



THIS SURVEY WAS DONE AT THE REQUEST OF THE OREGON DEPARTMENT OF STATE LANDS, THE PURPOSE OF WHICH WAS TO RESOLVE AND MONUMENT THE DEED BOUNDARIES OF A PARCEL OF LAND OWNED BY THE DEPARTMENT IN UNION COUNTY. THE DEPARTMENT OF STATE LANDS PARCEL IS LOCATED WITHIN THE NW1/4NW1/4 OF SECTION 30, THE SW1/4 OF SECTION 19, AND THE SW1/4NW1/4 OF SECTION 19, TOWNSHIP 6 SOUTH, RANGE 39 EAST, W.M. AND IS IDENTIFIED AS TAX LOT 06S-39E-3300 OF UNION COUNTY. THE PROPERTY IS DESCRIBED IN THAT SHERIFFS DEED RECORDED JULY 27, 1933 IN BOOK 93, PAGE 90 OF UNION COUNTY RECORD OF DEEDS.

INITIAL SURVEY WORK WAS PERFORMED ON MAY 11 AND 12, 2008 BY SETTING CONTROL, RECOVERING EXISTING MONUMENTS AND FIELD TIEING EXISTING PHYSICAL FEATURES ON THE PROPERTY. A SECOND VISIT TO THE SITE ON MAY 12, 2009 COMPLETED THE SURVEY BY SETTING PROPERTY CORNER MONUMENTS.

CONTROL FOR THIS SURVEY WAS A 5/8" X 30" IRON ROD WITH BRASS CAP SET ON MAY 11, 2008 ON THE PROPERTY ADJACENT TO THE EXISTING FENCE ALONG THE WESTERLY PROPERTY LINE. THIS LOCATION WAS NEAR THE HIGHEST ELEVATION ON THE PROPERTY AND WAS INTERVISIBLE WITH MOST OF THE PROPERTY AND THE QUARTER SECTION CORNER TO THE SOUTH. AN OPUS POSITION WAS ESTABLISHED ON THIS POINT BY DATA COLLECTED OVER 4 HOURS UTILIZING A NAD 83 CORS 96 EPOCH 2002 SOLUTION.

THE BASIS OF BEARING OF THE PROJECT IS THE OREGON COORDINATE SYSTEM OF 1983, NORTH ZONE. DATA WAS PROCESSED TO A LOCAL DATUM PLANE (LDP) WHICH IS RELATIVE TO THE OREGON COORDINATE SYSTEM OF 1983, NORTH ZONE, WITH RESPECT TO THE LOCAL LATITUDE AND GROUND ELEVATION. THE LDP COORDINATES DEFINE TRUE GROUND DISTANCES. TO CONVERT THE LDP COORDINATES TO THE OREGON COORDINATE SYSTEM OF 1983, NORTH ZONE, MULTIPLY THE LDP COORDINATES BY 0.99972963.

THE DESCRIPTION OF THE PROPERTY FOUND IN THE SHERIFF'S DEED RECORDED IN BOOK 93, PAGE 90, BEGINS ON THE WEST LINE OF SECTION 30, TOWNSHIP 6 SOUTH, RANGE 39 EAST AT A POINT 1,789.2 FEET NORTH OF THE WEST QUARTER CORNER OF THE SECTION. THE DESCRIPTION THEN RUNS NORTH ALONG THE WEST LINE OF THE TOWNSHIP 4,220.8 FEET; THENCE SOUTH 62 DEGREES EAST 1,300 FEET; THENCE SOUTH PARALLEL WITH THE WEST LINE OF THE TOWNSHIP 3,630.2 FEET; THENCE WEST 1,148 FEET TO THE POINT OF BEGINNING. THE CLOSING CALL OF WEST 1,148 FEET FELL 19.71 FEET SOUTH AND 0.17 FEET WEST OF THE POINT OF BEGINNING.

A SEARCH OF COUNTY RECORDS FOUND THAT BLACKMAN RESET THE WEST QUARTER CORNER OF SECTION 30 AND THE WEST QUARTER CORNER OF SECTION 18 IN 1998. THIS SURVEY WAS FILED AS SURVEY NO. 011-1998. BOTH MONUMENTS WERE RECOVERED AND DOUBLE OCCUPIED BY REALTIME KINEMATIC (RTK) METHODS WITH RELATIONSHIP TO AFOREMENTIONED OPUS POINT. NO OTHER EXISTING MONUMENTS OF RECORD WERE FOUND IN THE AREA.

THE DEED BOUNDARY WAS RESOLVED BY BEGINNING AT THE WEST QUARTER CORNER OF SECTION 30 SET BY BLACKMAN'S SURVEY, RUNNING THE DEED CALLS, THEN ROTATING THE DEED BOUNDARY TO THE ESTABLISHED BEARING OF THE LINE BETWEEN THE WEST QUARTER CORNER OF SECTION 30 AND THE WEST QUARTER CORNER OF SECTION 18. THE CLOSING CALL OF THE DEED, "WEST 1148 FEET", WAS FOUND TO FALL 19.71 FEET SOUTH AND 0.17 FEET WEST OF THE POINT OF BEGINNING. SINCE THE CLOSING CALL OF THE DEED WAS TO THE PLACE OF BEGINNING REGARDLESS OF THE DIRECTION OF THE CALL, THE SOUTH LINE OF THE BOUNDARY WAS FORCED CLOSED TO THE POINT 1789.20 FEET NORTHERLY OF THE WEST QUARTER CORNER OF SECTION 30. THIS RESULTED IN AN ANGULAR DIFFERENCE OF 0° 59' 02" BETWEEN THE CARDINAL DEED CALL OF WEST AND ACTUAL CLOSING BEARING.

THE CORNERS OF THE PROPERTY WERE THEN MONUMENTED IN MAY, 2009 BY SETTING 5/8" X 30" IRON RODS WITH ALUMINUM CAPS MARKED "OREG DEPT OF TRANS" AT THE NORTHWEST CORNER, THE NORTHEAST CORNER AND THE SOUTHWEST CORNER OF THE PROPERTY. THE SOUTHWEST CORNER OF THE PROPERTY FELL IN ELLIS COUNTY ROAD AND WAS NOT SET. A 5/8" X 30" REBAR WITH ALUMINUM CAP MARKED "OREG DEPT OF TRANS" WAS SET AS A REFERENCE TO THE SOUTHWEST CORNER ALONG THE SOUTH LINE OF THE PROPERTY 25.00 FEET EASTERLY FROM THE SOUTHWEST CORNER. ALL MONUMENTS WERE SET BY RTK METHODS IN RELATIONSHIP TO THE IRON ROD PREVIOUSLY SET FOR CONTROL WITH THE AFOREMENTIONED OPUS POSITION AND VERIFIED BY DOUBLE OCCUPANCY.

NARRATIVE

SET MONUMENT LIST + MONUMENT SET 5/12/2009 ++ MONUMENT SET 5/11/2008

PT. NO.	LDP NORTHING	LDP EASTING	DESCRIPTION	
5001	503169.92	8852601.02	FELL IN COUNTY ROAD, POINT NOT SET	
5002	507388.89	8852476.81	5/8" X 30" IRON ROD W/ALUMINUM CAP MARKED "OREG DEPT OF TRANS"	+
5003	506812.62	8853642.10	5/8" X 30" IRON ROD W/ALUMINUM CAP MARKED "OREG DEPT OF TRANS"	+
5004	503183.99	8853748.94	5/8" X 30" IRON ROD W/ALUMINUM CAP MARKED "OREG DEPT OF TRANS"	+
5005	503170.22	8852626.02	5/8" X 30" IRON ROD W/ALUMINUM CAP MARKED "OREG DEPT OF TRANS"	+
GPS1	504293.463	8852580.781	5/8" X 30" IRON ROD W/1/2" BRASS CAP MARKED "ODOT CONTROL GPS1"	++

LEGEND

●	SET PROPERTY CORNER	—	PROPERTY LINE
○	FOUND MONUMENT	- - - -	EDGE GRAVEL ROAD
★	SET GPS CONTROL POINT	- X -	FENCE
()	RECORD DATA PER DEED BK 93 PG 90	○	SET MONUMENT POINT NUMBER
[]	RECORD DATA PER 00 COUNTY SURVEY NO. 011-1998	- A E -	OVERHEAD POWER LINES
		■	POWER POLE

REGISTERED PROFESSIONAL LAND SURVEYOR

Scott Richard Morrison

OREGON
JULY 19, 1994
SCOTT RICHARD MORRISON
2674

RENEWS: 12/31/2010

SCALE 1" = 300'

UNION COUNTY SURVEYOR

Date Received 7/2/09

Date Filed 7/2/09

By R. Robinson Deputy

File No. 014-2009

ENGLISH OREGON DEPARTMENT OF TRANSPORTATION

DEPARTMENT OF STATE LANDS
NORTH POWDER BOUNDARY SURVEY
TAX LOT 06S-39E-3300
UNION COUNTY

ODOT GEOMETRONICS UNIT
200 HAWTHORNE AVENUE SE SUITE B-250
SALEM, OR 97301-5193

JUNE, 2009
SCALE: 1" = 300'