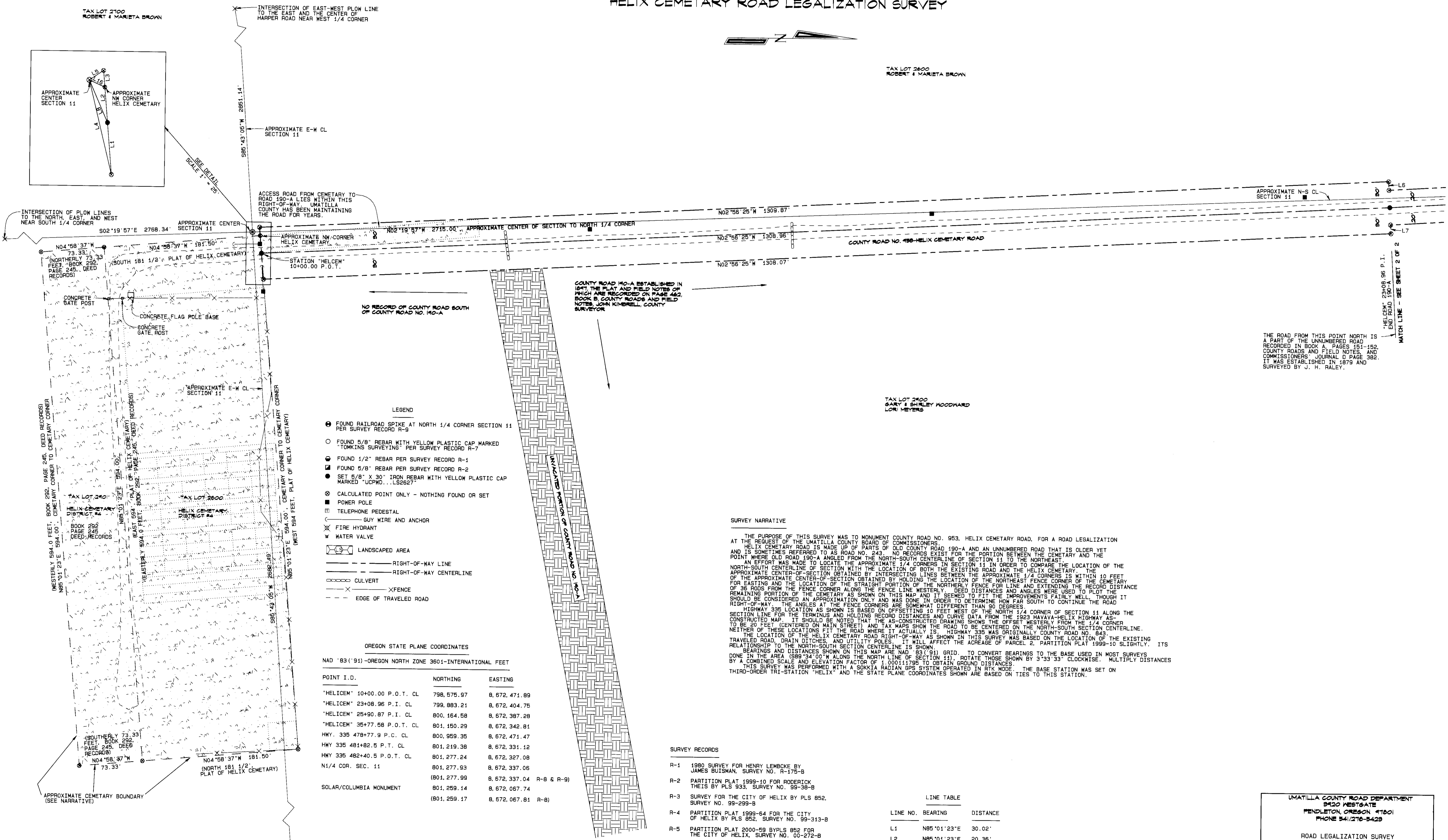
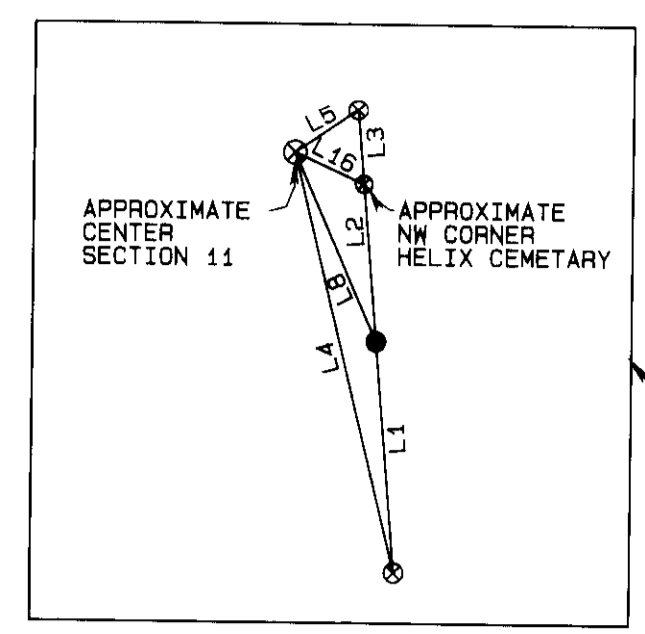


# HELIX CEMETARY ROAD LEGALIZATION SURVEY



TAX LOT 2700  
ROBERT & MARIETA BROWN

TAX LOT 2600  
ROBERT & MARIETA BROWN



- LEGEND**
- FOUND RAILROAD SPIKE AT NORTH 1/4 CORNER SECTION 11 PER SURVEY RECORD R-9
  - FOUND 5/8" REBAR WITH YELLOW PLASTIC CAP MARKED "TOMKINS SURVEYING" PER SURVEY RECORD R-7
  - FOUND 1/2" REBAR PER SURVEY RECORD R-1
  - FOUND 5/8" REBAR PER SURVEY RECORD R-2
  - SET 5/8" X 30" IRON REBAR WITH YELLOW PLASTIC CAP MARKED "UCPHD...LS2827"
  - ⊙ CALCULATED POINT ONLY - NOTHING FOUND OR SET
  - POWER POLE
  - TELEPHONE PEDESTAL
  - GUY WIRE AND ANCHOR
  - ⊕ FIRE HYDRANT
  - ⊕ WATER VALVE
  - LANDSCAPED AREA
  - RIGHT-OF-WAY LINE
  - RIGHT-OF-WAY CENTERLINE
  - CULVERT
  - FENCE
  - EDGE OF TRAVELED ROAD

**OREGON STATE PLANE COORDINATES**

NAD '83 ('91)-OREGON NORTH ZONE 3601-INTERNATIONAL FEET

| POINT I.D.                   | NORTHING     | EASTING      |
|------------------------------|--------------|--------------|
| "HELICEM" 10+00.00 P.O.T. CL | 798,575.97   | 8,672,471.89 |
| "HELICEM" 23+08.96 P.I. CL   | 799,883.21   | 8,672,404.75 |
| "HELICEM" 25+90.87 P.I. CL   | 800,164.58   | 8,672,387.28 |
| "HELICEM" 35+77.58 P.O.T. CL | 801,150.29   | 8,672,342.81 |
| HWY. 335 478+77.9 P.C. CL    | 800,959.35   | 8,672,471.47 |
| HWY 335 481+82.5 P.T. CL     | 801,219.38   | 8,672,331.12 |
| HWY 335 482+40.5 P.O.T. CL   | 801,277.24   | 8,672,327.08 |
| N1/4 CDR. SEC. 11            | 801,277.93   | 8,672,337.06 |
|                              | (801,277.99) | 8,672,337.04 |
| SOLAR/COLUMBIA MONUMENT      | 801,259.14   | 8,672,067.74 |
|                              | (801,259.17) | 8,672,067.81 |

**SURVEY NARRATIVE**

THE PURPOSE OF THIS SURVEY WAS TO MONUMENT COUNTY ROAD NO. 953, HELIX CEMETARY ROAD, FOR A ROAD LEGALIZATION AT THE REQUEST OF THE UMATILLA COUNTY BOARD OF COMMISSIONERS.

HELIX CEMETARY ROAD IS MADE UP OF PARTS OF OLD COUNTY ROAD 190-A AND AN UNNUMBERED ROAD THAT IS OLDER YET AND IS SOMETIMES REFERRED TO AS ROAD NO. 249. NO RECORDS EXIST FOR THE PORTION BETWEEN THE CEMETARY AND THE POINT WHERE OLD ROAD 190-A ANGLED FROM THE NORTH-SOUTH CENTERLINE OF SECTION 11 TO THE NORTHEAST.

AN EFFORT WAS MADE TO LOCATE THE APPROXIMATE 1/4 CORNERS IN SECTION 11 IN ORDER TO COMPARE THE LOCATION OF THE NORTH-SOUTH CENTERLINE OF SECTION 11 WITH THE LOCATION OF BOTH THE EXISTING ROAD AND THE HELIX CEMETARY. THE APPROXIMATE CENTER-OF-SECTION OBTAINED BY INTERSECTING LINES BETWEEN THE APPROXIMATE 1/4 CORNERS IS WITHIN 10 FEET OF THE APPROXIMATE CENTER-OF-SECTION OBTAINED BY HOLDING THE LOCATION OF THE NORTHEAST FENCE CORNER OF THE CEMETARY OF 36 RODS FROM THE FENCE CORNER ALONG THE FENCE LINE WESTERLY. DEED DISTANCES AND ANGLES WERE USED TO PLOT THE REMAINING PORTION OF THE CEMETARY AS SHOWN ON THIS MAP AND IT SEEMED TO FIT THE IMPROVEMENTS FAIRLY WELL, THOUGH IT SHOULD BE CONSIDERED AN APPROXIMATION ONLY AND WAS DONE IN ORDER TO DETERMINE HOW FAR SOUTH TO CONTINUE THE ROAD RIGHT-OF-WAY.

THE ANGLES AT THE FENCE CORNERS ARE SOMEWHAT DIFFERENT THAN 90 DEGREES.

HIGHWAY 335 LOCATION AS SHOWN IS BASED ON OFFSETTING 10 FEET WEST OF THE NORTH 1/4 CORNER OF SECTION 11 ALONG THE SECTION LINE FOR THE TERMINUS AND HOLDING RECORD DISTANCES AND CURVE DATA FROM THE 1923 HAYAVA-HELIX HIGHWAY AS CONSTRUCTED MAP. IT SHOULD BE NOTED THAT THE AS-CONSTRUCTED DRAWING SHOWS THE OFFSET WESTERLY FROM THE 1/4 CORNER TO BE 20 FEET (CENTERED ON MAIN STREET) AND TAX MAPS SHOW THE ROAD TO BE CENTERED ON THE NORTH-SOUTH SECTION CENTERLINE. NEITHER OF THESE LOCATIONS FIT THE ROAD WHERE IT ACTUALLY IS. HIGHWAY 335 WAS ORIGINALLY COUNTY ROAD NO. 843.

THE LOCATION OF THE HELIX CEMETARY ROAD RIGHT-OF-WAY AS SHOWN IN THIS SURVEY WAS BASED ON THE LOCATION OF THE EXISTING TRAVELED ROAD, DRAIN DITCHES, AND UTILITY POLES. IT WILL AFFECT THE ACREAGE OF PARCEL 2, PARTITION PLAT 1999-10 SLIGHTLY. ITS RELATIONSHIP TO THE NORTH-SOUTH SECTION CENTERLINE IS SHOWN.

BEARINGS AND DISTANCES SHOWN ON THIS MAP ARE NAD '83 ('91) GRID. TO CONVERT BEARINGS TO THE BASE USED IN MOST SURVEYS DONE IN THE AREA (S89°34'00"W ALONG THE NORTH LINE OF SECTION 11), ROTATE THOSE SHOWN BY 3°33'33" CLOCKWISE. MULTIPLY DISTANCES BY A COMBINED SCALE AND ELEVATION FACTOR OF 1.000111795 TO OBTAIN GROUND DISTANCES.

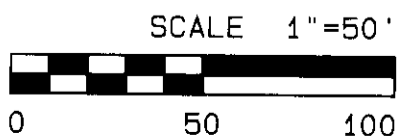
THIS SURVEY WAS PERFORMED WITH A SOKKIA RADIAN GPS SYSTEM OPERATED IN RTK MODE. THE BASE STATION WAS SET ON THIRD-ORDER TRI-STATION "HELIX" AND THE STATE PLANE COORDINATES SHOWN ARE BASED ON TIES TO THIS STATION.

**SURVEY RECORDS**

- R-1 1980 SURVEY FOR HENRY LEMBCKE BY JAMES BUISMAN, SURVEY NO. R-175-B
- R-2 PARTITION PLAT 1999-10 FOR RODERICK THEIS BY PLS 933, SURVEY NO. 99-38-B
- R-3 SURVEY FOR THE CITY OF HELIX BY PLS 852, SURVEY NO. 99-299-B
- R-4 PARTITION PLAT 1999-64 FOR THE CITY OF HELIX BY PLS 852, SURVEY NO. 99-313-B
- R-5 PARTITION PLAT 2000-59 BY PLS 852 FOR THE CITY OF HELIX, SURVEY NO. 00-272-B
- R-6 PARTITION PLAT 2001-29 BY PLS 852 FOR THE CITY OF HELIX, SURVEY NO. 01-89-B
- R-7 BOUNDARY LINE ADJUSTMENT SURVEY FOR JACK BASCOMB BY PLS 2820, SURVEY NO. 01-162-B
- R-8 ROAD LEGALIZATION SURVEY BY PLS 2627, SURVEY NO. 04-136-C
- R-9 CORNER RESTORATION BY PLS 2627, SURVEY NO. 05-17-R
- R-10 1914 PLAT OF THE HELIX CEMETARY BY JOHN KIMBRELL, PLAT BOOK 5, PAGE 1

**LINE TABLE**

| LINE NO. | BEARING     | DISTANCE |
|----------|-------------|----------|
| L1       | N85°01'23"E | 30.02'   |
| L2       | N85°01'23"E | 20.36'   |
| L3       | N85°01'23"E | 9.65'    |
| L4       | N76°07'51"E | 55.88'   |
| L5       | N34°11'36"W | 9.90'    |
| L6       | N86°45'12"E | 10.00'   |
| L7       | N86°45'12"E | 10.00'   |
| L8       | N66°05'44"E | 26.63'   |
| L16      | N24°12'31"E | 9.89'    |



REGISTERED PROFESSIONAL LAND SURVEYOR  
*Gary R. Roberts*  
 OREGON  
 GARY R. ROBERTS  
 2627  
 RENEWS 12/31/06

UMATILLA COUNTY ROAD DEPARTMENT  
 8420 WESTGATE  
 PENDLETON, OREGON 97801  
 PHONE 341/276-5429

ROAD LEGALIZATION SURVEY

COUNTY ROAD NO. 953  
 HELIX CEMETARY ROAD

LOCATED IN THE NORTH 1/2 OF SECTION 11  
 TOWNSHIP 4 NORTH, RANGE 33 E.W.M.

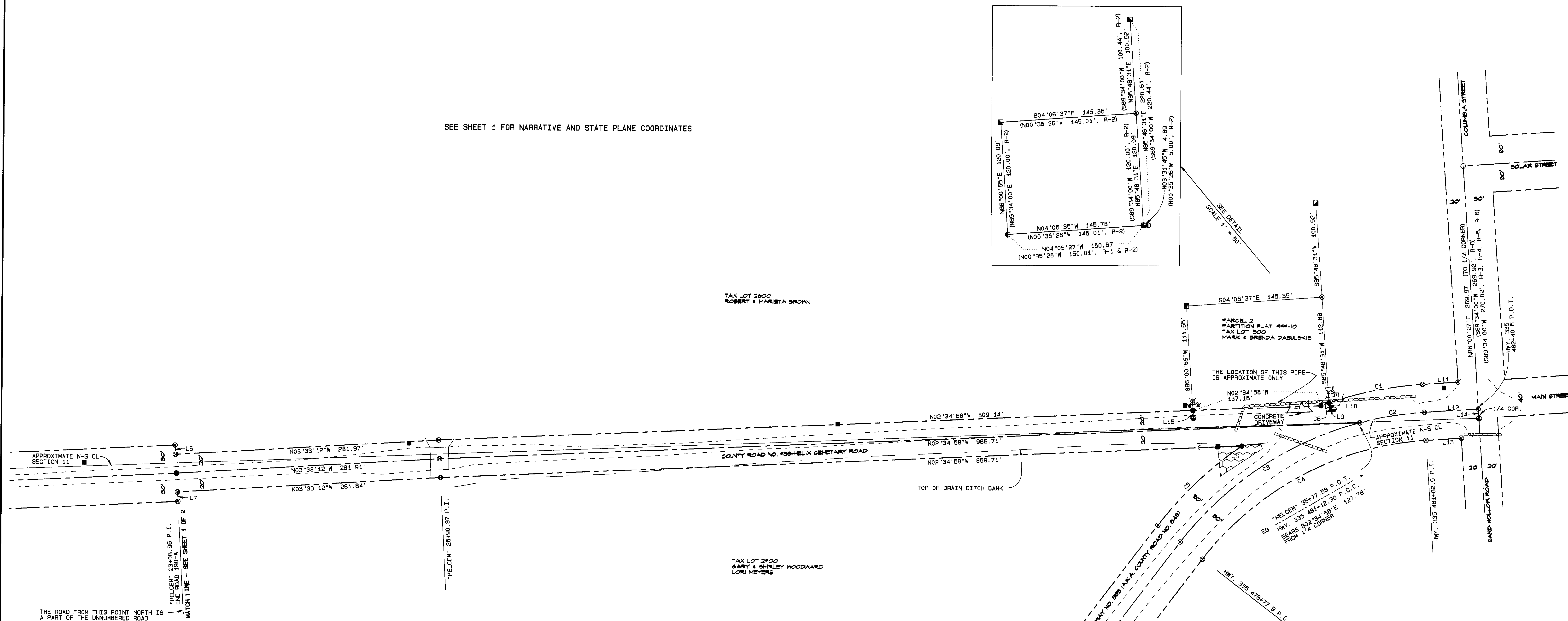
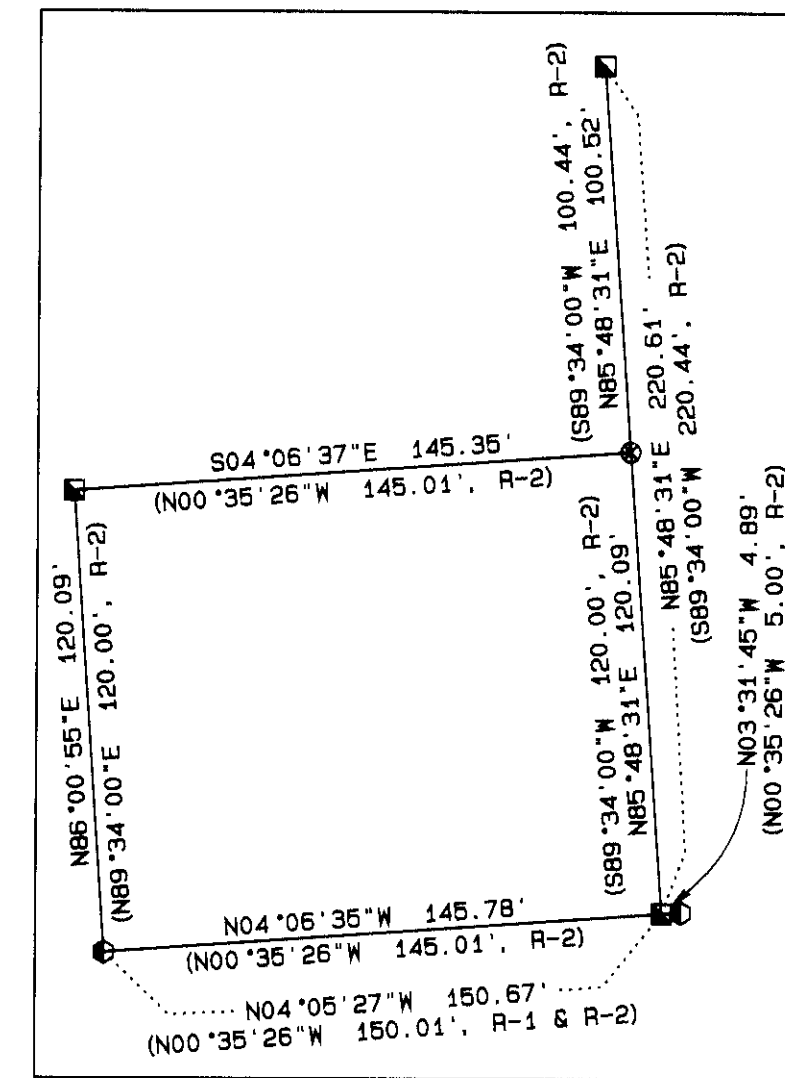
DATE OF SURVEY: MARCH, 2005 SHEET 1 OF 2

RECEIVED BY  
 Umatilla County Surveyors  
 Date: 3-05  
 by: RL  
 in: 05-60-A

# HELIX CEMETARY ROAD LEGALIZATION SURVEY



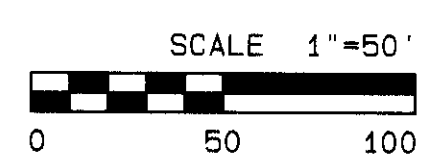
SEE SHEET 1 FOR NARRATIVE AND STATE PLANE COORDINATES



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| LINE TABLE |             |          | CURVE TABLE |           |         |            |               |              |
|------------|-------------|----------|-------------|-----------|---------|------------|---------------|--------------|
| LINE NO.   | BEARING     | DISTANCE | CURVE NO.   | DELTA     | RADIUS  | ARC LENGTH | CHORD BEARING | CHORD LENGTH |
| L6         | N86°45'12"E | 10.00'   |             |           |         |            |               |              |
| L7         | N86°45'12"E | 10.00'   |             |           |         |            |               |              |
| L9         | N03°31'45"W | 4.89'    |             |           |         |            |               |              |
| L10        | N85°48'31"E | 7.21'    | C1          | 15°06'41" | 388.10' | 102.36'    | N11°32'54"W   | 102.06'      |
| L11        | N03°59'33"W | 38.00'   | C2          | 11°13'48" | 358.10' | 70.19'     | N09°36'27"W   | 70.08'       |
| L12        | N03°59'33"W | 68.00'   | C3          | 37°30'12" | 358.10' | 234.40'    | N33°58'27"W   | 230.23'      |
| L13        | N03°59'33"W | 37.96'   | C4          | 48°44'00" | 328.10' | 279.07'    | N28°21'33"W   | 270.73'      |
| L14        | N86°00'27"E | 10.00'   | C5          | 18°13'30" | 388.10' | 123.45'    | N43°36'48"W   | 122.93'      |
| L15        | N86°00'55"E | 8.44'    | C6          | 01°19'37" | 388.10' | 8.99'      | N19°46'03"W   | 8.99'        |

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