK BEARING TREE, BEARS S 36°30' E, 20.46 FEET;
  - AN 18" DIAMETER DETERIORATING HEMLOCK BEARING TREE STUMP, 2 FEET TALL, BEARS S 27° W, 26.40 FEET;
  - A 26" DIAMETER DETERIORATING HEMLOCK BEARING TREE STUMP, 2 FEET TALL, BEARS N 45°15' W, 11.88 FEET;
  - A 14" DIAMETER FIR, WITH A 16D FINISH NAIL IN THE LEFT SIDE CENTER, BEARS S 20° E, 3.22 FEET;
  - A 12" DIAMETER FIR, WITH A 16D FINISH NAIL IN THE RIGHT SIDE CENTER, BEARS S40° W, 12.91 FEET;
  - A 12" DIAMETER HEMLOCK, WITH A 16D FINISH NAIL IN THE RIGHT SIDE CENTER, BEARS N 10° W, 14.67 FEET;
  - A WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES ORANGE CARSONITE WITNESS POST BEARS NORTH, 2.00 FEET.

DEPARTMENT OF NATURAL RESOURCES FIELD BOOK 3094 PG 36 AND 37, DATED DECEMBER 2, 2024.



A SURVEY IN SECTIONS 10 AND 15, TOWNSHIP 3 NORTH, RANGE 6 EAST, W.M., SKAMANIA COUNTY, WASHINGTON

STATE OF WASHINGTON  
DEPARTMENT OF NATURAL RESOURCES

LAND SURVEY SECTION - P.O. BOX 47030  
OLYMPIA, WASHINGTON 98504-7030 (360) 902-1206

"ZIEGLER EASEMENT EXCHANGE" SURVEY

FIELD CREW: A. WALCZYK, PLS  
R. SEILER, LSIT  
Z. LEEPER  
G. NOVAK  
L. DORSZYSKI  
FIELD BOOK: 3094 12/2/2024

FINAL MAP NUMBER: 2372

SHEET 4 OF 4