

SURVEY NARRATIVE:

CONTROL FOR THIS SURVEY IS IN COMPLIANCE WITH THE FEDERAL GEODETIC CONTROL COMMITTEE'S "GEOMETRIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES, VERSION 5.0, REPRINTED WITH CORRECTIONS AUGUST 1, 1989." FOR GROUP C, ORDER 1 SURVEYS, FIELD OBSERVATIONS WERE MADE USING FOUR TRIMBLE 5700 GPS FIELD SURVEY RECEIVERS.

METHOD OF SURVEY:

THIS SURVEY WAS DONE BY FIELD TRAVERSE USING A TOPCON GTS-603AF 3 SECOND TOTAL STATION. TRAVERSES WERE CLOSED LOOPS OR CLOSED BETWEEN KNOWN POINTS. LINEAR AND ANGULAR CLOSURES EXCEEDED THOSE SHOWN IN WAC 332--130--090 FOR LAMBERT GRID TRAVERSES. CORNER MONUMENTS TIED AND MONUMENTS SET WERE CHECKED BY DOUBLE MEASURES OF BOTH DIRECTION AND DISTANCE.

BASIS OF BEARINGS AND DISTANCES:

WASHINGTON COORDINATE SYSTEM, SOUTH ZONE, NAD 83 (1991) DERIVED FROM GLOBAL POSITIONING SYSTEM (GPS) TIES TO THE FOLLOWING SURVEY CONTROL STATIONS:

(U.S. SURVEY FEET)
BRI 1987 N. 87090.846 E. 1210809.868
GP30014-19 N. 115655.245 E. 1262095.530
GP30014-22 N. 97377.498 E. 1208378.890
62 SKAMANIA MINES N. 120590.756 E. 1192562.891

NEW POSITIONS DETERMINED BY THIS SURVEY USING GPS METHODS: (U.S. SURVEY FEET)

100 N. 114891.780 E. 1213970.956
105 N. 114896.083 E. 1212067.689
150 N. 113438.142 E. 1212056.064
151 N. 115804.982 E. 1210519.552

NOTE: 105, 150, AND 151 WERE USED AS PHOTOGRAMETRIC CONTROL POINTS.

CONVERGENCE: -1' 13" 07" AT CORNER R-15.

THE AREAS AND DISTANCES SHOWN ARE GRID. DIVIDE THE GRID DISTANCE BY THE COMBINED GRID FACTOR OF 1.00001099 TO OBTAIN THE GROUND DISTANCE. THE COMBINED GRID FACTOR IS DERIVED FROM AN ELEVATION FACTOR OF 0.999995126 AND A GRID SCALE FACTOR OF 1.000005031 BASED ON PROJECT AVERAGES.

DESCRIPTION OF STATE OWNERSHIP:

THE W 1/2 OF THE SE 1/4 OF SECTION 22, TOWNSHIP 2 NORTH, RANGE 5 EAST, SKAMANIA COUNTY, WASHINGTON.

NOTE: THE PURPOSE OF THIS SURVEY WAS TO MARK THE STATE PROPERTY LINE THROUGH AN AREA OF UNAUTHORIZED ROCK REMOVAL FROM STATE LAND. FIVE REBARS WITH PLASTIC CAPS WERE SET AS SHOWN IN THE DRAWING.

CORNER NOTES:

SURVEY REFERENCES:
THE FOLLOWING SURVEY IS REFERRED TO IN THE CORNER NOTES:
SURVEY REFERENCE NO. 1: A SURVEY OF SECTION 22 BY OLSON ENGINEERING RECORDED IN BOOK 2 OF SURVEYS AT PAGE 110, RECORDS OF CLARK COUNTY.

R-15 SOUTH 1/4 CORNER OF SECTION 22. NOTHING SET

R-14-15 WITNESS CORNER TO SOUTH 1/4 CORNER OF SECTION 22

ACCEPTED CORNER

ON 11-8-05 THIS SURVEY FOUND THE 3/4" IRON PIPE WITH STAMPED BRASS CAP SET AS A WITNESS CORNER DURING SURVEY REFERENCE NO. 1. SAID SURVEY CALCULATED THE 1/4 BY SINGLE PROPORTION AND SET A WITNESS CORNER ON THE SECTION LINE, 147.35 FEET WESTERLY. THE POSITION OF THE 1/4 CORNER IS ON A VERY STEEP, ROCKY HILLSIDE.

THE FOLLOWING REFERENCES TO THE WITNESS CORNER WERE NOTED:

5" RP'S
5" HEMLOCK AT N33E 4.44 FEET TO ALUMINUM NAIL IN SOUTHEAST SIDE.

STEEL FENCE POST AT EAST 10.5 FOOT

DNR CARSONITE WITNESS POST AT SOUTH, 2 FEET

8" FIR AT S48W 8.23 FEET TO ALUMINUM NAIL IN SOUTHEAST SIDE

8" FIR AT N47W 14.66 FEET TO EXISTING RR SPIKE FACING CORNER.

FIELD BOOK 4075A, PAGE 28

R-17 SOUTHEAST CORNER OF SECTION 22

ACCEPTED CORNER
ON 11-8-05 THIS SURVEY FOUND THE AXLE MARKING THE SECTION CORNER AS SHOWN ON SURVEY REFERENCE NO. 1. IT IS APPROXIMATELY 200 FEET EAST OF THE WASHINGTON RIVER ROAD AND 80 FEET NORTH OF THE BPA R/W. IT IS 1 FOOT NORTHEAST OF A 4' X 5.5' X 1' BOULDER.

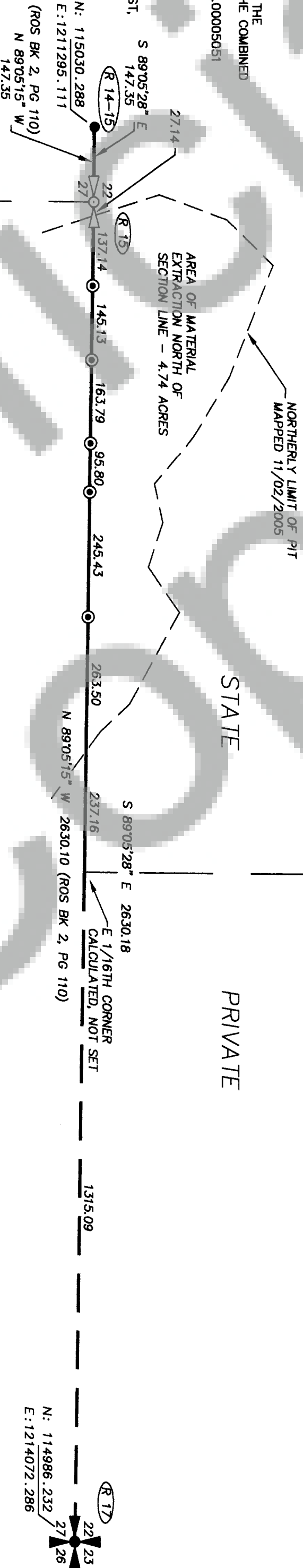
THE FOLLOWING REFERENCES WERE NOTED:

3 RP'S
DNR CARSONITE WITNESS POST AT NORTH, 2 FEET.

10" CHERRY AT S83E 21.63 FEET TO ALUMINUM NAIL IN SOUTH SIDE.

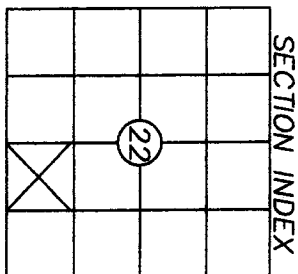
10" ALDER AT S35W 12.81 FEET TO EXISTING RR SPIKE FACING CORNER.

FIELD BOOK 4075A, PAGE 29.



3-23-06

1" = 200 FEET
0 100 200 300
WASHINGTON COORDINATE SYSTEM
SOUTH ZONE, NAD 83 (1991)



CORNER SYMBOLS:
FOUND MONUMENT.
SET DNR MONUMENT
CALCULATED - NOT SET.

LEGEND

DNR MONUMENT SET:

ON 11/08/2005 SET 5/8" DIAMETER REBAR WITH PLASTIC CAP STAMPED "DNR PROP LINE"

AUDITOR'S CERTIFICATE

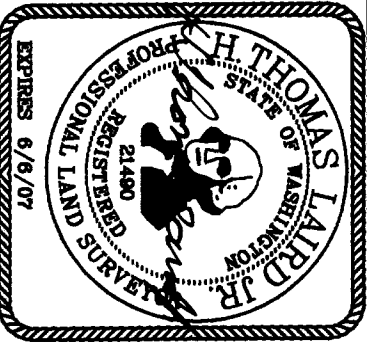
FILED FOR RECORD THIS 4th DAY OF April, 2006
AT 9:33 AM. IN BOOK OF SURVEYS AT PAGE
AT THE REQUEST OF THE WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES.

SKAMANIA COUNTY DEPUTY AUDITOR 2006161075

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 OCTOBER, 2005.

H. THOMAS LAIRD, JR., PLS. 21490



A SURVEY IN SECTION 22

TOWNSHIP 2 NORTH, RANGE 5 EAST, W.M.

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

LAND SURVEY SECTION-P.O. BOX 47060
OLYMPIA, WASHINGTON 98504-7060 (360)902-1206

SURVEYOR: H. T. LAIRD JR.
FIELD CREW: GRANQUIST, RAY, FEEDEN
FIELD BOOK: 4075A
DRAWN BY: DUGAN 03/20/2006
CHECKED BY: LAIRD 03/11/2006
F.M.# 1472
SHEET 1 OF 2

62 SKAMAWIA MINES

151 DNR

105 DNR

150 DNR

100 DNR

PROJECT SITE

WSDOT GP 30014-19

WSDOT GP 30014-22

BRL 1987

North Arrow

Scale Bar

BRI 1987 : AN OREGON HIGHWAY DEPARTMENT BRASS CAP IN OVERPASS OVER I-84.

GP30014-19 : A WASHINGTON STATE DOT BRASS CAP IN CONCRETE.

GP30014-22 : A WASHINGTON STATE DOT BRASS CAP IN CONCRETE IN MONUMENT CASE.

62 SKAMANIA MINES : A CLARK COUNTY SURVEYOR'S OFFICE BRASS
CAP STAMPED "40912".

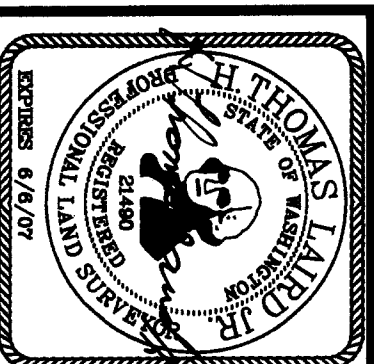
100 : A 60d SPIKE ON THE EAST SIDE OF WASHOUGAL RIVER ROAD.

105 : AN ORANGE TRIANGULAR PLASTIC HUB 10.7 FEET EAST OF THE EAST LEG OF A BPA TOWER.

150 :A 2" X 2" WOOD HUB WITH TACK.

151 : A 1 1/2" REBAR WITH 1 1/2" ALUMINUM "DNR CONTROL" CAP.

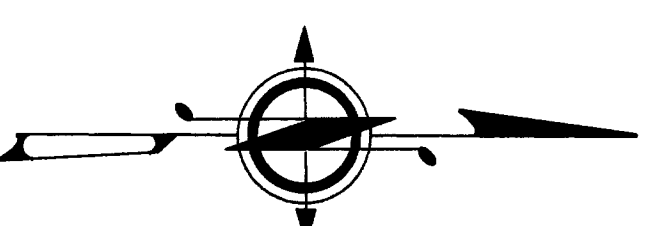
ERICKSON.DWG



3-23-06

CORNER SYMBOLS:

GPS MONUMENTS AS DESCRIBED



1" = 3500 FEET

Age Group	Number of People
13-17	1750
18-24	3500
25-34	3500
35-44	3500
45-54	3500
55-64	3500
65-74	3500
75-84	3500
85+	3500

WASHINGTON COORDINATE SYSTEM
SOUTH ZONE, NAD 83 (1991)

A SURVEY IN SECTION 22
TOWNSHIP 2 NORTH, RANGE 5 EAST, W.M.

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

LAND SURVEY SECTION-P.O. BOX 47060

OLYMPIA, WASHINGTON 98504--7060 (360)902-1206

SURVEYOR: H. T. LAIRD Jr.

FIELD CREW: GRANQUIST, RAY, FEDEN

FIELD BOOK: 4075A

DRAWN BY: DUGAN 03/20/2006

CHECKED BY: LAIRD 03/11/2006

F.M.# 1472

SHEET 2 OF 2