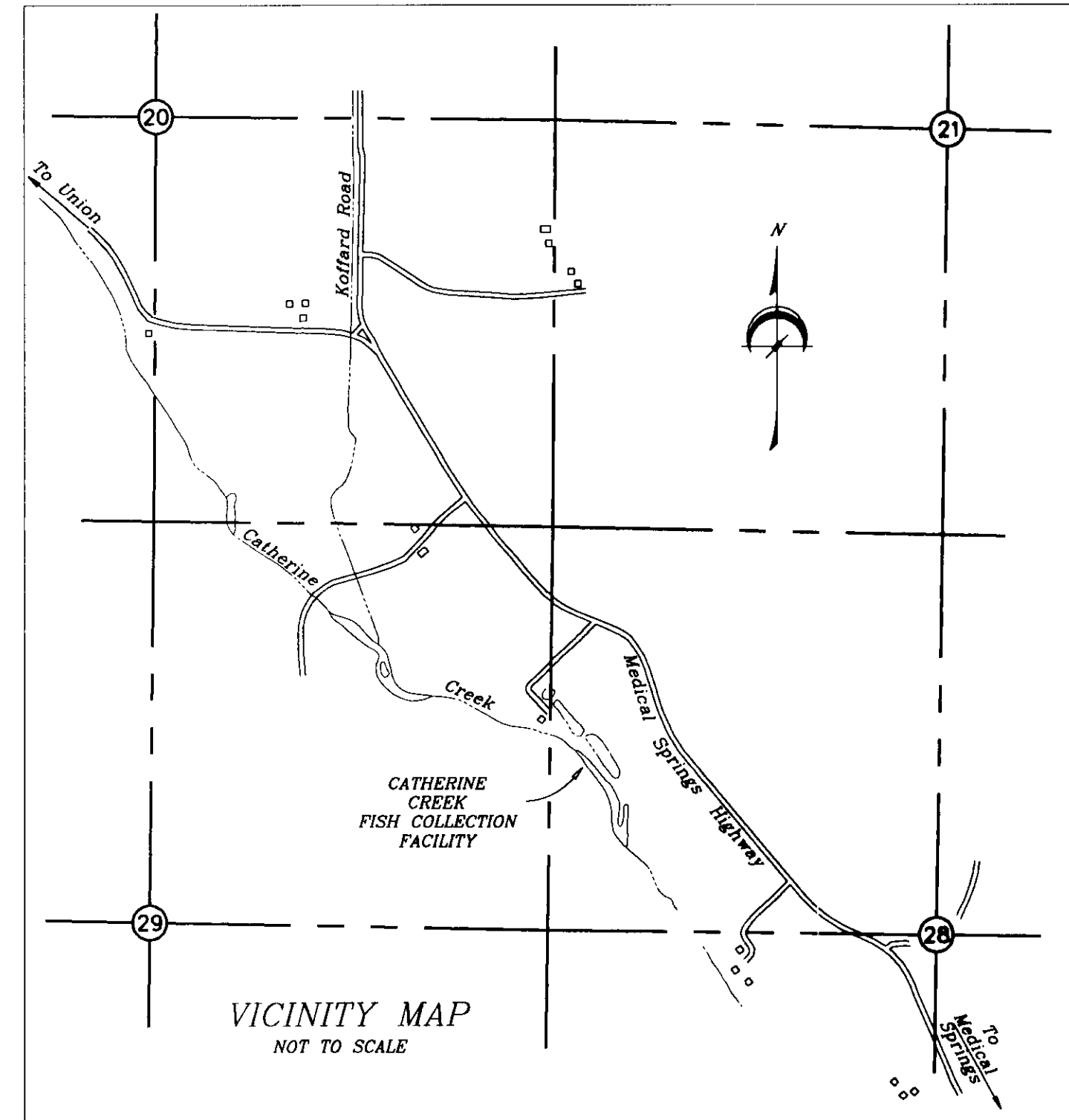


**RECORD OF SURVEY FOR PROPERTY LINE ADJUSTMENT
FOR
CATHERINE CREEK FISH COLLECTION FACILITY**

A Survey in the Northwest Quarter of Section 28 and the
Northeast Quarter of Section 29
in Township 4 South, Range 40 East of the Willamette Meridian
in Union County, Oregon



VICINITY MAP
NOT TO SCALE

UNION COUNTY
Date: 8/24/00
8/26/00
R. Robinson, DEPUTY
019-2000

REFERENCE MONUMENT NOTES:

- (A) - RP set N13°10'45"E, 1.00 feet from corner.
- (B) - RP set S33°32'33"E, 3.00 feet from corner.
- (C) - RP set S79°55'41"W, 1.00 feet from corner.
- (D) - RP set N39°19'W, 6.0 feet from corner.

RECORD OF SURVEY BONNEVILLE POWER ADMINISTRATION CATHERINE CREEK FISH COLLECTION FACILITY PROPERTY LINE ADJUSTMENT UNION COUNTY, OREGON	
Date: 7/21/00 Job No. 1918-018 Drawn By JJF/TMH Approved By MRH	FINLEY ENGINEERING COMPANY, INC. Twin Oaks Suite B-250 1800 NW 169th Place BEAVERTON, OREGON 97006 Phone: (503) 466-9460 Fax: (503) 466-9979
SCALE: 1" = 100'	SHEET 1 OF 2 CATHTRAP REV. 00

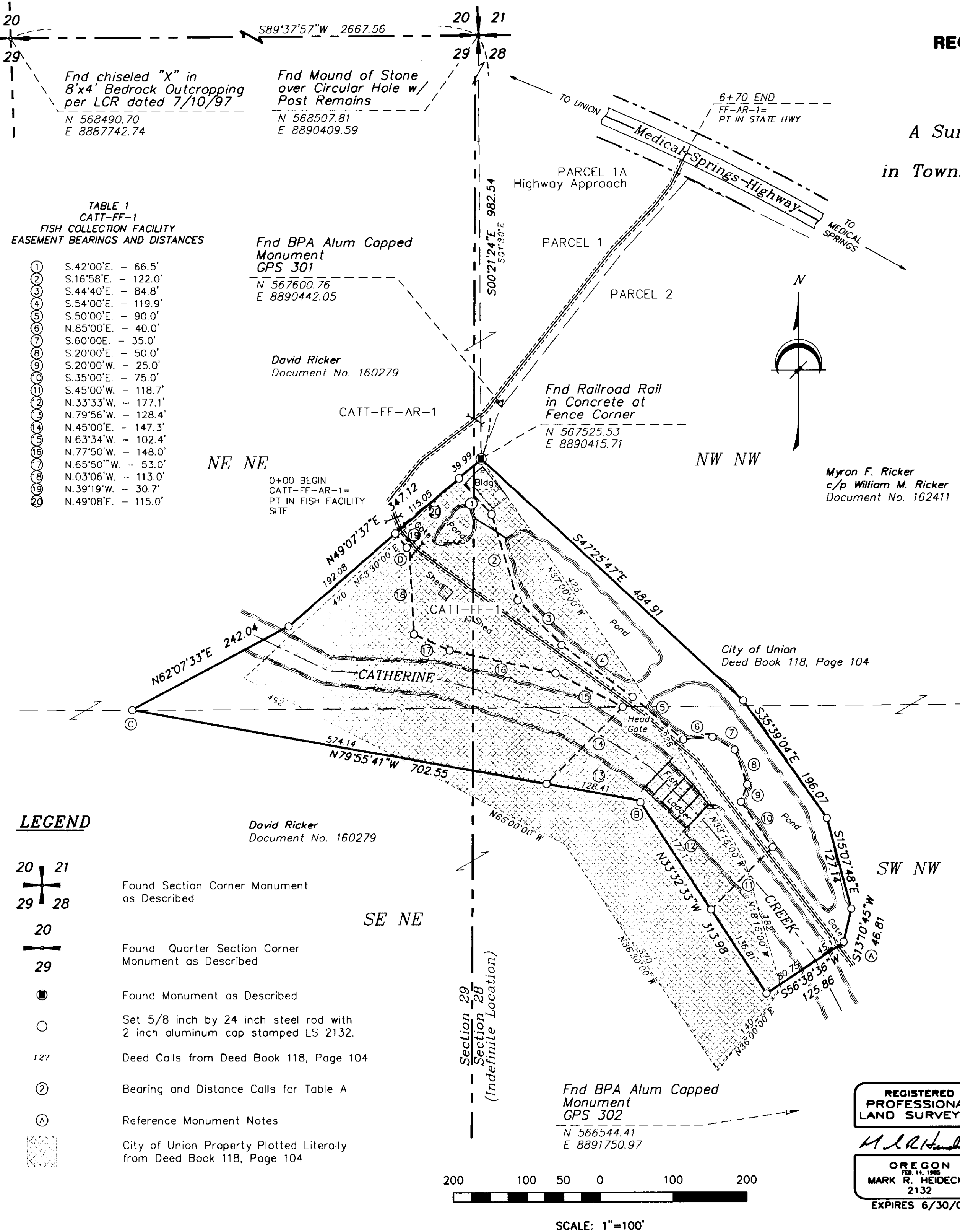
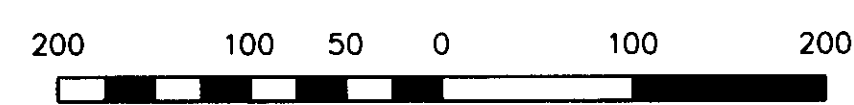


TABLE 1
CATT-FF-1
FISH COLLECTION FACILITY
EASEMENT BEARINGS AND DISTANCES

1	S.42°00'E. - 66.5'
2	S.16°58'E. - 122.0'
3	S.44°40'E. - 84.8'
4	S.54°00'E. - 119.9'
5	S.50°00'E. - 90.0'
6	N.85°00'E. - 40.0'
7	S.60°00'E. - 35.0'
8	S.20°00'E. - 50.0'
9	S.20°00'W. - 25.0'
10	S.35°00'E. - 75.0'
11	S.45°00'W. - 118.7'
12	N.33°33'W. - 177.1'
13	N.79°56'W. - 128.4'
14	N.45°00'E. - 147.3'
15	N.63°34'W. - 102.4'
16	N.77°50'W. - 148.0'
17	N.65°50'W. - 53.0'
18	N.03°06'W. - 113.0'
19	N.39°19'W. - 30.7'
20	N.49°08'E. - 115.0'

LEGEND

- Found Section Corner Monument as Described
- Found Quarter Section Corner Monument as Described
- Found Monument as Described
- Set 5/8 inch by 24 inch steel rod with 2 inch aluminum cap stamped LS 2132.
- Deed Calls from Deed Book 118, Page 104
- Bearing and Distance Calls for Table A
- Reference Monument Notes
- City of Union Property Plotted Literally from Deed Book 118, Page 104



SCALE: 1"=100'

REGISTERED PROFESSIONAL LAND SURVEYOR
 M. R. Heidecke
 OREGON
 FEB. 14, 1985
 MARK R. HEIDECCKE
 2132
 EXPIRES 6/30/01

DATE OF SURVEY: June 23 to July 15, 2000

DATE OF CORNER RECOVERY: July 1, 1998

PURPOSE OF SURVEY AND NARRATIVE:

The purpose of this survey was to retrace and monument the boundaries of the property owned by the City of Union located in the Northwest Quarter of Section 28 and the Northeast Quarter of Section 29 in Township 4 South, Range 40 East of the Willamette Meridian as described in a Warranty Deed filed in Deed Book 118, Page 104, Official Records of Union County, Oregon. Existing monuments of record were held at the Northeast and North Quarter Corners of Section 29. No monuments were found along the section line between Sections 28 and 29 and the location of the section line was not determined.

A railroad rail was found and held for the Northeast Corner of said property as noted in Deed Book 118, Page 104. A literal interpretation of the deed calls for said parcel are in conflict with the occupation fences and do not include the City of Union's water facilities. Although the deed calls for the adjoining properties (Document Nos. 111075 and 160279) call for the most southerly corner to lie within the center of Catherine Creek, placing the most southerly corner in the creek also is in conflict with the occupational evidence.

In consultation with the City of Union and the adjoining landowners, David Ricker and William M. Ricker, the existing occupation fences surrounding the City of Union's water facilities were held as the property lines. 5/8 inch x 24 inch steel rods with 2 inch aluminum caps stamped LS 2132 were set at the property's corners.

A second purpose of the survey was to establish and monument the boundaries of an easement parcel for Bonneville Power Administration's Catherine Creek Fish Collection Facility. 5/8 inch x 24 inch steel rods with 2 inch aluminum caps stamped LS 2132 were set at the easement's corners.

No new parcels are created as a result of this property line adjustment.

BASIS OF BEARING AND COORDINATES:

The Basis of Bearing for this survey is the Oregon State Coordinate System, North Zone, (NAD 83). A bearing of S89°37'57"W was measured for the North line of the Northeast Quarter of Section 29 between the Northeast Corner of Section 28 and the North Quarter corner of Section 29.

The coordinates shown hereon are derived from a Bonneville Power Administration survey of the site based upon the Oregon State Coordinate System, North Zone, (NAD 83). The combined scale factor for the survey is 0.999755829. The distances shown hereon are ground distances.

METHOD OF SURVEY:

This survey was executed with a Wild T1600 and a Wild DI-5 EDM using Field Survey Traverse methods with a minimum closure of 1:5000.

UNION COUNTY PLANNING DIRECTOR

Harley Jenkins, II
Planning Director

SURVEYOR'S CERTIFICATE

This map correctly represents a survey made by me or under my direction in conformance with the Survey Recording Act and at the request of Bonneville Power Administration. This 31st day of July, 2000.

Mark R. Heidecke
Registered Land Surveyor
L.S. No. 2132



DESCRIPTIONS:

The City of Union, Oregon, a municipal corporation

A parcel of land located in the Northwest Quarter of Section 28 and the Northeast Quarter of Section 29 in Township 4 South, Range 40 East of the Willamette Meridian in Union County, Oregon more particularly described as follows:

Beginning at a railroad rail set in concrete that bears S.00°21'24"E., 982.54 feet from the Northwest corner of said Section 28, evidenced by a mound of stone, said railroad rail is approximately 12.2 feet northerly from the most northerly corner of the concrete reservoir belonging to the City of Union, Oregon; thence S.47°27'27"E., 484.91 feet; thence S.35°39'04"E., 196.07 feet; thence S.15°07'48"E., 127.14 feet; thence S.13°10'45"W., 46.81 feet; thence S.56°38'36"W., 125.86 feet; thence N.33°32'33"W., 313.98 feet; thence N.79°55'41"W., 702.55 feet; thence N.62°07'33"E., 242.04 feet; thence N.49°07'37"E., 347.12 feet to the point of beginning.

Containing 5.655 acres, more or less.

The Basis of Bearing for this description is the Oregon State Coordinate System, North Zone, (NAD 83). A bearing of S.89°37'57"W. was measured for the North line of the Northeast Quarter of Section 29 between said Northeast Corner of Section 29 and the North Quarter corner of Section 29, evidenced by a chiseled "X" in a 8 foot by 4 foot bedrock outcropping per LCR dated July 10, 1997.

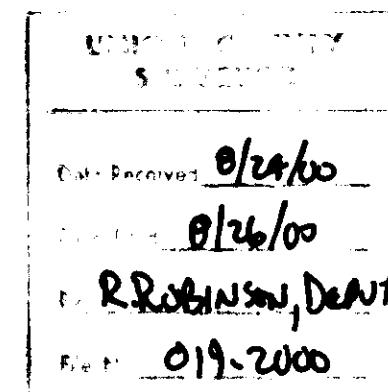
This description is written to clarify and replace the description of said parcel contained within the Deed to the City of Union recorded in Book 118 at Page 104, Deed Records of Union County, Oregon.

David Ricker

That portion of Sections 20, 28, and 29 in Township 4 South, Range 40 East of the Willamette Meridian in Union County, Oregon more particularly described as follows:

Commencing at the Northwest corner of the Southwest quarter of the Southeast Quarter of Section 20 and running thence east 21.87 chains to the center of the Union-Cornucopia County Road (said county road now being known as the Union-Medical Springs State Highway); thence southeasterly along the centerline of said highway to a point which is North 53°30' East from the most northerly corner of the parcel of land conveyed to the City of Union, Oregon, by a deed recorded in Book 118 at Page 104, Deed Records of Union County, Oregon; thence South 53°30' West along the centerline of an existing roadway to the most northerly corner of the City of Union parcel (which point is marked by a railroad rail set in concrete for a fence corner post which is S.00°21'24"E., 982.54 feet from the Northwest corner of said Section 28, evidenced by a mound of stone, and approximately 12.2 feet northerly from the most northerly corner of the concrete reservoir belonging to the City of Union); thence along the northwesterly line of said City of Union parcel N.49°07'37"W., 347.12 feet; thence continuing along the northwesterly line of said City of Union parcel S.62°07'33"W., 242.04 feet to the most westerly corner of said City of Union parcel; thence along the southwesterly line of said City of Union parcel S.79°55'41"E., 702.55 feet; thence southerly along the southwesterly line of said City of Union parcel S.33°32'33"E., 313.98 feet to the most southerly corner of said City of Union parcel; thence northeasterly along the southerly line of said City of Union parcel N.56°38'36"E., 80.75 feet to the centerline of Catherine Creek; thence southerly along the centerline of Catherine Creek to the south line of the Southwest Quarter of the Northwest Quarter of said Section 28; thence west to the Southwest corner of said Southwest Quarter of the Northwest Quarter; thence north to the southwesterly line of the City of Union Property; thence northwesterly along said southwesterly line to where it intersects the south line of the Northeast Quarter of the Northeast Quarter of Section 29; thence west to the Southwest corner of the Northeast Quarter of the Northeast Quarter of said Section 29; thence north 20 chains; thence west 20 chains; thence north 20 chains to the point of beginning.

This description was written to revise the bearing and distance calls to the City of Union parcel.



Myron F. Ricker
C/P William M. Ricker

That portion of the Northwest Quarter of Section 28 in Township 4 South, Range 40 East of the Willamette Meridian in Union County, Oregon more particularly described as follows:

Beginning at a point on the centerline of the Medical Springs Highway (formerly Union-Cornucopia County Road) which is North 43° East 7.50 chains from the Southwest corner of the Southeast Quarter of the Northwest Quarter of said Section 28; thence South 43° West 346 feet to the northeast corner of land conveyed to Earl A. McElvain and wife (Deed Book 130, Page 51, Union County); thence South 66°30' West 273.89 feet to the point of the South line of the Southwest Quarter of the Northwest Quarter of said Section 28 which is 149.33 feet west of the Southeast corner of said Southwest Quarter of the Northwest Quarter; thence West to the centerline of Catherine Creek; thence Northwesterly along the centerline of Catherine Creek to the southerly line of the parcel of land conveyed to the City of Union, Oregon, by a deed recorded in Book 118 at Page 104, Deed Records of Union County, Oregon; thence along the southerly line of said City of Union parcel N.56°38'36"E., 45.11 feet; thence along the easterly line of said City of Union parcel N.13°10'45"E., 46.81 feet; thence continuing along the easterly line of said City of Union parcel N.15°07'48"W., 127.14 feet; thence continuing along the easterly line of said City of Union parcel N.35°39'04"W., 196.07 feet; thence continuing along the easterly line of said City of Union parcel N.47°25'47"W., 484.91 feet to the most northerly corner of said City of Union parcel (which point is marked by a railroad rail set in concrete for a fence corner post which is S.00°21'24"E., 982.54 feet from the Northwest corner of said Section 28, evidenced by a mound of stone, and approximately 12.2 feet northerly from the most northerly corner of the concrete reservoir belonging to the City of Union); thence along the centerline of the roadway on a course of North 53°30' East to the centerline of the Union-Medical Springs State Highway; thence southeasterly along the centerline of said highway to the point of beginning.

This description was written to revise the bearing and distance calls to the City of Union parcel.

Bonneville Power Administration Easement
CATT-FF-1

An easement of irregular shape lying within that property conveyed to the City of Union, Oregon, by a deed recorded in Book 118 at Page 104, Deed Records of Union County, Oregon, located in the Northwest Quarter of Section 28 and the Northeast Quarter of Section 29 in Township 4 South, Range 40 East of the Willamette Meridian in Union County, Oregon. The boundaries of said easement are more particularly described as follows:

Beginning at a point on the northwesterly line of said City of Union property that bears S.49°07'37"W., 39.99 feet from the most northerly corner of said City of Union property, evidenced by a railroad rail set in concrete that bears S.00°21'24"E., 982.54 feet from the Northwest corner of said Section 28, evidenced by a mound of stone; thence S.42°00'E., 66.5 feet; thence S.16°58'E., 122.0 feet; thence S.44°40'E., 84.8 feet; thence S.54°00'E., 119.9 feet; thence S.50°00'E., 90.0 feet; thence N.85°00'E., 40.0 feet; thence S.60°00'E., 35.0 feet; thence S.20°00'E., 50.0 feet; thence S.20°00'W., 25.0 feet; thence S.35°00'E., 75.0 feet; thence S.45°00'W., 118.7 feet; thence N.33°33'W., 177.1 feet; thence N.79°56'W., 128.4 feet; thence N.45°00'E., 147.3 feet; thence N.63°34'W., 102.4 feet; thence N.77°50'W., 148.0 feet; thence N.65°50'W., 53.0 feet; thence N.03°06'W., 113.0 feet; thence N.39°19' W., 30.7 feet; thence N.49°08'E., 115.0 feet to the point of beginning.

Containing 1.64 acres, more or less.

The Basis of Bearing for this description is the Oregon State Coordinate System, North Zone, (NAD 83). A bearing of S.89°37'57"W. was measured for the North line of the Northeast Quarter of Section 29 between said Northeast Corner of Section 29 and the North Quarter corner of Section 29, evidenced by a chiseled "X" in a 8 foot by 4 foot bedrock outcropping per LCR dated July 10, 1997.

RECORD OF SURVEY
BONNEVILLE POWER ADMINISTRATION
CATHERINE CREEK FISH COLLECTION FACILITY
PROPERTY LINE ADJUSTMENT
UNION COUNTY, OREGON
FINLEY ENGINEERING COMPANY, INC.
Twin Oaks Suite B-250
1800 NW 169th Place
BEAVERTON, OREGON 97006
Phone: (503) 466-9460 Fax: (503) 466-9979
Date: 7/21/00
Job No. 1918-018
Drawn By JJF/TMH
Approved By MRH
SCALE: 1" = 100'
SHEET 2 OF 2
CATHTRAP
REV. 00