RECORD 9 SURVEY

IN THE SOUTH HALF THE SOUTHEAST 1/4 Township 7 North, Skamania Coun Range 5 East, W.M. 9 9F ŤY, SECTION 29 AND SECTION 30 in

DATE OF SURVEY: MAY 2008 TO NOVEMBER 2008

E **OF CORNER RECOVERY:** NOVEMBER, 2005, NOVEMBER, 2006 MAY, 2008

BASIS OF BEARINGS: ZONE, NAD 83(1998). US SURVEY FEET. WASHINGTON COORDINATE SYSTEM, SOUTH DISTANCES SHOWN ARE GRID DISTANCES

METHOD OF SURVEY: THIS SURVEY WAS EXECUTED WITH A TRIMBLE VX 1" (SECOND) TOTAL STATION USING FIELD SURVEY TRAVERSE METHODS AND TRIMBLE 5700 GPS RECEIVERS USING RTK FIELD SURVEY METHODS. GPS TIES WERE MADE TO "WOODAIR" AND "YALE". GPS OBSERVATIONS WERE MADE TO PRIMARY CONTROL POINTS. CORNERS SHOWN WERE EITHER DIRECTLY OBSERVED OR TIED WITH A CONVENTIONAL TRAVERSE ORIENTED TO THE ABOVE GPS POINTS WHICH MET THE REQUIREMENTS OF WAC 332-130-090.

PURPOSE OF SURVEY AND NARRATIVE:

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH A LEASE FOR PACIFICCORP FOR RIGHT OF WAY FOR MAINTENANCE ON A PORTION OF THE AQUATIC LANDS OF THE SECOND CLASS AND BED OF THE LEWIS RIVER FOR THE SWIFT NO. 1 HYDROELECTRIC PROJECT, DAM, SPILLWAY AND APPURTENANCES.

PUBLIC LAND SURVEY (PLS) CORNERS AND DNR MONUMENTS REFERENCED IN THE PACIFICORP FERC PROJECT NO. 2213 BY PETTIJOHN, DATED NOV. 29, 1956 WERE SEARCHED FOR AND NOT FOUND. DNR MONUMENTS WERE FOUND, TIED AND HELD AS SHOWN HEREON. EXISTING SECTION CORNERS WERE FOUND AS NOTED FOR SECTION 29, T7N, R5E, W.M., ALONG WITH 1/16, ¼, MC, AND WC CORNERS AS SHOWN HEREON. PETTIJOHN SUBDIVISION OF SECTIONS 29 AND 30 WERE HELD AND PRORATED TO FIT DISTANCES TO THE FOUND MONUMENTS AS SHOWN HEREON.

A COMBINATION OF GPS AND TOTAL STATION TRAVERSE AND TOPO, AS WELL AS ORTHOPHOTO MAPPING WERE USED TO IDENTIFY THE LEWIS RIVER CHANNEL, ORDINARY HIGH WATER MARKS, AND THE BANKS OF THE CHANNEL AND ORDINARY LOW WATER. LOT 4 OF SECTION 30 AND LOT 5 OF SECTION 29 NO LONGER EXIST DUE TO LEWIS RIVER ACCRETION. ADDITIONAL DEED, TITLE AND DNR CERTIFICATE OF GRANT OF RIGHT OF WAY WERE USED TO DETERMINE EXISTING PROPERTY AND GRANTS.

THIS PORTION OF THE LEWIS RIVER CHANNEL IS NOW IN A CONTROLED WATER RELEASE AREA. PACIFICCORP CONTROLS RELEASE OF WATERS FOR HYDROELECTRIS OPERATIONS OF SWIFT NO.1 AND SWIFT NO.2 POWER GENERATION.

IN FIELD OBSERVATIONS WERE TAKEN FOR THE HIGH AND LOW WATER DETERMINATIONS. ONLY BY PASS WATER FROM THE DAM SPILLWAY OR CANAL WASTEWAY BY PASS FLOW IN THE RIVER CHANNEL WHEN RELEASED BY THE HYDROELECTRIC DAY TO DAY OPERATIONS.

SURVEYS

- 1. RECORD OF SURVEY FILED IN VOLUME 7 PAGE 110 (Sec. 30)
 2. RECORD OF SURVEY FILED IN BOOK 25 PAGE 81,82,83 (Sec. 25)
 3. RECORD OF SURVEY FILED IN BOOK 3 PAGE 317 (Sec. 30)
 4. PACIFICORP FERC PROJECT NO. 2213 WASHINGTON, SWIFT No. 2
 HYDROELECTRIC PROJECT, EXHIBIT "K" (REVISED) SHEET 1
 THROUGH 4, DATED NOV. 29, 1956.
 5. AS-BUILT DRAWING FILED WITH PUBLIC UTILITY DISTRICT NO. 1
 OF COWLITZ COUNTY, WASHINGTON ON AUGUST 30, 2006
 FOLLOWING COMPLETION OF THE RECONSTRUCTION OF PROJECT
- RECORD OF SURVEY FIELD IN VOLUME 28 PAGE 64 (SEC. 29 & 30)

Twin Oaks Suite B-250 1800 NW 169th Place BEAVERTON, OREGON 97006 (503) 466-9460 Fax: (503)

G. E. RALEIGH AND ASSOCIATES

AQUATIC LEASE LEGAL DESCRIPTION
THOSE PORTIONS OF THE SHORELANDS OF THE SECOND CLASS AND BED OF THE LEWIS RIVER, OWNED BY THE STATE OF WASHINGTON, LYING IN FRONT OF AND BETWEEN GOVERNMENT LOTS 1, 2, 3, 4, 6, 7, 8, AND 9 OF SECTION 29 AND LYING IN FRONT OF AND BETWEEN GOVERNMENT LOTS 3 AND 9 OF SECTION 30, TOGETHER WITH THOSE UPLANDS, OWNED BY THE STATE OF WASHINGTON, LYING WITHIN GOVERNMENT LOT 5 OF SECTION 29, ALL IN TOWNSHIP 7 NORTH, RANGE 5 EAST, W.M. SKAMANIA COUNTY, WASHINGTON, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SECTION 29 AND RINNING HHACKE MAZ-4029*, 1888-42 FEET TO THE TRUE POINT OF BEGINNING AND BEING THE EXSISTING, UNE OF ORDINARY HIGH WATER ON THE LETS BANK OF THE LEWIS RIVER; THENCE SAS 25 55* MILES ROLLE ON THE LEWIS RIVER; THENCE SAS 25 7 55* MILES ROLLE ON THE LEWIS RIVER; THENCE SAS 25 7 55* MILES RETE, THENCE SAS 26* MILES ROLLE ON THE COUNSES, THENCE SAS 27 55* MILES RETE, THENCE SAS 26* MILES RETE, THENCE SAS 25* MILES RETE, THENCE SAS 25* MILES RETE, THENCE SAS 25* MILES RETE, THENCE SAS 26* MILES RETE, THENCE SAS 25* MILES RETE, THENCE SAS 26* MILES RETE, THENCE SAS 25* MILES RETE, THENCE SAS 26* MILES RETE, THENCE SAS 26* MILES RETE, THENCE SAS 26* MILES RETE, THENCE SAS 27* 27* 34* MILES RETE, THENCE SAS 26* MILES RETE, THENCE SAS 27* 27* 34* MILES RETE, THENCE SAS 28* MILES RETE, THENCE MILES

ALSO EXCEPTING A ISLAND OF LAND LOCATED WITHIN SAID LEASE AND BEING OF UNDETERMINED OWNERSHIP CONTAINING 3.76 ACRES MORE OR

AREA CONTAINS 24.86

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 PACIFIC CORP.

DATED DECEMBER 29, 2008.

Registered Land Surveyor L.S. No. 28407 Mark R. Heidecke

PROPERTY OWNER:

PacificCorp 825 NE Multnomah Portland, Oregon 97232

AUDITOR'S CERTIFICATE

Durnis Lauteron

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merny AT 11:14AM

STATE OF WASHINGTON
COUNTY OF SKAMANIA
I HEREBY CERTIFY THAT THE WITHIN INSTRUMENT OF WRITING FILED 19 E

on February Ţ 2009

COUNTY V J Nichoca Garnison ER OF SKAMA



D N R APPLICATION NO. 20-83761

RECORD OF SURVEY SKAMANIA COUNTY

IN SECTION 29, 30, TOWNSHIP 7 NORTH, RANGE 5 EAST, WILLAMETTE MERIDIAN, SKAMANIA COUNTY, WASHINGTON

DRAWN BY: CHECKED BY: APPROVED: SCALE: N/A DRAWING NO.: APPROVED: MRY DCL ELS 116089 SCALE.

2/mles

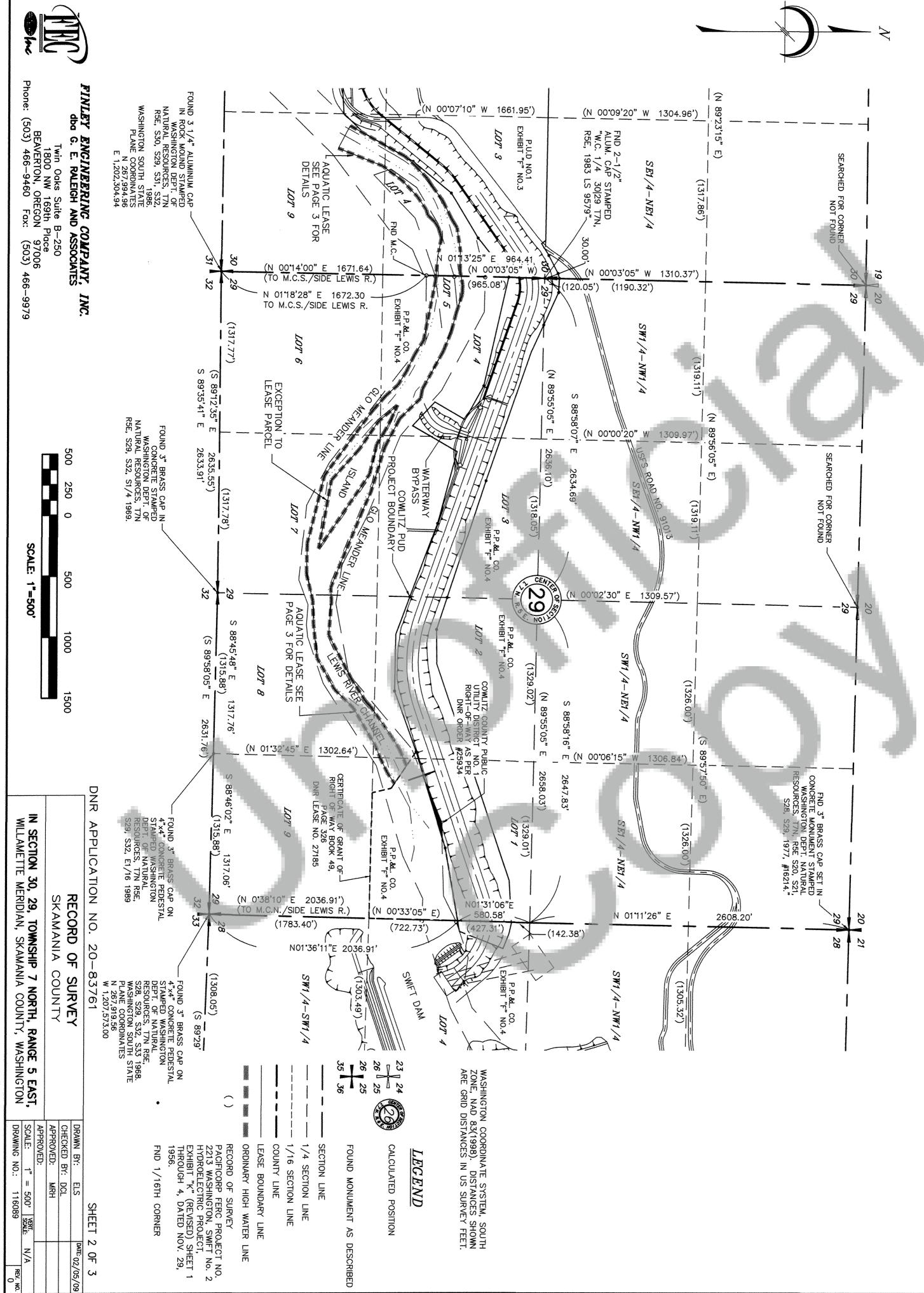
SHEET 1 OF 3

02/05/09

R 2009172062 P. 1943

RECORD OF SURVEY

IN THE SOUTH HALF OF SECTION 29 AND THE SOUTHEAST 1/4 OF SECTION 30 in Township 7 North, Range 5 East, W.M. Skamania County, WA



AF 2009172062 pg. 243

RECORD 9 SUR RVEY

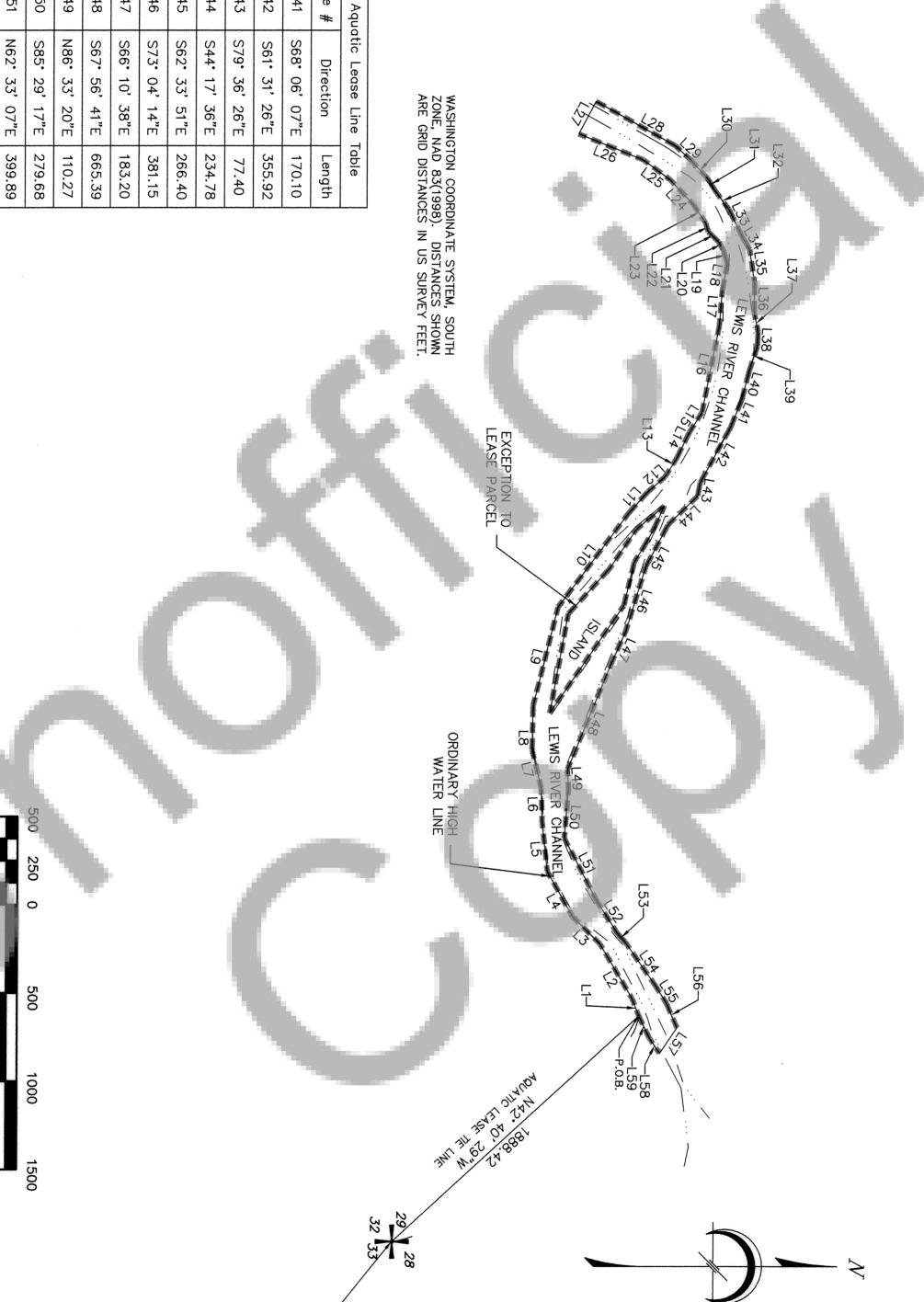
IN THE SOUTH HALF OF SECTION 2
THE SOUTHEAST 1/4 OF SECTION
Township 7 North, Range 5 East, Skamania County, East, W.M. ION 29 AND 30 In

Line #

Direction

Length

Aquatic Lease Line Table



L25

S36° 42' 38"W

192.21

L45

L24

S46' 54' 28"W

187.54

L44

L23

S56' 02' 35"W

128.98

L43

L22

S73' 59' 16"W

47.91

L42

FOUND 3" BRASS CAP ON 4"x4" CONCRETE PEDESTAL STAMPED WASHINGTON DEPT. OF NATURAL RESOURCES, T7N R5E, S29, S32, E1/16 1989 WASHINGTON SOUTH STATE PLANE COORDINATES N46"03"18.74"

L21

S44° 27' 28"W

83.07

L41

L20

S59* 12' 39"W

50.84

Line #

N79° 11' 11"W

149.58

L19

S72° 27' 34"W

83.41

L17

N85° 27' 35"W

206.62

L16

N78° 59' 03"W

498.23

L15

N57° 51' 53"W

135.57

L14

N64. 19, 13, W

158.08

L13

N58° 13' 36"W

126.78

L12

N41. 34, 56, W

128.86

7

N48° 21' 04"W

163.36

L10

N53° 32' 28"W

660.63

67

N76° 10' 23"W

573.64

8

N88° 54' 54"W

252.09

۲٦

S76° 25' 33"W

223.09

6

S88° 09' 30"W

192.70

5

S83° 45' 36"W

279.95

4

S60° 55' 19"W

295.14

5

S44. 34, 41, W

217.82

L2

S59° 34' 16"W

362.71

 \Box

S68* 57' 55"W

101.68

L33

N63° 41' 35"E

179.14

L53

N47' 22' 02"E

61.97

L34

N58° 54' 11"E

78.07

L54

N55' 17' 45"E

305.23

L36

S89° 36' 34"E

168.31

L56

N66° 33' 50"E

147.72

L37

N78° 11' 07"E

109.85

L57

S56° 05' 14"E

L35

N81° 26' 00"E

192.12

L55

N58' 05' 25"E

119.89

L32

N53° 42' 19"E

127.61

L52

N57' 30' 09"E

218.83

SCALE: 1"=500

LEGEND

L31

N57' 20' 46"E

84.61

L51

L30

N47' 28' 18"E

145.16

L50

L29

N42" 12' 02"E

116.30

L49

L28

N29° 20' 44"E

510.74

L48

L27

N62° 05' 47"W

208.16

L47

L26

S21° 57' 17"W

393.33

L46



L40

S75' 55' 51"E

163.95

L39

S72" 01" 33"E

150.59

S64' 23' 33"W

137.93

L38

S87° 35' 05"E

82.13

L58

S56' 18' 17"W

105.19

FINLEY ENGINEERING COMPANY, INC. dbg G. E. RALEIGH AND ASSOCIATES

Phone: Twin Oaks Suite B-250 1800 NW 169th Place BEAVERTON, OREGON 97006 (503) 466-9460 Fax: (503) 466-9979

WILLAMETTE MERIDIAN, SKAMANIA COUNTY, WASHINGTON	
SCALE: DRAWING NO	APPROVED:

DNR APPLICATION NO. 20-83761

RECORD OF SURVEY SKAMANIA COUNTY

26 25

ORDINARY HIGH WATER LINE

FOUND MONUMENT AS DESCRIBED

LEASE BOUNDARY LINE

AVERAGE LOW WATER LINE

35

GION	PASI,				
DRAWING NO.:	SCALE: 1"	APPROVED:	APPROVED:	CHECKED BY:	DRAWN BY:
116089	= 500'		MRH	DCL	ELS
9	VERT. SCALE:				
	N/A				DATE: 02/05/09
REV. NO					/05/0

SHEET 3

0F 3