

Map of Survey

Located In:
**NE 1/4 of Section 30, T 36 S, R 2 W,
 W.M., Jackson County, Oregon**

**** RECEIVED ****
 DATE 1-6-10 BY HB
 This survey consists of:
2 sheet(s) Map
0 page(s) Narrative
 JACKSON COUNTY
 SURVEYOR

Narrative:
 The purpose of this survey is establish horizontal and vertical control through the project limits, to recover all monuments of record that are threatened of being disturbed or destroyed by this proposed roadway improvement project and to resolve the right of way location for a portion of Blackwell Road.

Found monuments 1001, 1004 and 1005 were used to control the location of the Blackwell Road right of way using the record geometry per ODOT DRG. 3B-02-9, then rotating the geometry to fit said monuments.

The field position of monument 1002 looked disturbed and thought to be unlikely to be in the original location, thus was not held for this survey. See the monument table shown on this survey for the found monument locations in reference to the center line of Blackwell Road.

Found monuments 1001 and 1006 were used to define the easterly north-south line of tax lot 100. A boundary of the entire property of tax lot 100 was not performed. Record positions were used to determine the remaining portion of tax lot 100.

Survey Datum:
 Horizontal datum: NAD83, (CORS96), Epoch 2002

Vertical Datum: NAVD88

Procedure: A GPS static sessions of atleast 2 hours in duration on network points 2 and 3 to obtain a OPUS solution per the National Geodetic Survey website. These metric State Plane Coordinates (SPC) were converted US feet, then converted to a Local Datum Plane (LDP) to represent true ground distances. The Combined Scale Factor (CSF) used is 0.99992126 in the following formula: (SPC/CSF=LDP).

Digital levels were run thru all network points using network point 3 as the project benchmark. Field work was completed in October, 2009

Survey For:
 Jackson County Parks and Roads
 200 Antelope Road
 White City, OR 97503

Survey By:
 HBH Consulting Engineers
 4497 Brownridge Terrace, Suite 202
 Medford, OR 97504

Network Control Inverses

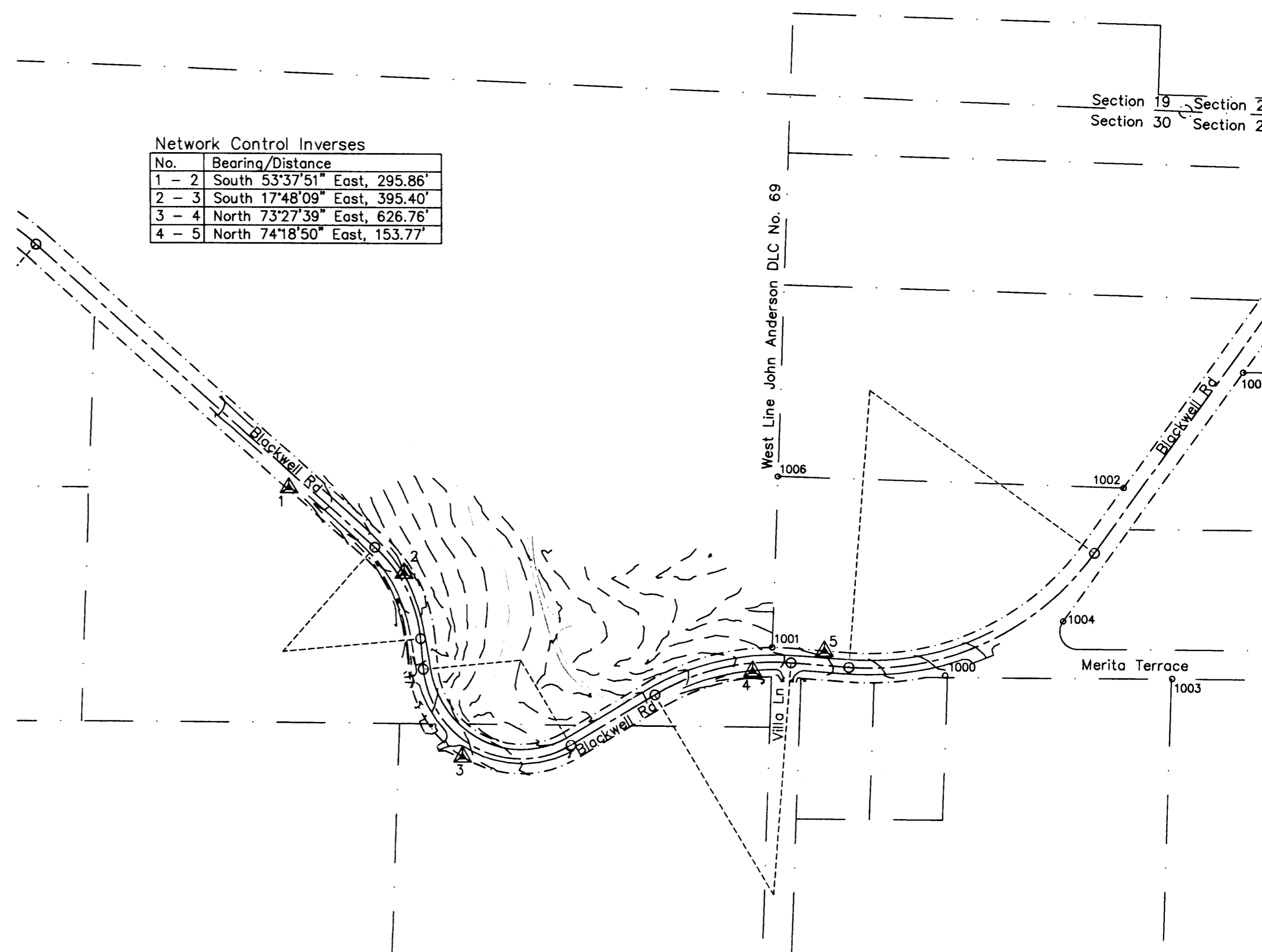
No.	Bearing/Distance
1 - 2	South 53°37'51" East, 295.86'
2 - 3	South 17°48'09" East, 395.40'
3 - 4	North 73°27'39" East, 626.76'
4 - 5	North 74°18'50" East, 153.77'

Network Control Coordinate Table

No.	Northing	Easting	Elevation	Description
1	283093.60	4251825.40	1353.81	Set 5/8"x24" Rebar with Orange Plastic Cap "HBH Consulting"
2	282918.16	4252063.63	1334.63	Set 5/8"x24" Rebar with Orange Plastic Cap "HBH Consulting"
3	282541.69	4252184.52	1319.02	Set 5/8"x24" Rebar with Orange Plastic Cap "HBH Consulting"
4	282720.11	4252785.35	1282.24	Set 5/8"x24" Rebar with Orange Plastic Cap "HBH Consulting"
5	282761.68	4252933.39	1272.68	Set 5/8"x24" Rebar with Orange Plastic Cap "HBH Consulting"

Found Monument Coordinate Table

No.	Northing	Easting	Station	Offset	Description
1000	282,712.07	4,253,182.34	283+46.62	35.03' Left	1/2" Inside Dia., Flush, Per Survey No. 1763
1001	282,768.75	4,252,825.58	286+96.30	30.00' Right	5/8" Rebar, Cap Not Legible, Per Survey No. 10334
1002	283,098.17	4,253,551.50	278+09.58	29.48' Right	5/8" Rebar, Cap Not Legible, Per Survey No. 10563, Unstable
1003	282,705.78	4,253,651.67	N/A	N/A	1/2" Inside Dia., Flush, Per Survey No. 1763
1004	282,823.55	4,253,426.05	280+95.17	48.66' Left	1/2" Inside Dia., Flush, Per Survey No. 1763
1005	283,337.19	4,253,797.87	274+71.51	30.00' Left	1/2" Inside Dia., Flush, Bent Northerly, Per Survey No. 1763
1006	283,121.31	4,252,837.05	N/A	N/A	5/8" Rebar, Cap Marked "D.A. Edwards RPLS 2339", Per Survey No. 10563



T36S, R2W, S30A, TL 100

0" = 1"
 IF THIS LINE IS NOT 1 INCH
 DRAWING SCALE IS NOT
 AS SHOWN

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
John R. Pariani
 OREGON
 July 13, 1989
 JOHN R. PARIANI
 51382
 Renums: December 31, 2010

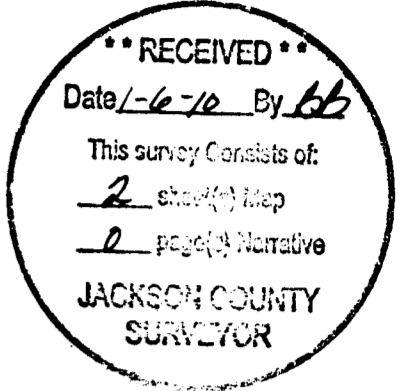
Cover Sheet
 Survey Narrative and Control Network

H B H 4497 Brownridge Terrace, Suite 202
 Medford, Oregon 97504
 Consulting 541/779-5216 fax 541/776-7376
 Engineers www.hbh-engineers.com

Drawn By: JRP Checked By: TAO Scale: 1"=200' Project No: 2009-042
 File: Blackwell Road Boundary.dwg Date: December 17, 2009

Map of Survey

Located In:
**NE 1/4 of Section 30, T 36 S, R 2 W,
W.M., Jackson County, Oregon**



T36S, R2W, S 30, Tax Lot 100
Allen J. and Patricia Ellen Brummett
Instrument No. 1998-34221

T36S, R2W, S 30, Tax Lot 2000

T36S, R2W, S 30, Tax Lot 1001

T36S, R2W, S 30, Tax Lot 199
Jackson County
Instrument No. 2008-000117

T36S, R2W, S 30, Tax Lot 2100

T36S, R2W, S 30, Tax Lot 1500

T36S, R2W, S 30, Tax Lot 1200
CLAMS LLC, an Oregon Limited Liability Company
Instrument No. 2009-009984

Center Line Curve:
Radius=286.48'
Length=215.42'
Delta=43°05'00"
(D=20' C.L.)

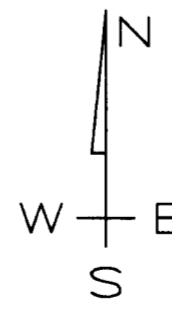
Center Line Curve:
Radius=202.22'
Length=407.82'
Delta=115°33'00"
(D=28'20' C.R.)

Center Line Curve:
Radius=477.46'
Length=293.61'
Delta=35°14'00"
(D=12' C.L.)

Legend:

- EXISTING GROUND CONTOURS, 5' INTERVALS
- ==== EXISTING EDGE OF PAVEMENT ROADWAY
- EXISTING EDGE OF GRAVEL DRIVEWAY
- - - - - RESOLVED RIGHT OF WAY CENTER LINE
- RIGHT OF WAY LINE
- CENTER LINE RADIAL LINES
- PROPERTY LINES - APPROXIMATE
- () RECORD DATA PER ODOT DRG. No. 3B-2-9
- FOUND MONUMENT-SEE TABLE ON SHEET 1
- △ SET SURVEY NETWORK POINT-SEE TABLE ON SHEET 1

Topographic Features Shown are From a Field Survey Completed in October 2009.



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AS SHOWN

REGISTERED PROFESSIONAL LAND SURVEYOR

John R. Pariani

OREGON
July 13, 1999
JOHN R. PARIANI
51382
Renews: December 31, 2010

Monument Recovery, Network and Right of Way Retracement Survey

H B H 4497 Brownridge Terrace, Suite 202
Medford, Oregon 97504
Consulting 541/779-5216 fax 541/776-7376
Engineers www.hbh-consulting.com

Drawn By: JRP Checked By: TAO Scale: 1"=60' Project No: 2009-042
File: Blackwell Road Boundary.dwg Date: December 17, 2009

T36S, R2W, S30A, TL 100