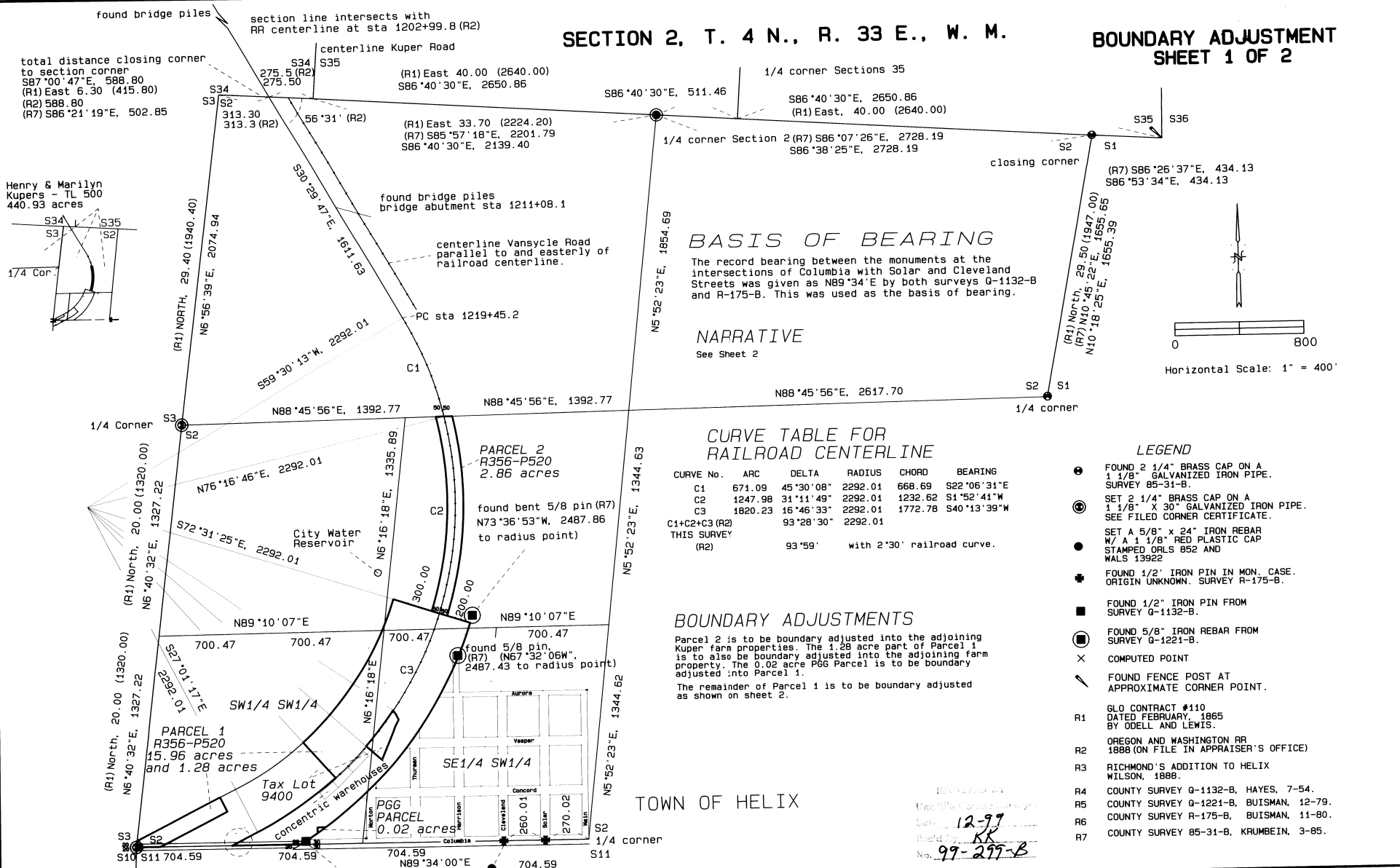


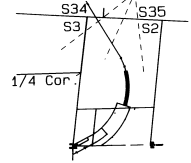
SECTION 2, T. 4 N., R. 33 E., W. M.

BOUNDARY ADJUSTMENT
SHEET 1 OF 2



total distance closing corner to section corner
 S87°00'47"E, 588.80
 (R1) East 6.30 (415.80)
 (R2) 588.80
 (R7) S86°21'19"E, 502.85

Henry & Marilyn Kupers - TL 500
 440.93 acres



BASIS OF BEARING

The record bearing with the monuments at the intersections of Columbia with Solar and Cleveland Streets was given as N89°34'E by both surveys G-1132-B and R-175-B. This was used as the basis of bearing.

NARRATIVE

See Sheet 2

CURVE TABLE FOR RAILROAD CENTERLINE

CURVE No.	ARC	DELTA	RADIUS	CHORD	BEARING
C1	671.09	45°30'08"	2292.01	668.69	S22°06'31"E
C2	1247.98	31°11'49"	2292.01	1232.62	S1°52'41"W
C3	1820.23	16°46'33"	2292.01	1772.78	S40°13'39"W
C1+C2+C3 (R2)	93°28'30"	2292.01			

THIS SURVEY (R2) 93°59' with 2°30' railroad curve.

BOUNDARY ADJUSTMENTS

Parcel 2 is to be boundary adjusted into the adjoining Kuper farm properties. The 1.28 acre part of Parcel 1 is to also be boundary adjusted into the adjoining farm property. The 0.02 acre P66 Parcel is to be boundary adjusted into Parcel 1.
 The remainder of Parcel 1 is to be boundary adjusted as shown on sheet 2.

LEGEND

- FOUND 2 1/4" BRASS CAP ON A 1 1/8" GALVANIZED IRON PIPE. SURVEY 85-31-B.
- ⊙ SET 2 1/4" BRASS CAP ON A 1 1/8" X 30" GALVANIZED IRON PIPE. SEE FILED CORNER CERTIFICATE.
- SET A 5/8" x 24" IRON REBAR W/ A 1 1/8" RED PLASTIC CAP STAMPED ORLS 852 AND WALS 13922
- ✱ FOUND 1/2" IRON PIN IN MON. CASE. ORIGIN UNKNOWN. SURVEY R-175-B.
- FOUND 1/2" IRON PIN FROM SURVEY G-1132-B.
- ⊠ FOUND 5/8" IRON REBAR FROM SURVEY G-1221-B.
- × COMPUTED POINT
- ⚡ FOUND FENCE POST AT APPROXIMATE CORNER POINT.
- R1 GLO CONTRACT #110 DATED FEBRUARY, 1865 BY ODELL AND LEWIS
- R2 OREGON AND WASHINGTON RR 1888 (ON FILE IN APPRAISER'S OFFICE)
- R3 RICHMOND'S ADDITION TO HELIX WILSON, 1888.
- R4 COUNTY SURVEY G-1132-B, HAYES, 7-54.
- R5 COUNTY SURVEY G-1221-B, BUISMAN, 12-79.
- R6 COUNTY SURVEY R-175-B, BUISMAN, 11-80.
- R7 COUNTY SURVEY 85-31-B, KRUMBELN, 3-85.

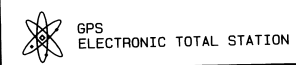
TOWN OF HELIX

REGISTERED PROFESSIONAL LAND SURVEYOR
 David L. Haddock

OREGON JULY 12, 1968
 DAVID L. HADDOCK
 R52
 RENEWS 6-30-99

David L. Haddock, Surveyor and Engineer
 P.O. Box 1574 (541) 276-2174
 Pendleton, OR. 97801

HADDOCK SURVEYING



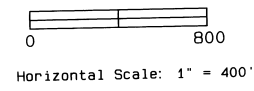
T4N, R33E, Sec. 2 Date: Mar. 31, 1999

SURVEY FOR:
 CITY OF HELIX
 % MR. HARRY SCHUENING
 PO BOX 443
 HELIX, OR 97835
 (541) 457-2521

12-97
 RK
 99-299-B

Found pin on south Railroad right of way line 29.21' north of section line and N88°00'19"E, 1072.07 of SW Cor. Sec. 2.
 (1) S89°34'W, 39.93 (2635.38)
 (8) N89°41'05"W, 2818.36
 N89°54'55"W, 2818.36

Set new pin directly over old pin deep in monument case.



NARRATIVE

This survey was performed at the request of Harry Schuening, Mayor of The City of Helix, Dennis Olsen of Quantum 9, Darrel Moon of Helix Welding and Machine, Marvin Swearingen, The Kuper Ranch, and Bill Caplinger of Pendleton Grain Growers. The purpose of the survey was to identify the former railroad grounds to be quitclaimed by the Burlington Northern and Santa Fe Railway Company to the City of Helix. The land will then be boundary adjusted and partitioned through a series partition to the other parties to the survey. The following record surveys and record deeds of Umatilla County, State of Oregon, were used in determining the location of the subject land:

Record Deeds	Record Surveys	Date	Surveyor	Number
14	141	Feb. 1865	Odell and Lewis	
245	138	1888	Oregon and Washington RR	Contract 110
344	131	Sept. 1888	Wilson	file in appraiser's office
Reel	Page	July 1954	Hayes	Richmond's Addition to the Town of Helix
24	919	Dec. 1979	Buisman	Q-1132-B
66	1407	May 1980	Harris	Q-1221-B
248	1074	Nov. 1980	Buisman	R-117-B
271	1332	March 1985	Krumbein	R-175-B
356	520			85-31-B

RAILROAD ALIGNMENT

The railroad alignment was determined by the old railroad survey and ties to still existing developments shown on those drawings. The wood pile abutments of 2 bridges on the long tangent northwesterly on Helix were found. The station of the southerly bridge piles was taken as 1211+08.1 from the RR survey. A drainage ditch remained southwesterly of Helix and was assumed to have been parallel with the original alignment. A point on the southeasterly railroad depot was taken as the found 1/2" iron rebar set by survey Q-1132-B. The two bridge centerlines, the ditch alignment, and the 1/2" iron rebar established the location of the railroad centerline. This centerline is verified by its relationship to two remaining warehouses which were constructed concentric to the railroad tracks for maintaining a uniform distance from the face of the boxcars to the face of the buildings.

SECTION CORNERS

The following monuments from record surveys were accepted: Brass caps at the northeast closing corner and the east quarter corner of Section 2; wood post at the southeast corner of Section 35; a railroad tie at the north quarter corner of section 2; and the iron rebars at the intersections of Solar and Cleveland Streets with Columbia Street:

The position of the south quarter corner of Section 2 was established by projecting a line through the two found rebars 270.02 feet easterly as indicated by survey R-117-B. The position of the southwest corner of Section 2 was established by projecting the foregoing line west 2818.35 feet as indicated on survey R-117-B. From the RR survey, the line between the two bridge abutments, the station of the south bridge abutment, the 56'31" angle between two corners from the railroad centerline of the RR survey, and the centerline of the Kuper Road, the position of the northwest closing corner of Section 2 and the southwest corner of Section 35 were established. This survey and resulting calculations using these assumptions found the railroad tie at the north quarter corner of Section 2 to be at the correct proportionate point. The point for the southwest corner of Section 35 fell at the approximate center of Kuper Road as records indicate. The intersection of a fence from the south and a fence from the west was used to establish the location of the west quarter corner of Section 2.

SURVEY EQUIPMENT USED

This survey was performed using a Leica dual frequency GPS and a Geodimeter System 600. Monuments were set using radial methods.

UTILITIES

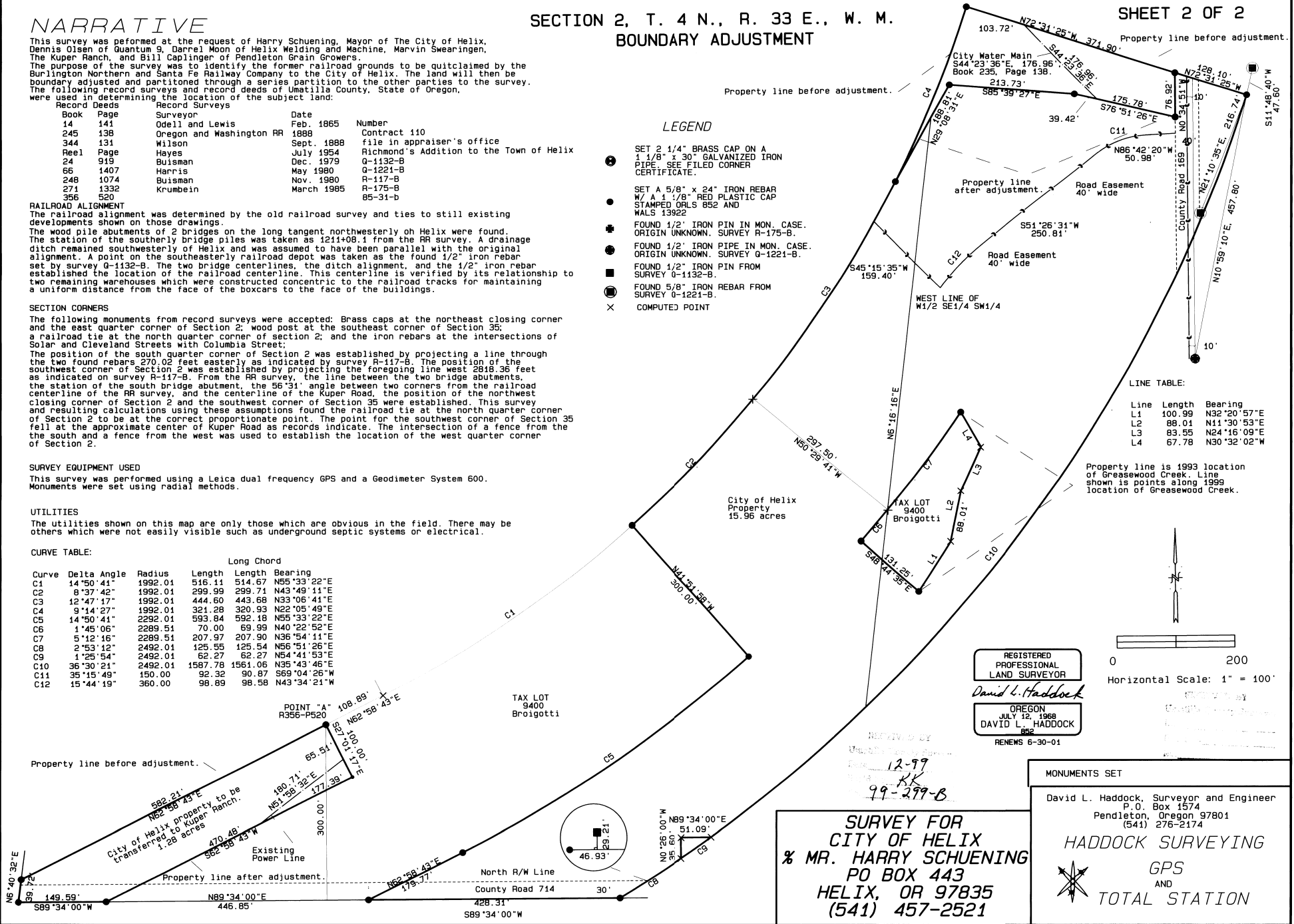
The utilities shown on this map are only those which are obvious in the field. There may be others which were not easily visible such as underground septic systems or electrical.

CURVE TABLE:

Curve	Delta Angle	Radius	Long Chord		
			Length	Length	Bearing
C1	14°50'41"	1992.01	516.11	514.67	N55°33'22"E
C2	8°37'42"	1992.01	299.99	299.71	N43°49'11"E
C3	12°47'17"	1992.01	444.60	443.68	N33°06'41"E
C4	9°14'27"	1992.01	321.28	320.93	N22°05'49"E
C5	14°50'41"	2292.01	593.84	592.18	N55°33'22"E
C6	1°45'06"	2289.51	70.00	69.99	N40°22'52"E
C7	5°12'16"	2289.51	207.97	207.90	N36°54'11"E
C8	2°53'12"	2492.01	125.55	125.54	N56°51'26"E
C9	1°25'54"	2492.01	62.27	62.27	N54°41'53"E
C10	36°30'21"	2492.01	1587.78	1561.06	N35°43'46"E
C11	35°15'49"	150.00	92.32	90.87	S69°04'26"W
C12	15°44'19"	360.00	98.89	98.58	N43°34'21"W

SECTION 2, T. 4 N., R. 33 E., W. M. BOUNDARY ADJUSTMENT

SHEET 2 OF 2



LEGEND

- SET 2 1/4" BRASS CAP ON A 1 1/8" x 30" GALVANIZED IRON PIPE. SEE FILED CORNER CERTIFICATE.
- SET A 5/8" x 24" IRON REBAR W/ A 1 1/8" RED PLASTIC CAP STAMPED ORLS 852 AND WALS 13922
- FOUND 1/2" IRON PIN IN MON. CASE. ORIGIN UNKNOWN. SURVEY R-175-B.
- FOUND 1/2" IRON PIPE IN MON. CASE. ORIGIN UNKNOWN. SURVEY Q-1221-B.
- FOUND 1/2" IRON PIN FROM SURVEY Q-1132-B.
- FOUND 5/8" IRON REBAR FROM SURVEY Q-1221-B.
- × COMPUTED POINT

LINE TABLE:

Line	Length	Bearing
L1	100.99	N32°20'57"E
L2	88.01	N11°30'53"E
L3	83.55	N24°16'09"E
L4	67.78	N30°32'02"W

Property line is 1993 location of Greasewood Creek. Line shown is points along 1999 location of Greasewood Creek.

REGISTERED PROFESSIONAL LAND SURVEYOR
David L. Haddock
OREGON JULY 12, 1968
DAVID L. HADDOCK
852
RENEWS 6-30-01

Horizontal Scale: 1" = 100'

MONUMENTS SET
David L. Haddock, Surveyor and Engineer
P.O. Box 1574
Pendleton, Oregon 97801
(541) 276-2174
HADDOCK SURVEYING
GPS AND TOTAL STATION

12-99
KK
99-299-B
**SURVEY FOR
CITY OF HELIX
% MR. HARRY SCHUENING
PO BOX 443
HELIX, OR 97835
(541) 457-2521**