

RECORD OF SURVEY  
FOR  
BENTON COUNTY

LOCATED IN THE DAVID HENDERSON DONATION LAND CLAIM NO. 46, WYMAN ST. CLAIR DONATION LAND CLAIM NO. 47, NORRICE P. NEWTON DONATION LAND CLAIM NO. 44, ISAAC NEWTON DONATION LAND CLAIM NO. 37, HENRY PENLAND DONATION LAND CLAIM NO. 45, AND THE WILLIAM WYAT DONATION LAND CLAIM NO. 48 IN SECTIONS 1, 12, AND 13 IN TOWNSHIP 12 SOUTH, RANGE 6 WEST AND THE NORRICE P. NEWTON DONATION LAND CLAIM NO. 72, ISAAC NEWTON DONATION LAND CLAIM NO. 70, AND THE LUKE MULKEY DONATION LAND CLAIM NO. 37 IN SECTION 6, TOWNSHIP 12 SOUTH, RANGE 5 WEST AND THE LUKE MULKEY DONATION LAND CLAIM NO. 37 IN SECTION 36, TOWNSHIP 11 SOUTH, RANGE 6 WEST AND THE LUKE MULKEY DONATION LAND CLAIM NO. 58 AND THE JOHNSON MULKEY DONATION LAND CLAIM NO. 57 IN SECTIONS 31 AND 32, TOWNSHIP 11 SOUTH, RANGE 5 WEST, WILLAMETTE MERIDIAN, BENTON COUNTY, OREGON.

MARCH 10, 1989

NARRATIVE

BACKGROUND AND PURPOSE

BENTON COUNTY IS IN THE PROCESS OF DEVELOPING A COUNTY WIDE GEOGRAPHIC INFORMATION SYSTEM (GIS). ONE OF THE ESSENTIAL PARTS OF A GIS IS A COORDINATE GRID SYSTEM TO BE USED AS THE BASE LAYER FOR THE ENTIRE GIS.

BENTON COUNTY AND THE UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT (BLM) ARE WORKING JOINTLY IN DEVELOPING STATE PLANE COORDINATES FOR ALL GOVERNMENT CORNERS IN BENTON COUNTY. BENTON COUNTY CONTRACTED DAVID EVANS AND ASSOCIATES, INC. TO ESTABLISH ELEVEN FIRST ORDER CONTROL POINTS. THESE POINTS WERE ESTABLISHED BY USING THE STATE-OF-THE-ART CONTROL SURVEYING TECHNOLOGY CALLED GLOBAL POSITIONING SYSTEM (GPS). THESE POINTS ARE IDENTIFIED AS GPS CONTROL POINTS AS SHOWN.

THE OREGON STATE PLANE COORDINATE VALUES GENERATED BY BLM ARE COMPUTED COORDINATES ESTABLISHED FROM THE BEST AVAILABLE EVIDENCE ON FILE IN THE RECORDS OF THE COUNTY SURVEYOR, SUCH AS SURVEYS, GOVERNMENT NOTES, ETC.

THE PURPOSE OF THIS SURVEY IS TO TIE THE GOVERNMENT CORNERS AND ESTABLISH ACCURATE STATE PLANE COORDINATE VALUES, ON THESE GOVERNMENT CORNERS, USING THE ESTABLISHED GPS CONTROL POINTS. THE STATE PLANE COORDINATE VALUES WILL BE INCORPORATED INTO THE BENTON COUNTY COORDINATE GRID SYSTEM.

COORDINATE SYSTEM

THE COORDINATE SYSTEM USED FOR THIS SURVEY IS THE LAMBERT CONFORMAL CONIC PROJECTION OREGON NORTH ZONE (NAD 27). ALL BEARINGS AND DISTANCES SHOWN ON THIS SURVEY ARE GRID BEARINGS AND GRID DISTANCES UNLESS OTHERWISE NOTED. THE COMBINED FACTOR SHOWN FOR EACH LINE IS THE COMBINED SEA LEVEL FACTOR AND SCALE FACTOR.

EQUIPMENT USED AND FIELD PROCEDURE

THE EQUIPMENT USED FOR THIS SURVEY WAS A WILD T-2002 AND DISS. ALL TRAVERSE POINTS ARE BRASS CAPS OR 5/8 INCH IRON RODS UNLESS OTHERWISE SHOWN. ALL TRAVERSE POINTS WERE RUN FROM TRIPOD TO TRIPOD.

BASIS OF BEARINGS

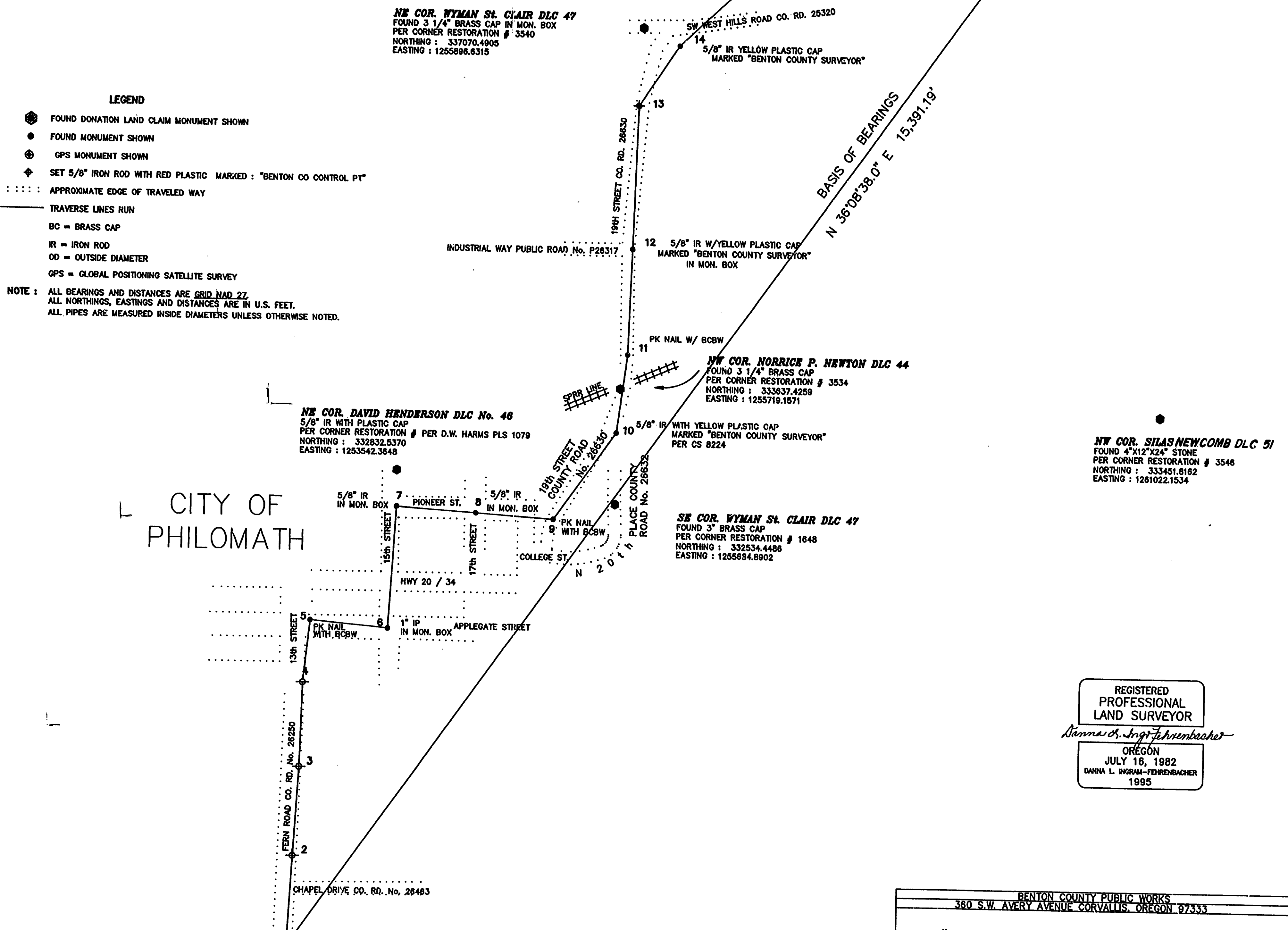
THE BASIS OF BEARINGS FOR THIS SURVEY WAS DETERMINED FROM THE BRASS CAP AT GPS STATION "CHAP", CONTROL POINT NO. 1, ALONG THE EAST SIDE OF FERN ROAD, COUNTY ROAD NO. 28250, AND THE BRASS CAP AT GPS STATION "BALD", CONTROL POINT NO. 17 ON TOP OF BALD HILL.

No.	Direction	Length	Combined Factor
1			
2	N 3°13'14.5"E	849.72	0.99994320
3	N 3°26'39.7"E	853.36	0.99994320
4	N 1°34'31.7"E	800.53	0.99994321
5	N 6°05'39.7"E	603.72	0.99994326
6	S84°54'26.4"E	761.62	0.99994343
7	N 3°31'12.5"E	1159.74	0.99994312
8	S86°14'43.1"E	780.07	0.99994343
9	S86°20'50.9"E	760.91	0.99994343
10	N35°51'51.2"E	1033.52	0.99994320
11	N 7°39'16.3"E	743.30	0.99994323
12	N01°52'00.9"E	1012.87	0.99994316
13	N 1°43'53.2"E	1363.17	0.99994306
14	N34°15'14.3"E	695.76	0.99994327
15	N47°10'25.7"E	2957.44	0.99994287
16	N58°32'55.2"E	3316.71	0.99994294
17	N78°28'41.3"E	363.79	0.99994340

Benton County  
Surveyor's Office  
CS file # 8274  
FILE DATE 5-19-1989  
FILE SIZE 24 X 36



- LEGEND**
- FOUND DONATION LAND CLAIM MONUMENT SHOWN
  - FOUND MONUMENT SHOWN
  - ⊕ GPS MONUMENT SHOWN
  - ◆ SET 5/8" IRON ROD WITH RED PLASTIC MARKED "BENTON CO CONTROL PT"
  - ⋯ APPROXIMATE EDGE OF TRAVELED WAY
  - TRAVERSE LINES RUN
  - BC = BRASS CAP
  - IR = IRON ROD
  - OD = OUTSIDE DIAMETER
  - GPS = GLOBAL POSITIONING SATELLITE SURVEY
- NOTE: ALL BEARINGS AND DISTANCES ARE GRID NAD 27.  
ALL NORTHINGS, EASTINGS AND DISTANCES ARE IN U.S. FEET.  
ALL PIPES ARE MEASURED INSIDE DIAMETERS UNLESS OTHERWISE NOTED.



GPS STATION: "BALD"  
FOUND 3 1/2" BRASS CAP ON 3" IP 3' ABOVE GROUND  
LATITUDE: N 44°33'56.80655"  
LONGITUDE: W 123°20'01.51400"  
ϕ = -2°00'34.77113"  
COMBINED FACTOR: 0.99991345  
ELEVATION: 755.40  
NORTHING: 340721.0228  
EASTING: 1261605.9598

NW COR. ABIAATHER NEWTON DLC No. 48  
FD 1" IRON PIPE  
NORTHING: 1258669.29875  
EASTING: 339131.8320  
TRANSPOSED

SW COR. JOHNSON MULKEY DLC 67  
FD 3 1/4" BRASS CAP  
PER CORNER RESTORATION # 3445  
NORTHING: 340699.1045  
EASTING: 1261056.9605

NE COR. ISAAC NEWTON DLC No. 70  
FD 1" IRON PIPE  
NORTHING: 1258652.94847  
EASTING: 338868.2156  
TRANSPOSED

NE COR. WYMAN St. CLAIR DLC 47  
FOUND 3 1/4" BRASS CAP IN MON. BOX  
PER CORNER RESTORATION # 3540  
NORTHING: 337070.4908  
EASTING: 1255896.6315

NW COR. NORRICE P. NEWTON DLC 44  
FOUND 3 1/4" BRASS CAP  
PER CORNER RESTORATION # 3534  
NORTHING: 333637.4259  
EASTING: 1255719.1571

NE COR. DAVID HENDERSON DLC No. 46  
5/8" IR WITH PLASTIC CAP  
PER CORNER RESTORATION # PER D.W. HARMS PLS 1079  
NORTHING: 332832.5370  
EASTING: 1253542.3646

SE COR. WYMAN St. CLAIR DLC 47  
FOUND 3" BRASS CAP  
PER CORNER RESTORATION # 1648  
NORTHING: 332534.4488  
EASTING: 1255684.6902

NW COR. SILAS NEWCOMB DLC 51  
FOUND 4"x12"x24" STONE  
PER CORNER RESTORATION # 3546  
NORTHING: 333451.8162  
EASTING: 1261022.1534

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
Danna L. Ingram-Fehrenbacher  
OREGON  
JULY 16, 1982  
DANNA L. INGRAM-FEHRNBACHER  
1995

BCBW = BENTON COUNTY BRASS WASHER  
ALL PIPE DIAMETERS ARE INSIDE DIAMETERS UNLESS OTHERWISE STATED.  
MON. BOX = MONUMENT BOX  
IP = IRON PIPE

BENTON COUNTY PUBLIC WORKS 380 S.W. AVERY AVENUE CORVALLIS, OREGON 97333	
"CHAP" TO "BALD" CONTROL SURVEY	
COUNTY SURVEYOR: DANNA INGRAM-FEHRNBACHER	PROJECT MANAGER: RAY WILSON
SCALE: 1" = 600'	DRAWN BY: R J ZIMMER
DATE: MARCH 25, 1989	DRAWING FILE NAME: CHAPBALD
REVISED: 5-15-89	SHEET 1 OF 1

GPS STATION: "CHAP"  
FOUND 3 1/4" BRASS CAP IN CONCRETE  
LATITUDE: N 44°31'50.78424"  
LONGITUDE: W 123°22'00.73780"  
ϕ = -2°01'59.32289"  
COMBINED FACTOR: 0.9999  
ELEVATION: 265.802  
NORTHING: 329292.0472  
EASTING: 1232528.0074

CS 3274

M-166100-93

**AFFIDAVIT OF CORRECTION (Survey)**

I, Danna Barnhart, being duly sworn, depose and say that I am the surveyor who surveyed the property as depicted, filed and recorded in C.S. 8274, Benton County, Oregon Survey Records; and

The following correction(s) to said survey is(are) necessary and is(are) as follows:

- 1. The Northings and Eastings were transposed on the northwest corner Abiather Newton DLC No. 42.

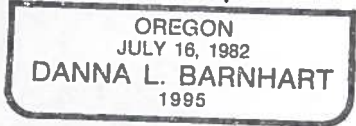
NORTHING: 1258669.2987 should be NORTHING: 339131.8320  
 EASTING: 339131.8320 should be EASTING: 1258669.2987

- 2. The Northings and Eastings were transposed on the northeast corner Isaac Newton DLC No. 70.

NORTHING: 1258652.9484 should be NORTHING: 338868.2156  
 EASTING: 338868.2156 should be EASTING: 1258652.9484



*Danna L. Barnhart*



*Danna L. Barnhart*

Registered Professional Land Surveyor # 1995

**NOTARY CERTIFICATE**

State of Oregon        )  
                                   ) ss  
 County of Benton     )

Subscribed and sworn to before me this 24 day of June, 1993.



*Helen Campbell*  
 Notary Public for the State of Oregon

**APPROVAL**

I, Danna L. Barnhart, Benton County Surveyor, do hereby certify that said Affidavit of Correction for C.S. 8274 has been examined by me and that it complies with O.R.S. 209.255.

*Danna L. Barnhart*  
 Danna L. Barnhart  
 Benton County Surveyor

✓ After Recording Return to:  
Benton County Public Works

PW 6375/50/PC1 June 24, 1993

STATE OF OREGON } ss. **155500**  
 County of Benton }

I hereby certify that the within instrument was received for record.

'93 JUN 25 AM 9 34

AND ASSIGNED        No 166100        1993

In the microfilm records of said county  
Witness My Hand and Seal of County Affixed

DANIEL G. BURK  
 Director Of Records & Elections

By *[Signature]* Deputy