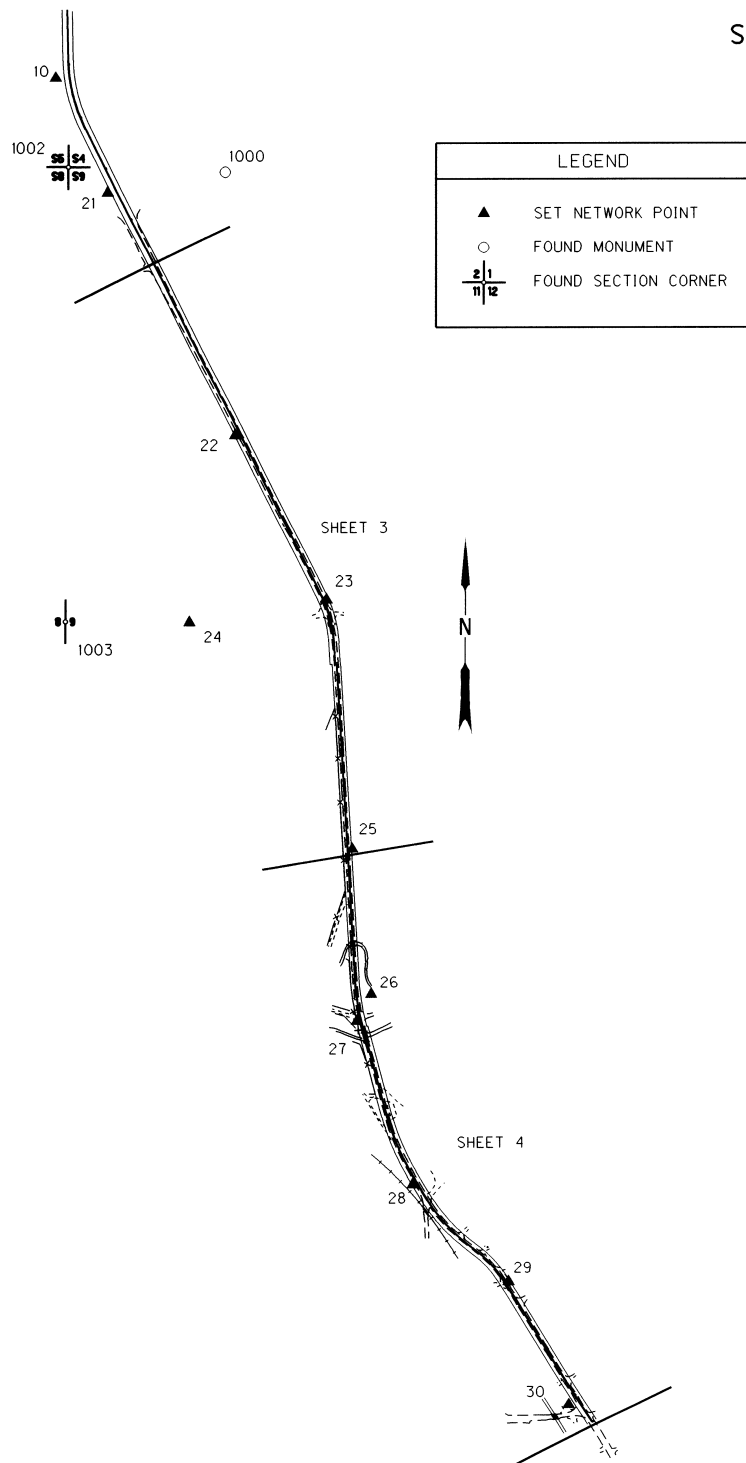


SEC. 9 & 16 T.3 N. R.29 E. W.M.



LEGEND	
▲	SET NETWORK POINT
○	FOUND MONUMENT
$\frac{2}{1}$ $\frac{11}{12}$	FOUND SECTION CORNER

NARRATIVE

THE PURPOSE OF THIS FILING MAP IS TO RESOLVE THE LOCATION OF THE EXISTING RIGHT-OF-WAY (R/W) FOR THE OLD STATE HIGHWAY 30, FROM ITS INTERSECTION WITH I-84 TO ECHO. THIS INCLUDES THE RELOCATED PORTION OF THE NOW THIELSON ROAD UNDER JURISDICTION OF UMATILLA COUNTY. IN ORDER TO EXPEDITE THE TIMELINE ON THIS PROJECT, THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) IS PREPARING THIS RETRACEMENT MAP FOR USE BY UMATILLA COUNTY IN THEIR LEGALIZATION PROCESS. ODOT IS USING THE SAME BASIC PROCEDURES THE COUNTY WOULD HAVE USED TO RESOLVE R/W CENTERLINE. THIS SURVEY WAS DONE IN PREPARATION FOR THE PROPOSED JURISDICTIONAL EXCHANGE BETWEEN UMATILLA COUNTY AND ODOT (THIELSON ROAD CR1300 AND SR320 EAST OF ECHO) AND FOR A PROPOSED ODOT HIGHWAY RECONSTRUCTION AND BRIDGE REPLACEMENT PROJECT.

THE ORIGINAL HORIZONTAL CONTROL AND RECOVERY SURVEY WAS COMPLETED IN APRIL OF 2002 AND IS PENDING FILING WITH UMATILLA COUNTY. THE SURVEY TOOK PLACE IN TOWNSHIP 3 NORTH; RANGE 29 EAST; SECTIONS 9 & 16. THE SAME NETWORK AND PIN TIES WERE USED IN THIS RETRACEMENT FILING MAP AS IN THE ORIGINAL SURVEY. THE BASIS OF BEARING FOR THE ORIGINAL SURVEY WAS THE SECTION LINE BETWEEN NETWORK POINTS 1002 AND 1003, N 00°22'06" E FROM COUNTY SURVEY NO. 98-155-C. THE 1/4 CORNER BETWEEN SECTION 8 AND 9, POINT 1003, WAS RESET IN 1998 BY SURVEY 98-155-C. POINT 1002 WAS ASSIGNED COORDINATES N 20000 AND E 70000. THE COORDINATES FOR POINT 1003 WERE CALCULATED WITH THE RECORD BEARING AND MEASURED DISTANCE 810.541 METERS. THE RECORDED DISTANCE 2659.38 FT CONVERTED TO METRIC IS 810.579 METERS. HORIZONTAL LEAST SQUARES ADJUSTMENT WAS CALCULATED IN LISCAD TO ESTABLISH NETWORK COORDINATES. THE NETWORK MEETS ODOT STANDARDS.

REFERENCE DOCUMENTS USED FOR THIS SURVEY WERE: ODOT DRG 3B-13-3, 98-35-B, KOONTS SECOND ADDITION (WESTLAWN), 98-202-B, 00-108-B, 98-176-C, 98-155-C, 98-002-C, DEED BOOK G PAGE 359, DEED BOOK E PAGE 438, DEED BOOK I PAGE 126, IR-1-622.

IN ORDER TO ESTABLISH A METRIC STATION CONVERSION BETWEEN THE ODOT DRG 3B-13-3 AND THE SURVEY FILING MAP, THE ENGLISH STATION 1036+05.5, CALLED OUT IN THE LEGAL DESCRIPTION OF THE RELOCATED PORTION OF OLD US HIGHWAY 30, WAS CONVERTED TO THE METRIC STATION 31+578.956 BY MULTIPLYING BY 0.3048. NO OTHER STATIONS OR EQUATIONS WERE CONVERTED OR HELD

THE R/W CENTERLINE ALIGNMENT WAS RESOLVED BY USING THE CURVE AND TANGENT DATA FROM ODOT DRG 3B-13-3, AND 98-001-C AS MUCH AS POSSIBLE. RADII AND TANGENTS WERE ADJUSTED TO PROVIDE THE BEST FIT TO THE EXISTING ROAD FEATURES AND MONUMENTS. THE FOUND PINS FROM 98-001-C, 98-35-B, 98-202-B, WERE USED TO ESTABLISH CENTERLINE LOCATION AND ORIENTATION FOR THE SOUTH SECTION OF OLD HWY 30. THE FOUND PINS FROM 98-176-C, 00-108-B, AND ODOT DRG 3B-13-3 WERE USED TO ESTABLISH CENTERLINE LOCATION AND ORIENTATION FOR THE NORTH SECTION OF OLD HWY 30. THE R/W CENTERLINE FOR THE MIDDLE PORTION CAME FROM THE LEGAL DESCRIPTION OF THE RELOCATION OF OLD HWY 30. IT WAS ROTATED INTO A BEST FIT POSITION BETWEEN THE NORTH AND SOUTH PORTIONS.

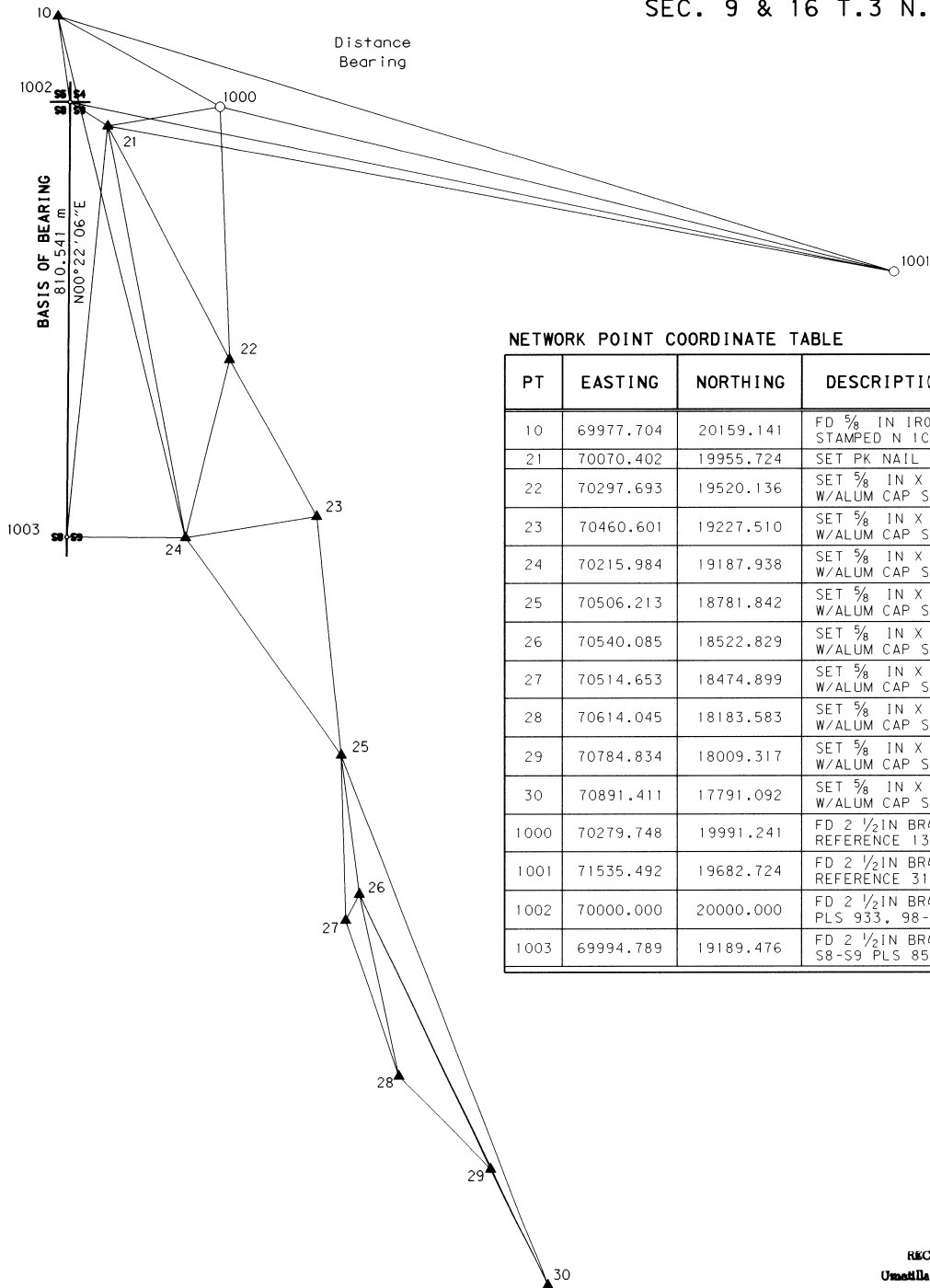


BASIS OF BEARING AND CONTROL NETWORK SCHEMATIC
NOT TO SCALE

REGISTERED PROFESSIONAL LAND SURVEYOR
KEN W. EDDY
OREGON FEBRUARY 14, 1985
2129
RECEIVED BY Umatilla County Surveyor
Date 4-02
Rec'd By
No. 02-137-B

OREGON DEPARTMENT OF TRANSPORTATION
RETRACEMENT MAP
THIELSON ROAD - HWY 320 (JURISDICTIONAL EXCHANGE)
ECHO HIGHWAY
UMATILLA COUNTY
FOR ODOT REGION 5 80788 KIK ROAD, HERMISTON, OR 97838
MARCH 5, 2002 SHEET 1 OF 4

SEC. 9 & 16 T.3 N. R.29 E. W.M.



NETWORK POINT COORDINATE TABLE

PT	EASTING	NORTHING	DESCRIPTION & REFERENCE DOC
10	69977.704	20159.141	FD 5/8 IN IRON REBAR W/ALUM CAP STAMPED N 1C
21	70070.402	19955.724	SET PK NAIL
22	70297.693	19520.136	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 22
23	70460.601	19227.510	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 23
24	70215.984	19187.938	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 24
25	70506.213	18781.842	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 25
26	70540.085	18522.829	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 26
27	70514.653	18474.899	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 27
28	70614.045	18183.583	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 28
29	70784.834	18009.317	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 29
30	70891.411	17791.092	SET 5/8 IN X 30 IN IRON REBAR W/ALUM CAP STAMPED N 30
1000	70279.748	19991.241	FD 2 1/2 IN BRASS DISC STATE HIGHWAY REFERENCE 1370+91.45; 268+36.1
1001	71535.492	19682.724	FD 2 1/2 IN BRASS DISC STATE HIGHWAY REFERENCE 310+79.576606
1002	70000.000	20000.000	FD 2 1/2 IN BRASS DISC T3NR29E 4589 PLS 933, 98-155-C
1003	69994.789	19189.476	FD 2 1/2 IN BRASS DISC T3NR29E 1/4 S8-S9 PLS 852, 98-155-C

AT	TO	DISTANCE	BEARING
10	24	1000.006	S13°47'06\"E
10	1000	345.573	S60°55'52\"E
10	1001	1629.011	S72°59'41\"E
10	1002	160.695	S07°58'31\"E
10	1003	969.813	S01°00'34\"E
21	22	491.323	S27°33'20\"E
21	24	781.466	S10°44'12\"E
21	1000	212.337	N80°22'16\"E
21	1001	1490.308	S79°26'41\"E
21	1002	83.167	N57°50'03\"W
21	1003	769.970	S05°38'09\"W
22	23	334.916	S29°06'19\"E
22	24	342.102	S27°10'53\"W
22	1000	471.450	N02°10'53\"W
23	24	247.797	S80°48'39\"W
23	25	447.996	S05°50'37\"E
24	25	499.146	S35°33'10\"E
24	1003	221.198	N89°36'03\"W
25	26	261.218	S07°27'02\"E
25	27	307.059	S01°34'30\"E
25	30	1062.997	S21°14'45\"E
26	27	54.259	S27°57'03\"W
26	28	347.215	S12°14'56\"E
26	29	568.856	S25°28'60\"E
26	30	811.707	S25°38'49\"E
27	28	307.805	S18°50'20\"E
28	29	244.003	S44°25'22\"E
29	30	242.860	S26°01'48\"E
1000	1001	1293.088	S76°11'48\"E
1002	1003	810.541	S00°22'06\"W



BASIS OF BEARING AND CONTROL NETWORK SCHEMATIC
NOT TO SCALE

OREGON DEPARTMENT OF TRANSPORTATION

RETRACEMENT MAP

THIELSON ROAD - HWY 320 (JURISDICTIONAL EXCHANGE)

ECHO HIGHWAY

UMATILLA COUNTY

FOR ODOT REGION 5

80788 KIK ROAD, HERMISTON, OR 97838

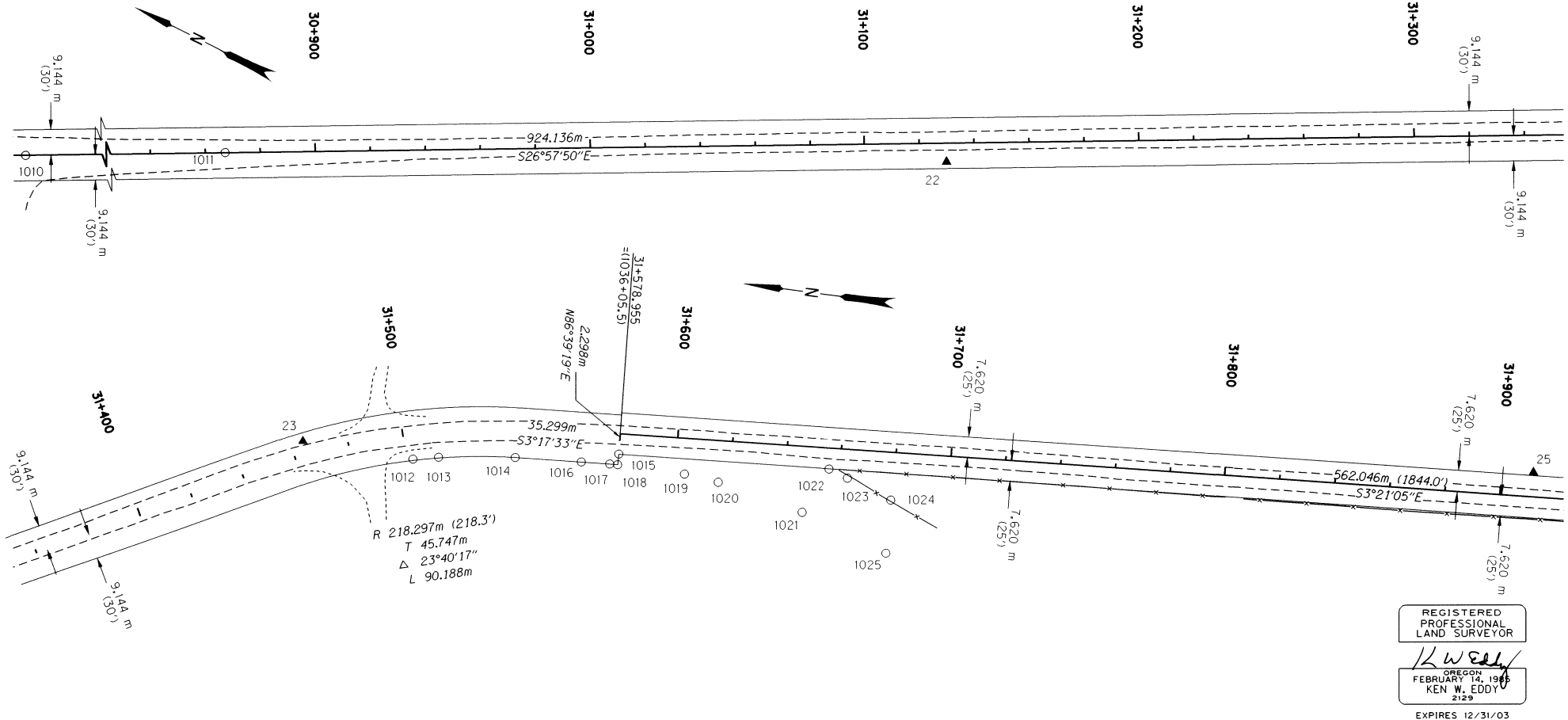
MARCH 5, 2002

SHEET 2 OF 4

REGISTERED PROFESSIONAL LAND SURVEYOR
K. W. EDDY
OREGON FEBRUARY 14, 1985
KEN W. EDDY
2129
EXPIRES 12/31/03

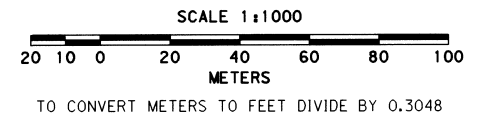
RECEIVED BY
Umatilla County Surveyor
Date 6-02
Rec'd By K.K.
No. 02-137-B

SEC. 9 & 16 T.3 N. R.29 E. W.M.



RECOVERED MONUMENT LIST

PT	NORTHING	EASTING	DESCRIPTION & REFERENCE DOCUMENTS
1010	70087.846	19947.433	FD 3" BRASS DISK MARKED OREGON STATE HIGHWAY DIVISION REFERENCE, 23+78.72 POT, 91-39-C
1011	70184.583	19757.280	FD 3" BRASS DISK MARKED OREGON STATE HIGHWAY DIVISION REFERENCE, PT 320, 91-39-C
1012	70459.046	19186.922	FD 5/8" IRON ROD W/YELLOW PLASTIC CAP MARKED PLS 848, 98-176-C, 00-108-B
1013	70460.979	19177.787	FD 5/8" IRON PIN W/BROKEN YELLOW CAP MARKED PLS 848, 00-108-B
1014	70464.432	19150.113	FD 5/8" IRON ROD W/YELLOW PLASTIC CAP, OR PLS 1106 WA PLS 17372, 1034+82.8 PT, 98-176-C, 00-108-B
1015	70470.467	19112.941	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, 1036+05.5 PT, 00-108-B
1016	70465.867	19126.095	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, LOT 42/43, 00-108-B
1017	70466.407	19115.743	FD 5/8" IRON ROD W/YELLOW PLASTIC CAP, OR PLS 1106 WA PLS 17372, 1035+95.5 PC, 98-176-C, 00-108-B
1018	70466.565	19112.805	FD 5/8" IRON ROD W/YELLOW PLASTIC CAP, OR PLS 1106 WA PLS 17372, 1036+05.5 PT, 00-108-B, 98-176-C
1019	70466.243	19088.302	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, 00-108-B
1020	70464.907	19075.725	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, LOT 42, 00-108-B
1021	70458.097	19044.066	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, 00-108-B
1022	70474.787	19044.066	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, POT, 00-108-B, 98-176-C
1023	70472.453	19028.934	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, 1038+76.8 PT, 98-176-C, 00-108-B
1024	70466.615	19012.294	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 1106, 1039+34.7 PC, 98-176-C
1025	70447.297	19011.619	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED PLS 848, LOT 41, 00-108-B



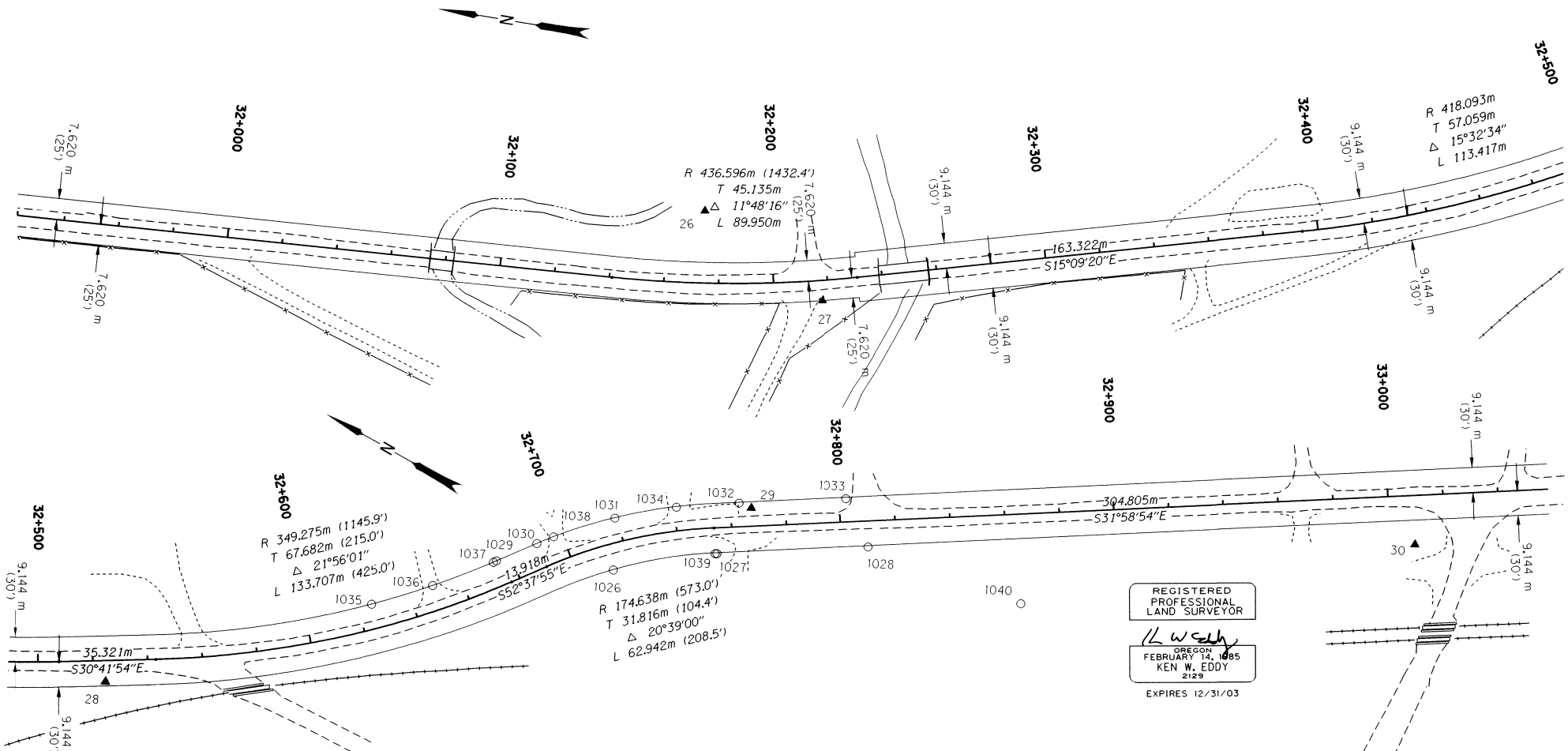
REGISTERED PROFESSIONAL LAND SURVEYOR
 KEN W. EDDY
 OREGON FEBRUARY 14, 1985
 KEN W. EDDY 2129
 EXPIRES 12/31/03

OREGON DEPARTMENT OF TRANSPORTATION
 RETRACEMENT MAP
 THIELSON ROAD - HWY 320 (JURISDICTIONAL EXCHANGE)
 ECHO HIGHWAY
 UMATILLA COUNTY

FOR ODOT REGION 5 80788 KIK ROAD, HERMISTON, OR 97838
 MARCH 5, 2002 SHEET 3 OF 4

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 Rec'd By KR
 No. 02-132-B

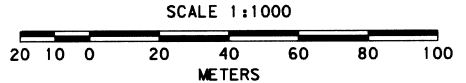
SEC. 9 & 16 T.3 N. R.29 E. W.M.



REGISTERED
PROFESSIONAL
LAND SURVEYOR
Ken W. Eddy
OREGON
FEBRUARY 14, 1985
KEN W. EDDY
2129
EXPIRES 12/31/03

RECOVERED MONUMENT LIST

PT	NORTHING	EASTING	DESCRIPTION & REFERENCE DOCUMENTS
1026	70740.240	18042.050	FD 5/8" IRON REBAR W/YELLOW PLASTIC CAP STAMPED JAB 02735LS, 98-202-B
1027	70763.917	18011.903	FD 5/8" IRON REBAR W/YELLOW PLASTIC CAP STAMPED JAB 02735LS, 98-202-B
1028	70793.093	17964.725	FD 5/8" IRON REBAR W/YELLOW PLASTIC CAP STAMPED JAB 02735LS, 98-202-B
1029	70722.264	18080.830	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-001-C, 98-35-B
1030	70734.977	18071.041	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-001-C, 98-35-B
1031	70757.099	18050.880	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-35-B
1032	70784.109	18014.048	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-35-B
1033	70804.791	17980.582	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-35-B, 98-001-C
1034	70771.651	18033.257	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-35-B
1035	70686.319	18112.835	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-001-C
1036	70703.103	18096.709	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-35-B
1037	70721.302	18081.489	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-35-B
1038	70740.117	18066.922	FD 5/8" IRON PIN W/YELLOW PLASTIC CAP MARKED OR PLS 1106 WA PLS 17372, 98-35-B
1039	70763.562	18012.458	FD 5/8" IRON REBAR W/YELLOW PLASTIC CAP MARKED JAB 02735LS, 98-202-B
1040	70802.527	17906.046	FD 5/8" IRON REBAR W/YELLOW PLASTIC CAP MARKED JAB 02735LS, 98-202-B



TO CONVERT METERS TO FEET DIVIDE BY 0.3048

OREGON DEPARTMENT OF TRANSPORTATION
RETRACEMENT MAP
THIELSON ROAD - HWY 320 (JURISDICTIONAL EXCHANGE)
ECHO HIGHWAY
UMATILLA COUNTY
FOR ODOT REGION 5 80788 KIK ROAD, HERMISTON, OR 97838
MARCH 5, 2002 SHEET 4 OF 4

RECEIVED BY
Umatilla County Surveyor
Date *3/2*
Rec'd By *[Signature]*
No. *02-187-B*