

CONTROL SPECIFICATIONS AND ACCURACY:

SELECTED TRAVERSE STATIONS WERE COORDINATED USING THE NATIONAL GEODETIC ON-LINE POSITIONING USER SERVICE, RAPID STATIC VERSION (OPUS-RS), USING A MINIMUM OF 15 MINUTES OF DATA WITH A MINIMUM OF 2 OCCUPATIONS SEPARATED IN TIME BY A MINIMUM OF 1 HOUR. GLOBAL POSITIONING SYSTEM (GPS) DATA WERE COLLECTED USING TRIMBLE R8 GPS RECEIVERS.

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(CORS96) (EPOCH: 2002.0000), DERIVED FROM GLOBAL POSITIONING SYSTEM (GPS) TIES TO THE FOLLOWING CONTINUOUSLY OPERATING REFERENCE STATIONS:

P376	PID DH4503	P702	PID DH5822
P420	PID DG8344	CPXF	PID AJ7202
P432	PID DG8347	GOBS	PID AF9664
P698	PID DH4129	KELS	PID AF9666

CONVERGENCE: -1° 01' 28" AT CORNER N-19.

THE AREAS AND DISTANCES SHOWN ARE GRID. DUPE THE GRID DISTANCE BY THE COMBINED GRID FACTOR OF 0.99995584 TO OBTAIN THE GROUND DISTANCE. THE COMBINED GRID FACTOR IS DERIVED FROM AN ELEVATION FACTOR OF 0.99993186 AND A GRID SCALE FACTOR OF 1.00002398 BASED ON PROJECT AVERAGES.

DESCRIPTION OF STATE PROPERTY SURVEYED:

NE 1/4 OF THE NE 1/4, W 1/2 OF THE NE 1/4, NW 1/4 OF THE SE 1/4, ALL IN SECTION 23, TOWNSHIP 3 NORTH, RANGE 7 EAST, W.M., SKAMANIA COUNTY, WASHINGTON

THE ABOVE LEGAL DESCRIPTION AND SUBSEQUENT SURVEY IS BASED ON A REPORT PREPARED BY THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES TITLE OFFICE, DATED AUGUST 29, 2007.

INDICATES THAT WHITE FIBERGLASS "BOUNDARY" POSTS WERE SET AT RANDOM INTERVALS ALONG THE NOTED SECTION OR SUB-DIVISIONAL LINES WITHIN ONE FOOT OF THE ACTUAL SECTION OR SUB-DIVISIONAL LINES.

SURVEY NARRATIVE:

THE PURPOSE OF THIS SURVEY WAS TO POST THE NOTED PROPERTY LINES FOR TIMBER CUTTING PURPOSES. THE SURVEY NOTED IN THE SURVEY REFERENCES BELOW WERE EVALUATED AND THEIR SUBDIVISION OF SECTION 23 WAS ACCEPTED.

SURVEY REFERENCES:

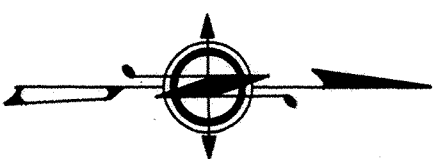
THE FOLLOWING SURVEYS ARE REFERRED TO IN THE CORNER NOTES:
SURVEY REFERENCE NO. 1: A SURVEY BY HAGEDORN, INC. RECORDED IN BOOK 1 OF SURVEYS AT PAGE 178, RECORDS OF SKAMANIA COUNTY. THIS SURVEY SUBDIVIDED SECTION 23 AND SET A STEEL FENCE POST FOR THE SE1/16 CORNER.
SURVEY REFERENCE NO. 2: A SURVEY BY HAGEDORN, INC. RECORDED IN BOOK 3 OF SURVEYS AT PAGE 230, RECORDS OF SKAMANIA COUNTY. THIS SURVEY FURTHER SUBDIVIDED SECTION 23, BASED ON SURVEY REFERENCE NO. 1, SETTING SEVERAL SUBDIVISIONAL CORNERS.

SECTION SUBDIVISION:

THE LOCATIONS OF CORNERS P-19 AND Q-20 ARE BASED ON SECTION SUBDIVISIONAL DATA SHOWN ON SURVEY REFERENCES 1 AND 2.

CORNER SYMBOLS:

- FOUND MONUMENT.
- SET DNR MONUMENT
- CALCULATED FROM RECORD
- NOT VISITED THIS SURVEY
- CALCULATED



1" = 300 FEET
0 150 300 600
WASHINGTON COORDINATE SYSTEM SOUTH ZONE, NAD 83 (CONS 96) (EPOCH: 2002.0000)

T3N				
R7E		X		
			X	

AUDITOR'S CERTIFICATE

FILED FOR RECORD THIS 17 DAY OF December, 2007
AT 3:46 P.M. IN BOOK AF 2007168524 OF SURVEYS AT PAGE 1
AT THE REQUEST OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES.

Michelle Steele
SKAMANIA COUNTY DEPUTY AUDITOR
2007168524
AUDITOR'S FILE NUMBER

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORPING ACT AT THE REQUEST OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES IN NOVEMBER, 2007.

William Laird, Jr.
W. THOMAS LAIRD, JR., PLS
21490
CERTIFICATE NUMBER

12-10-07

A SURVEY IN SECTION 23

TOWNSHIP 3 NORTH, RANGE 7 EAST, W.M.

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

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

KANAKA 23 SURVEY

FIELD CREW: LAIRD, RAY

SULLIVAN

FIELD BOOK: 3057

FM552.LWG 11/27/07

F.M.# 1552

SHEET 1 OF 2

CORNER NOTES:

(N-19) 1/4 CORNER OF SECTIONS 14 AND 23

FOUND AND ACCEPTED IRON PIPE WITH BRASS CAP.
ON 10-10-07 THIS SURVEY FOUND THE 2 1/2" STAMPED BRASS CAP ON A 1 1/2" IRON PIPE THAT WAS SET BY CROWN ZELLERBACH CORPORATION IN 1963 FROM 2 BEARING TREES.
THIS CORNER WAS USED BY SURVEY REFERENCES NO. 1 AND 2.
THE FOLLOWING REFERENCES WERE NOTED:
2 REFERENCES
8" CHERRY STUMP AT S8°E 8.40 FEET TO ALUMINUM NAIL IN TOP CENTER.
4" CASCARA AT N3°W 3.17 FEET TO ALUMINUM NAIL IN EAST SIDE.
FIELD BOOK 3057, PAGE 11

(N-21) CORNER OF SECTIONS 13, 14, 23, AND 24

FOUND AND ACCEPTED IRON PIPE WITH BRASS CAP.
ON 10-10-07 THIS SURVEY FOUND THE 2 1/2" STAMPED BRASS CAP ON A 1 1/2" IRON PIPE IN MOUND OF STONE THAT WAS SET BY CROWN ZELLERBACH CORPORATION IN 1963 FROM 3 SCRIBED BEARING TREES.
THE FOLLOWING REFERENCES WERE NOTED:
3 REFERENCES
32" FIR AT N30°E 16.44 FEET TO ALUMINUM NAIL IN NORTHWEST SIDE.
10" HEMLOCK AT S75°E 29.55 FEET TO ALUMINUM NAIL IN SOUTH SIDE.
8" FIR AT N50°W 11.37 FEET TO ALUMINUM NAIL IN SOUTHWEST SIDE.
FIELD BOOK 3057, PAGE 12

(O-19) CENTER NORTH 1/16 CORNER OF SECTION 23

FOUND AND ACCEPTED 5/8 INCH REBAR WITH PLASTIC CAP.
ON 10-2-07 THIS SURVEY FOUND THE REBAR WITH PLASTIC CAP AS SET AND REFERENCED ON SURVEY REFERENCE NO. 2.
NO ADDITIONAL REFERENCES WERE SET.
FIELD BOOK 3057, PAGE 8

(O-20) NORTHEAST 1/16 CORNER OF SECTION 23

CALCULATED CORNER - NOT SET
THIS SURVEY CALCULATED THE POSITION OF THE STATE PROPERTY CORNER BUT DID NOT SET IT BECAUSE THE SCOPE OF THE SURVEY DID NOT REQUIRE A TRAVERSE TO ITS LOCATION.

(O-21) NORTH 1/16 CORNER TO SECTION 23 AND 24

CALCULATED CORNER - NOT SET
THIS SURVEY CALCULATED THE POSITION OF THE STATE PROPERTY CORNER BUT DID NOT SET IT BECAUSE THE SCOPE OF THE SURVEY DID NOT REQUIRE A TRAVERSE TO ITS LOCATION.

(P-19) CENTER 1/4 CORNER OF SECTION 23

ACCEPTED THE REBAR WITH PLASTIC CAP AS SHOWN ON SURVEY REFERENCE NO. 2.
THIS SURVEY CALCULATED THE POSITION OF THIS CORNER BY SINGLE PROPORTION BETWEEN CORNERS O-19 AND Q-19, WHICH ARE SHOWN ON SURVEY REFERENCE NO. 2. IT WAS NOT VISITED DURING THIS SURVEY.

(P-20) CENTER EAST 1/16 CORNER OF SECTION 23

CALCULATED CORNER - NOT SET
THIS SURVEY CALCULATED THE POSITION OF THE STATE PROPERTY CORNER BUT DID NOT SET IT BECAUSE THE SCOPE OF THE SURVEY DID NOT REQUIRE A TRAVERSE TO ITS LOCATION.

(P-21) 1/4 CORNER TO SECTION 23 AND 24

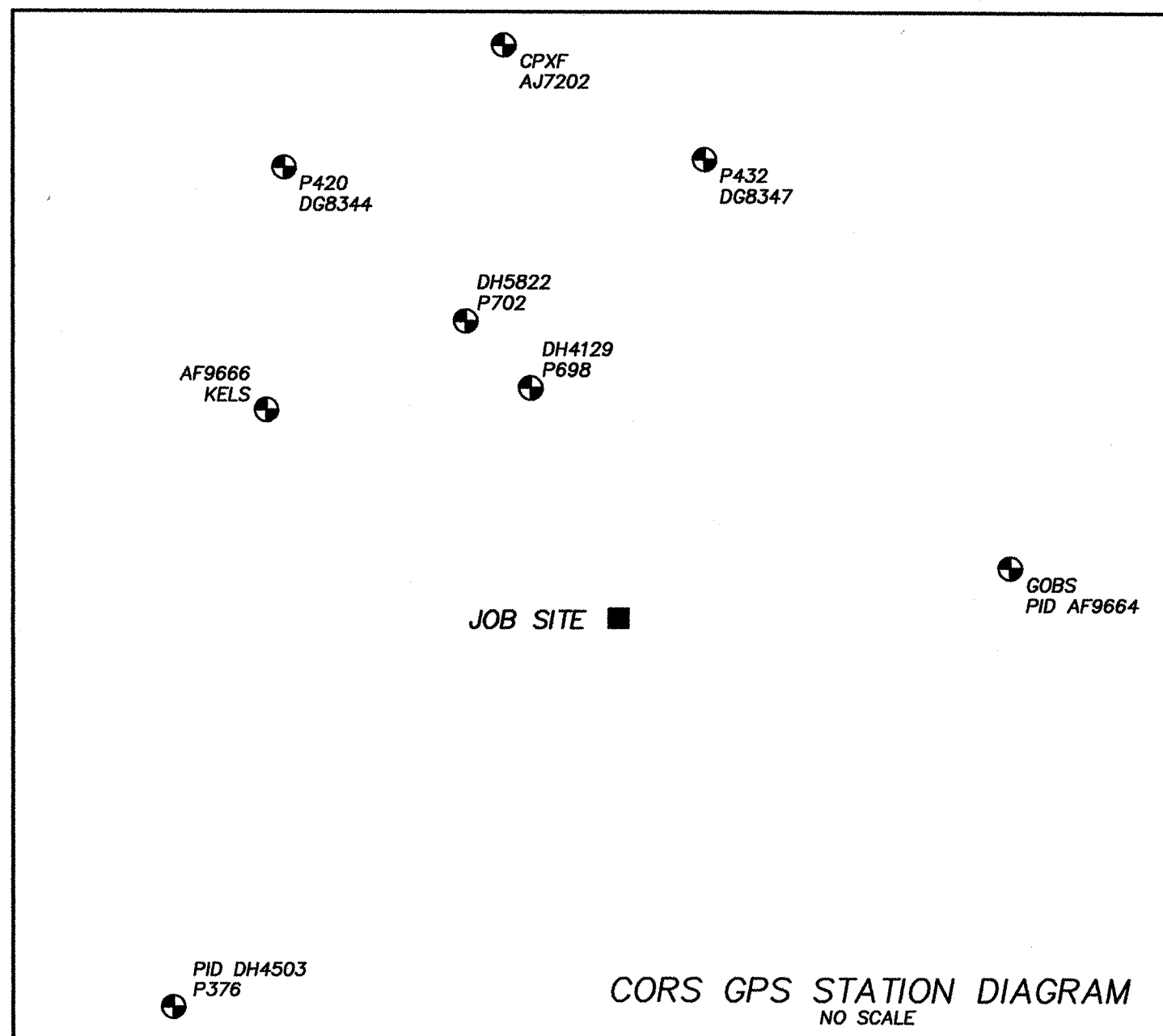
FOUND AND ACCEPTED DNR CONCRETE MONUMENT WITH BRASS CAP.
ON 9-10-07 THIS SURVEY FOUND THE 4" X 4" DNR CONCRETE MONUMENT WITH STAMPED BRASS CAP SET IN 1971 TO REPLACE A TREATED POST. IT WAS NOTED AT THAT TIME THAT THE POST FIT GLO TO TWO BEARING TREES, ONE OF WHICH HAD SCRIBING.
THE FOLLOWING REFERENCES WERE NOTED:
6 REFERENCES
DNR CARSONITE WITNESS POST AT NORTH, 2 FEET.
17" FIR STUMP AT N18°E 11.14 FEET TO ALUMINUM NAIL FACING CORNER.
15" FIR AT N75°E 17.61 FEET TO ALUMINUM NAIL IN SOUTHEAST SIDE.
GREEN 1 1/8" ANGLE IRON POST WITH REFLECTIVE 4" X 6" METAL TAG WITH "X" AT S40°E 0.72 FOOT.
12" HEMLOCK AT S85°W 21.47 FEET TO ALUMINUM NAIL IN SOUTH SIDE.
26" FIR STUMP AT N79°W 15.01 FEET TO ALUMINUM NAIL FACING CORNER.
FIELD BOOK 3057, PAGE 1

(Q-19) CENTER SOUTH 1/16 CORNER OF SECTION 23

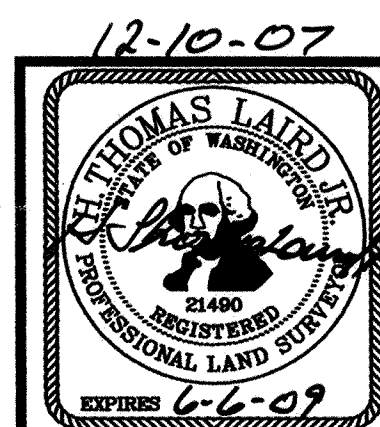
FOUND AND ACCEPTED 5/8 INCH REBAR WITH PLASTIC CAP.
ON 10-1-07 THIS SURVEY FOUND THE REBAR WITH PLASTIC CAP AS SET AND REFERENCED ON SURVEY REFERENCE NO. 2.
NO ADDITIONAL REFERENCES WERE SET.
FIELD BOOK 3057, PAGE 7

(Q-20) SOUTHEAST 1/16 CORNER OF SECTION 23

SET MONUMENT AT CALCULATED POSITION
ON 9-12-07 THIS SURVEY FOUND THE STEEL FENCE "T" POST SET BY SURVEY REFERENCE NO. 1 FOR LOGGING PURPOSES. IT WAS NOT ACCEPTED AS THE TRUE CORNER.
THE CORNER POSITION WAS CALCULATED USING A LEAST SQUARES ADJUSTMENT OF THREE POINT CONTROL. CORNERS P-19, Q-19, AND P-21 WERE USED AS CONTROL. TWO PREVIOUS SURVEYS (BOOK 1 OF SURVEYS, PAGE 178 AND BOOK 3 OF SURVEYS, PAGE 230) HAD SUBDIVIDED THIS SECTION AND THEIR DISTANCES WERE USED IN THE ADJUSTMENT.
ON 11-19-07 THIS SURVEY SET A 3/4" X 30" BREAKAWAY ALUMINUM ROD WITH STAMPED 3 1/2" DNR ALUMINUM CAP WITH MAGNET AT THE CORNER POSITION. THE FOLLOWING REFERENCES WERE NOTED:
4 REFERENCES
DNR CARSONITE WITNESS POST AT NORTH, 2 FEET.
18" FIR AT S47° MAPLE AT S47°W 25.55 FEET TO ALUMINUM NAIL IN NORTHWEST SIDE.
STEEL FENCE T POST AT N34°W 0.89 FOOT. (HAGEDORN LOGGING CORNER)
19" CEDAR AT N4°W 13.09 FEET TO ALUMINUM NAIL IN WEST SIDE.
FIELD BOOK 3057, PAGE 14



H. Thomas Laird Jr.



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KANAKA 23 SURVEY

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FM1552.DWG 11/27/07

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SHEET 2 OF 2