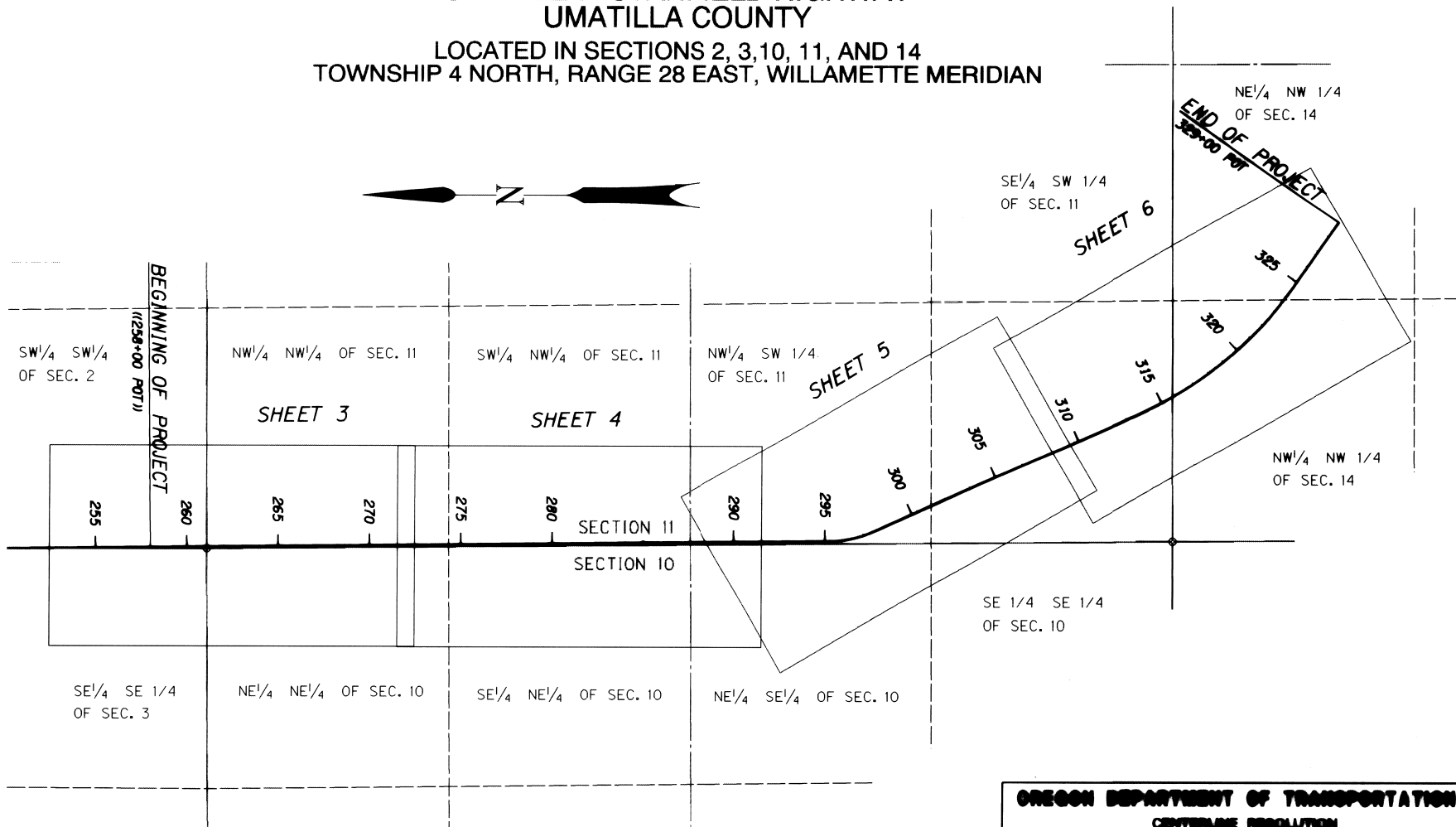
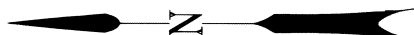
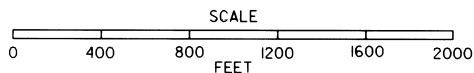


**OREGON DEPARTMENT OF TRANSPORTATION**  
**N. 1ST STREET SIGNAL REHABILITATION (HERMISTON) SEC.**  
 UMATILLA - STANFIELD HIGHWAY  
 UMATILLA COUNTY  
 LOCATED IN SECTIONS 2, 3, 10, 11, AND 14  
 TOWNSHIP 4 NORTH, RANGE 28 EAST, WILLAMETTE MERIDIAN



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- SHEET 4: STATION 272+00 TO STATION 291+00
- SHEET 5: STATION 291+00 TO STATION 300+00
- SHEET 6: STATION 300+00 TO STATION 329+00



REGISTERED PROFESSIONAL LAND SURVEYOR

*Richard W. Thompson*  
 OREGON  
 JULY 21, 1992  
 RICHARD W. THOMPSON  
 2385

EXPIRES...6/30/96

**OREGON DEPARTMENT OF TRANSPORTATION**

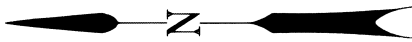
**CENTERLINE RESOLUTION AND MONUMENT RECOVERY AND CONTROL MAP**

**N. 1ST STREET SIGNAL REHABILITATION (HERMISTON) SEC. UMATILLA - STANFIELD HIGHWAY UMATILLA COUNTY**

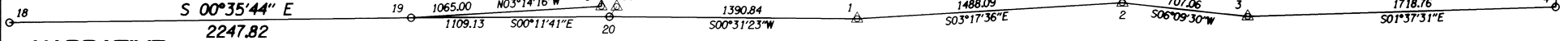
RECEIVED BY  
 Umatilla County Surveyor  
 Date 6-95 FEBRUARY 1995 SCALE: 1" = 400'  
 Rec'd by JK O.D.O.T. REGION 5 LOCATION  
 No. 95-95-B 3012 ISLAND AVENUE, LA GRANDE, OR 97850

O.D.O.T. FILE #IS-277

SHEET 1 OF 6



Basis Of Bearing



**NARRATIVE**

THIS SURVEY WAS UNDERTAKEN AS A PART OF THE N.1ST STREET SIGNAL REHABILITATION (HERMISTON) PROJECT. ONE PURPOSE OF THIS SURVEY IS TO RESOLVE THE FIELD LOCATION OF THE RIGHT-OF-WAY (R/W) CENTERLINE OF THE UMATILLA-STANFIELD HIGHWAY FROM MILEPOST 4.84 (ELM AVENUE) TO MILEPOST 6.03 (SE 4TH STREET). ANOTHER PURPOSE OF THIS SURVEY IS TO PROVIDE FOR PERPETUATION OF THE LOCATIONS OF PROPERTY MONUMENTS WHICH MAY BE DISTURBED BY CONSTRUCTION OF THE N.1ST STREET SIGNAL REHABILITATION (HERMISTON) PROJECT. PERPETUATION OF THE MONUMENT POSITIONS IS ACCOMPLISHED BY LOCATING THE MONUMENTS CONSISTENT WITH THE COORDINATES OF OUR CONTROL NETWORK.

THE SHAPE OF THE RECORD CENTERLINE WAS DEVELOPED USING THE FOLLOWING MAPS:

1. DRG. NO. 9B-8-11 (LOCATED LINE / HERMISTON SEC. / UMATILLA-STANFIELD HIGHWAY / UMATILLA COUNTY / DATED JAN. 1971)
2. DRG. NO. 9B-9-13 (LOCATED LINE / HERMISTON-STANFIELD JUNCTION SEC. / UMATILLA-STANFIELD HIGHWAY / UMATILLA COUNTY / DATED AUG. 1976 / REVISED JAN. 1986)
3. DRG. NO. 9B-17-8 (LOCATED LINE / UMATILLA-HERMISTON SEC. / UMATILLA-STANFIELD HIGHWAY / UMATILLA COUNTY / DATED JAN. 1980 / REVISED OCT. 1982)
4. DRG. NO. 1S-37 (SURVEY FILING MAP / UMATILLA-HERMISTON SEC. / UMATILLA-STANFIELD HIGHWAY / UMATILLA COUNTY / DATED MAR. 1988)

THE FIELD LOCATION OF THE RECORD SHAPE WAS RESOLVED BY MAKING A "BEST FIT" TO THE EVIDENCE FOUND IN THE FIELD. THE PRIORITY OF EVIDENCE USED IN ARRIVING AT THE "BEST FIT" WAS:

1. MONUMENTS ORIGINALLY USED TO DESCRIBE THE CENTERLINE.
2. EXISTING HIGHWAY IMPROVEMENTS CONSTRUCTED AT THE TIME THE RIGHT OF WAY WAS ESTABLISHED, AND
3. MONUMENTS SET BY OTHERS ON PROPERTIES ADJACENT TO THE HIGHWAY.

THE RESOLVED CENTERLINE WAS FIRST DEVELOPED BETWEEN STATIONS 227+52.31 POT AND 250+00.00 POT BY HOLDING THE RECORD COORDINATES FROM DRG. NO. 1S-37. THEN THE RECORD CENTERLINE FOR THE ENTIRE AREA WAS PLACED USING RECORD ALIGNMENT DATA:

1. BETWEEN STATIONS 250+00.00 POT & 260+00.00 POT FROM DRG. NO. 9B-17-8.

2. BETWEEN STATIONS 260+00.00 POT & 326+22.01 PT FROM DRG. NO. 9B-8-11, AND
3. BETWEEN STATIONS 326+22.01 PT & 329+00.00 POT FROM DRG. NO. 9B-9-13.

SURVEY WORK WAS PERFORMED FROM JULY 14, 1994 TO SEPTEMBER 14, 1994 BY ODOT STAFF USING A WILD T-1600 THEODOLITE, DI 1600 EDM AND GRE 4 DATA COLLECTOR. FIELD DATA WAS REDUCED AND PROCESSED TO COORDINATES USING INTERGRAPH CORP'S ELECTRONIC THEODOLITE INTERFACE AND INTERACTIVE COORDINATE GEOMETRY SOFTWARE. THE MINIMUM APPARENT ACCURACY OF THE CONTROL TRAVERSE PRIOR TO ADJUSTMENT WAS ONE PART IN 51,000.

THE CONTROL TRAVERSE FOR THIS PROJECT USED RAILROAD SPIKES AT STATIONS 227+52.31 POT AND 250+00.00 POT ON THE SURVEY FILING MAP OF THE UMATILLA-HERMISTON SECTION AS A BASIS. THE UMATILLA-HERMISTON SECTION SURVEY WAS PERFORMED BY AN ODOT CREW IN JULY 1987 USING A TRANSIT AND CHAIN (FIELD BOOK #2841).

THE COORDINATE SYSTEM USED FOR THE SURVEY IS A LOCAL DATUM PLANE (LDP) COORDINATE SYSTEM CONVERTIBLE TO STATE PLANE COORDINATES (SPC, NAD 1927, NORTH ZONE). THE LDP COORDINATES REPRESENT TRUE GROUND DISTANCES. TO CONVERT THE LDP COORDINATES TO THE SPC MULTIPLY LDP COORDINATES BY A FACTOR OF 0.9999226. THE SCALE FACTOR IS THE SAME AS FOR THE UMATILLA-HERMISTON SECTION SURVEY, AND WAS DETERMINED BY THE ODOT PHOTOGRAMMETRY UNIT BASED ON AVERAGE PROJECT LATITUDE AND ELEVATION.

TRAVERSE POINTS SET DURING THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT OF WAY LINES. POINTS SET MAY BE DESTROYED BY FUTURE HIGHWAY OPERATIONS. IT IS NOT THE INTENT OF THE HIGHWAY DIVISION TO PERPETUATE THESE TRAVERSE POINTS AS MONUMENTS.

**SUBDIVISION PLAT REFERENCES**

- BK 2 PG 61A (THE ORIGINAL TOWN OF HERMISTON)
- BK 2 PG 72 (SUBDIVISION OF LOT "B")
- BK 2 PG 73 (KERNS ADDITION)
- BK 5 PG 26 (OSBURN TRACT HOMESITE)
- BK 5 PG 35 (LOBAUGH AND STORER ADDITION)
- BK 6 PG 8 (MORNINGSIDE TRACTS)
- BK 6 PG 11 (WINONA ADDITION)
- BK 6 PG 25 (CAMPBELL-TILLER ADDITION)
- BK 7 PG 21 (LAKEVIEW TRACTS)
- BK 13 PG 45 (REPLAT OF BLOCK 2 OF KERNS ADDITION, LOTS 1, 2, 3, 4, 5, & 6 AND BLOCK A OF ORIGINAL TOWN OF HERMISTON, LOTS 6, 7, 8, & 9)

**TRAVERSE MONUMENT TABLE**

MONUMENT NUMBER	NORTHING	EASTING	DATE SET/FOUND	DESCRIPTION
1	796,883.88	2,308,738.30	7-14-94	Set 1/2" Sq. Steel Rod W/ OSHD 1 1/2" Alum. Cap Stamped: "Trav Pt 1 1994"
2	795,398.25	2,308,823.79	7-14-94	Set 1/2" Sq. Steel Rod W/ OSHD 1 1/2" Alum. Cap Stamped: "Trav Pt 2 1994"
3	794,695.27	2,308,747.94	7-14-94	Set 1/2" Sq. Steel Rod W/ OSHD 1 1/2" Alum. Cap Stamped: "Trav Pt 3 1994"
4	792,977.20	2,308,796.69	7-14-94	Fd. 2 1/2" Brass Cap Section Corner. Stamped: "10-11-14-15 T4N R2BE"
5	792,937.56	2,309,257.89	7-14-94	Set 1/2" Sq. Steel Rod W/ OSHD 1 1/2" Alum. Cap Stamped: "Trav Pt 5 1994"
6	792,982.92	2,310,121.90	7-14-94	Fd. 3/4" Rebar. Accepted as the W 1/8 Cor. Sections 11-14, T4N R2BE
7	795,847.04	2,310,075.74	7-14-94	Set Railroad Spike
8	798,281.37	2,310,070.73	7-14-94	Fd. 3/4" Rebar (Bent). Accepted as the W 1/8 Cor. Sections 11-2, T4N R2BE CS# 92-144-B
9	798,320.48	2,308,807.38	7-14-94	Set Hub & Tack
18	801,631.48	2,308,723.87	7-28-94	Fd. Railroad Spike (Sta. 227+52.31 POT Recd.) DRG. 1S-37
19	799,383.78	2,308,747.23	7-28-94	Fd. Railroad Spike (Sta. 227+50.00 POT Recd.) DRG. 1S-37
20	798,274.66	2,308,751.00	7-28-94	Fd. 3/4" Rebar. Accepted as Section Corner "3-2-10-11 T4N R2BE" CS# 92-144-B
30	798,233.99	2,308,805.67	7-14-94	Set Hub & Tack

**COUNTY SURVEY REFERENCES**

- CS # P-36-AX
- CS # P-43-AX
- CS # P-44-AX
- CS # Q-926-C
- CS # 1S-37
- CS # 92-144-B

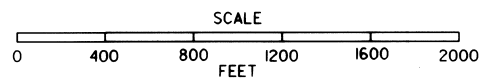
REGISTERED PROFESSIONAL LAND SURVEYOR

*Richard W. Thompson*  
 JULY 21, 1992  
 RICHARD W. THOMPSON  
 2000

RECEIVED BY  
 Umatilla County Surveyor

Date: 6-95 FEBRUARY 1995 SCALE: 1" = 400'  
 O.D.O.T. REGION 5 LOCATION  
 Rec'd by: KK 2012 ISLAND AVENUE, LA GRANDE, OR 97850  
 No. 95-95-B

EXPIRES: 6/30/96

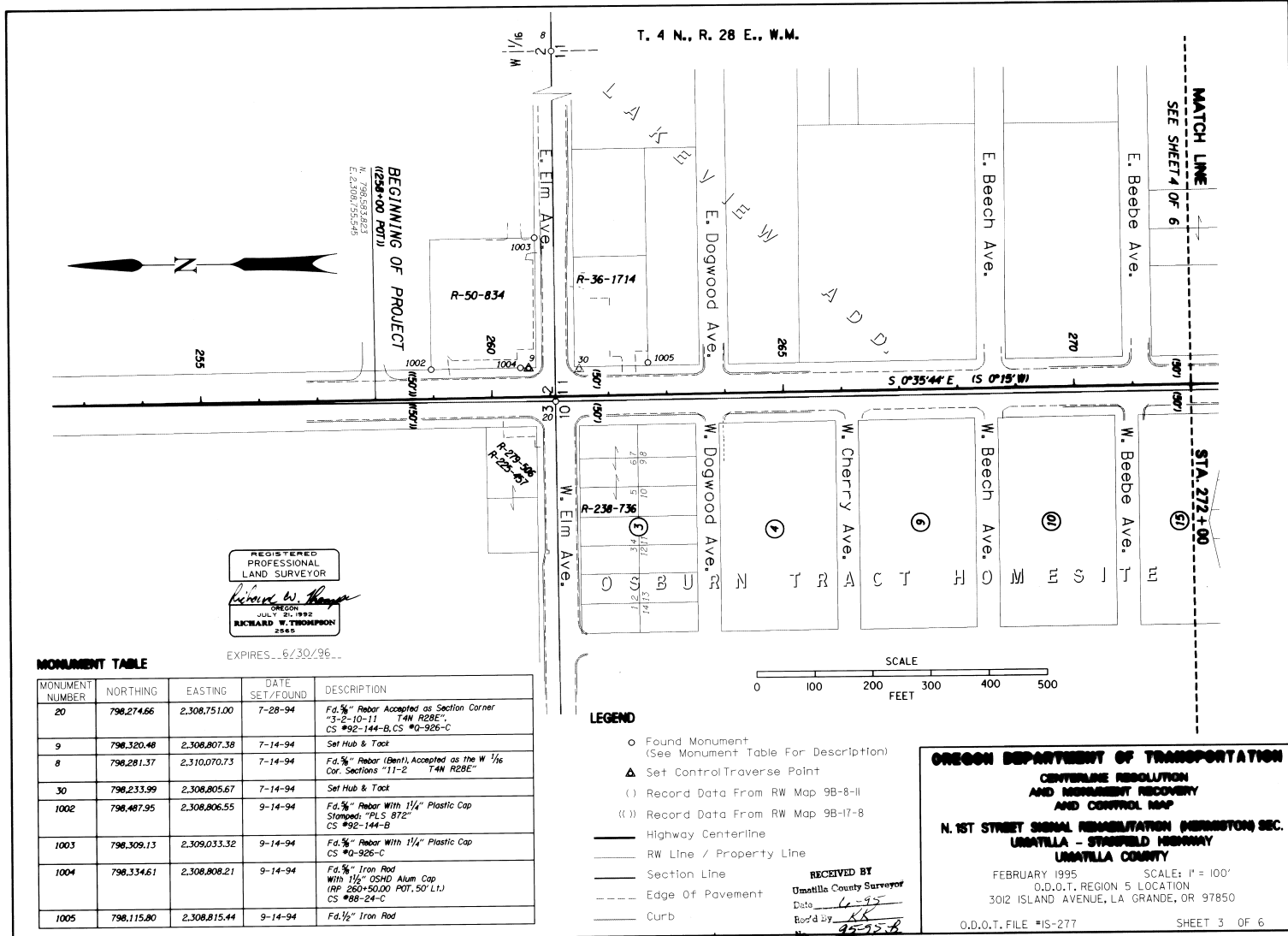


**OREGON DEPARTMENT OF TRANSPORTATION**  
 CENTERLINE RESOLUTION  
 AND MONUMENT RECOVERY  
 AND CONTROL MAP  
 N. 1ST STREET SIGNAL REHABILITATION (HERMISTON) SEC.  
 UMATILLA - STANFIELD HIGHWAY  
 UMATILLA COUNTY  
 O.D.O.T. FILE #IS-277 SHEET 2 OF 6

14-MAR-1995 CTL /usr/r5/projects/05977/filmcover.dgn

STA. 268+00 TO STA. 272+00

IS-277

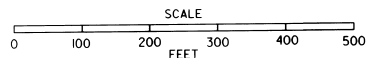


REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
*Richard W. Thompson*  
RICHARD W. THOMPSON  
2245  
EXPIRES...6/30/96...

**MONUMENT TABLE**

MONUMENT NUMBER	NORTHING	EASTING	DATE SET/FOUND	DESCRIPTION
20	798,274.66	2,308,751.00	7-28-94	Fd. 3/8" Rebar Accepted as Section Corner "3-2-10-11 T4W R28E", CS #92-144-B, CS #0-926-C
9	798,320.48	2,308,807.38	7-14-94	Set Hub & Tack
8	798,281.37	2,310,070.73	7-14-94	Fd. 3/8" Rebar (Bent), Accepted as the W 1/2 Cor. Sections "11-2 T4W R28E"
30	798,233.99	2,308,805.67	7-14-94	Set Hub & Tack
1002	798,487.95	2,308,806.55	9-14-94	Fd. 3/8" Rebar With 1/4" Plastic Cap Stamped: "PLS 872" CS #92-144-B
1003	798,309.13	2,309,033.32	9-14-94	Fd. 3/8" Rebar With 1/4" Plastic Cap CS #0-926-C
1004	798,334.61	2,308,808.21	9-14-94	Fd. 3/8" Iron Rod With 1 1/2" OSHD Alum Cap (HP 260x50.00 POT. 50' L1J) CS #88-24-C
1005	798,115.80	2,308,815.44	9-14-94	Fd. 1/2" Iron Rod

- LEGEND**
- Found Monument (See Monument Table For Description)
  - △ Set Control Traverse Point
  - ( ) Record Data From RW Map 9B-8-II
  - ( ( ) ) Record Data From RW Map 9B-17-8
  - Highway Centerline
  - RW Line / Property Line
  - Section Line
  - Edge Of Pavement
  - Curb

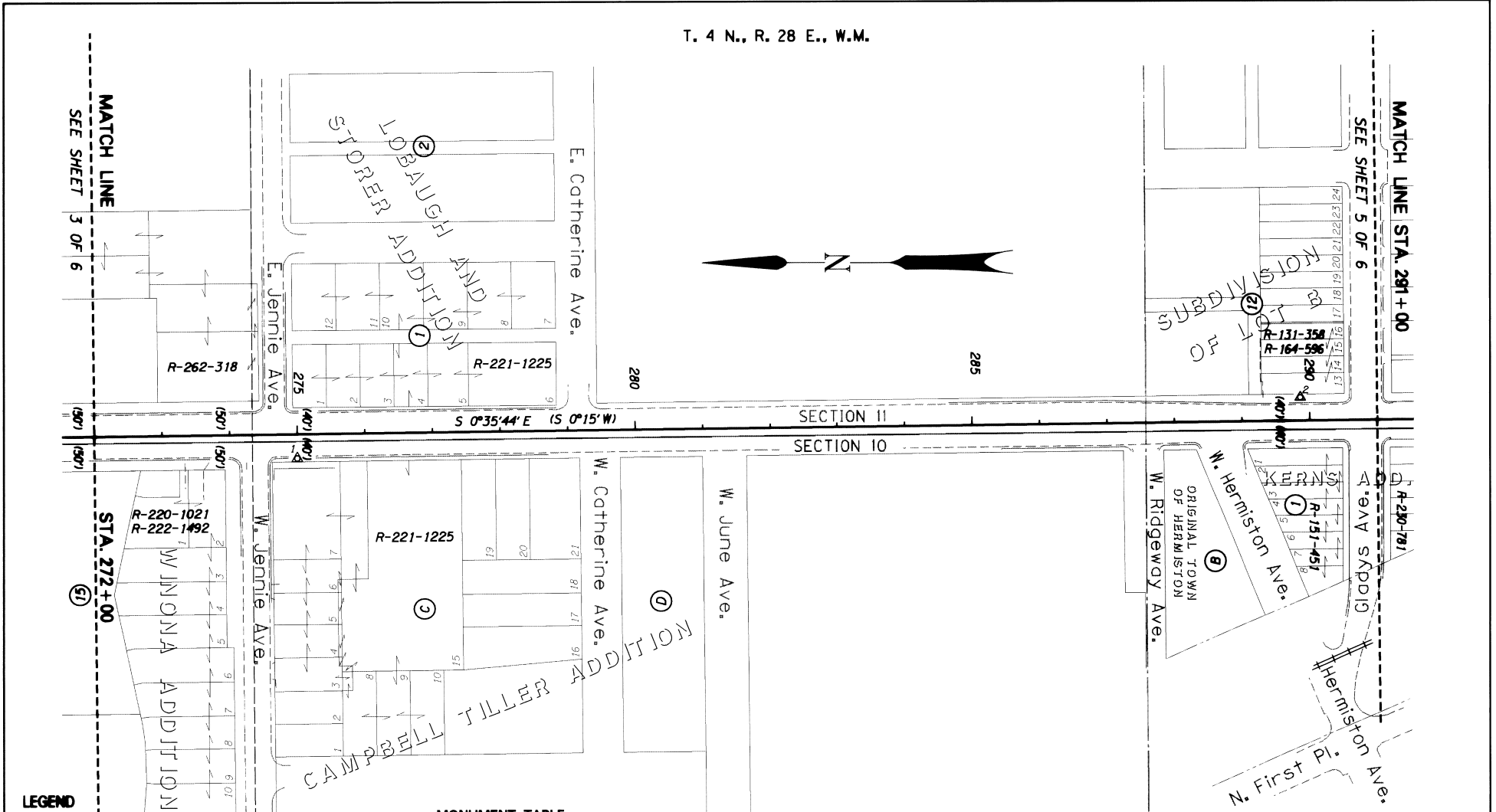


**OREGON DEPARTMENT OF TRANSPORTATION**  
CENTERLINE RESOLUTION  
AND MEASUREMENT RECOVERY  
AND CONTROL MAP  
N. 1ST STREET SIGNAL REDEVELOPMENT (MERISTON) SEC.  
UMATILLA - STAGFIELD HIGHWAY  
UMATILLA COUNTY  
FEBRUARY 1995 SCALE: 1" = 100'  
O.D.O.T. REGION 5 LOCATION  
3012 ISLAND AVENUE, LA GRANDE, OR 97850  
O.D.O.T. FILE #IS-277 SHEET 3 OF 6

RECEIVED BY  
Umatilla County Surveyor  
Date 6-95  
Road by KK  
No. 95-95-B

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T. 4 N., R. 28 E., W.M.

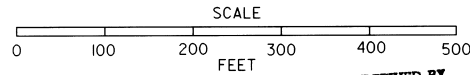


**LEGEND**

- ▲ Set Control Traverse Point
- ( ) Record Data From RW Map 9B-8-II
- Highway Centerline
- RW Line / Property Line
- Railroad RW line
- Section Line
- Quarter Section Line
- Sixteenth Section Line
- Edge Of Pavement
- Curb
- Railroad Track

**MONUMENT TABLE**

MONUMENT NUMBER	NORTHING	EASTING	DATE SET	DESCRIPTION
1	796,883.88	2,308,738.30	7-14-94	Set 1/2" Sq. Steel Rod W/ OSHD 1 1/2" Alum. Cap Stamped: "Trav Pt 1 1994"
2	795,398.25	2,308,823.79	7-14-94	Set 1/2" Sq. Steel Rod W/ OSHD 1 1/2" Alum. Cap Stamped: "Trav Pt 2 1994"



REGISTERED PROFESSIONAL LAND SURVEYOR  
*Richard W. Thompson*  
 OREGON  
 JULY 21, 1992  
**RICHARD W. THOMPSON**  
 2562

RECEIVED BY  
 Umatilla County Surveyor  
 Date 6-95  
 Rec'd by RR  
 No. 95-958

EXPIRES 6/30/96

**OREGON DEPARTMENT OF TRANSPORTATION**

CENTERLINE RESOLUTION AND MONUMENT RECOVERY AND CONTROL MAP

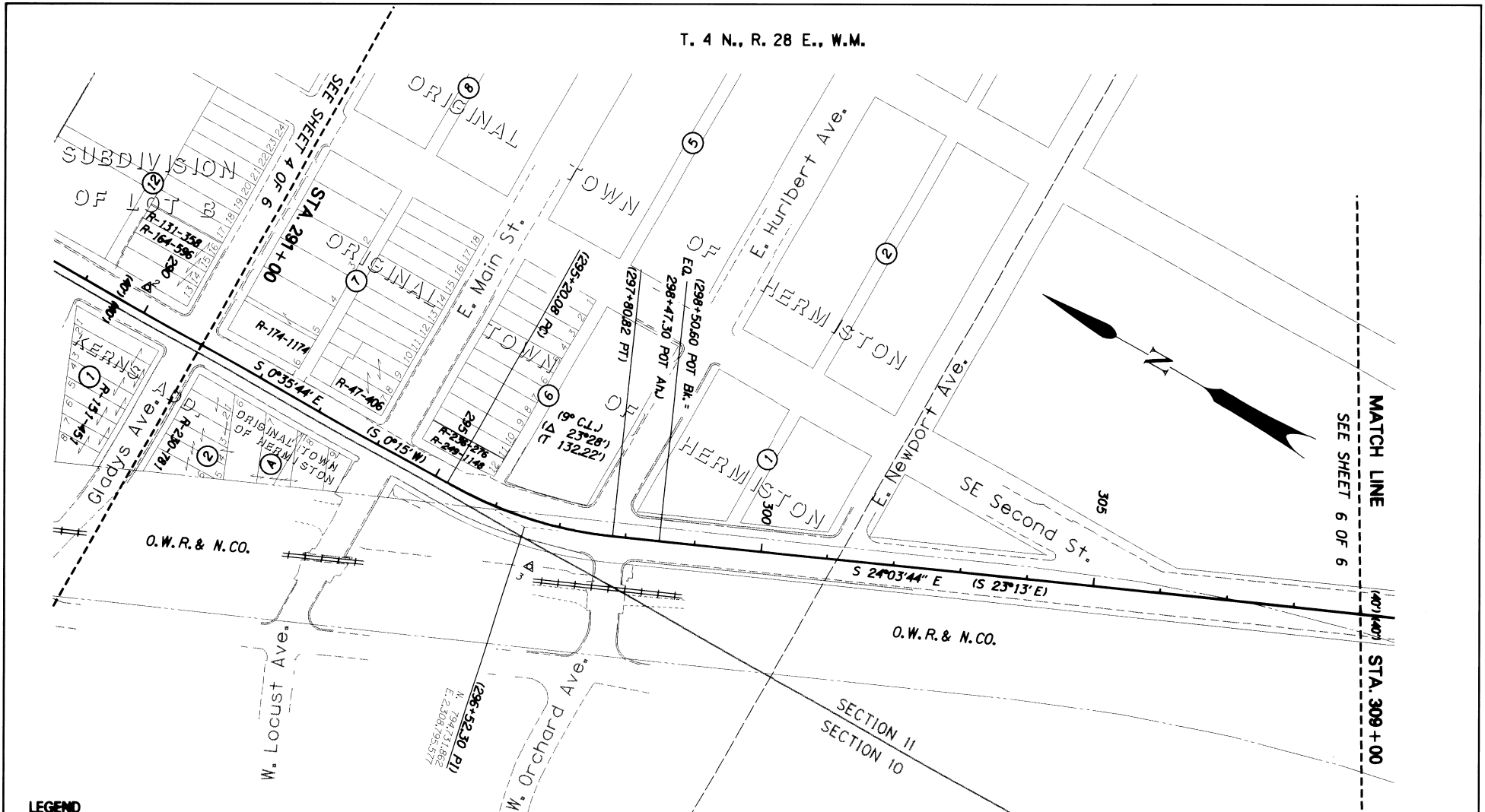
**N. 1ST STREET SIGNAL REHABILITATION (HERMISTON) SEC. UMATILLA - STAMFELD HIGHWAY UMATILLA COUNTY**

FEBRUARY 1995 SCALE: 1" = 100'  
 O.D.O.T. REGION 5 LOCATION  
 3012 ISLAND AVENUE, LA GRANDE, OR 97850

O.D.O.T. FILE #IS-277

SHEET 4 OF 6

T. 4 N., R. 28 E., W.M.

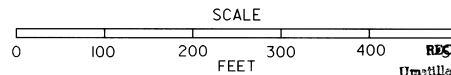


**LEGEND**

- ▲ Set Control Traverse Point
- ( ) Record Data From RW Map 9B-8-II
- Highway Centerline
- RW Line / Property Line
- Railroad RW line
- Section Line
- Sixteenth Section Line
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MONUMENT NUMBER	NORTHING	EASTING	DATE SET	DESCRIPTION
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REGISTERED PROFESSIONAL LAND SURVEYOR  
*Richard W. Thompson*  
 RICHARD W. THOMPSON  
 2565

RECEIVED BY  
 Umatilla County Surveyor  
 Date 6-95  
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 No. 95-95-B

EXPIRES 6/30/96

**OREGON DEPARTMENT OF TRANSPORTATION**  
 CENTERLINE RESOLUTION AND MONUMENT RECOVERY AND CONTROL MAP  
**N. 1ST STREET SIGNAL REHABILITATION (HERMISTON) SEC. UMATILLA - STANFIELD HIGHWAY UMATILLA COUNTY**  
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 O.D.O.T. FILE #IS-277 SHEET 5 OF 6

