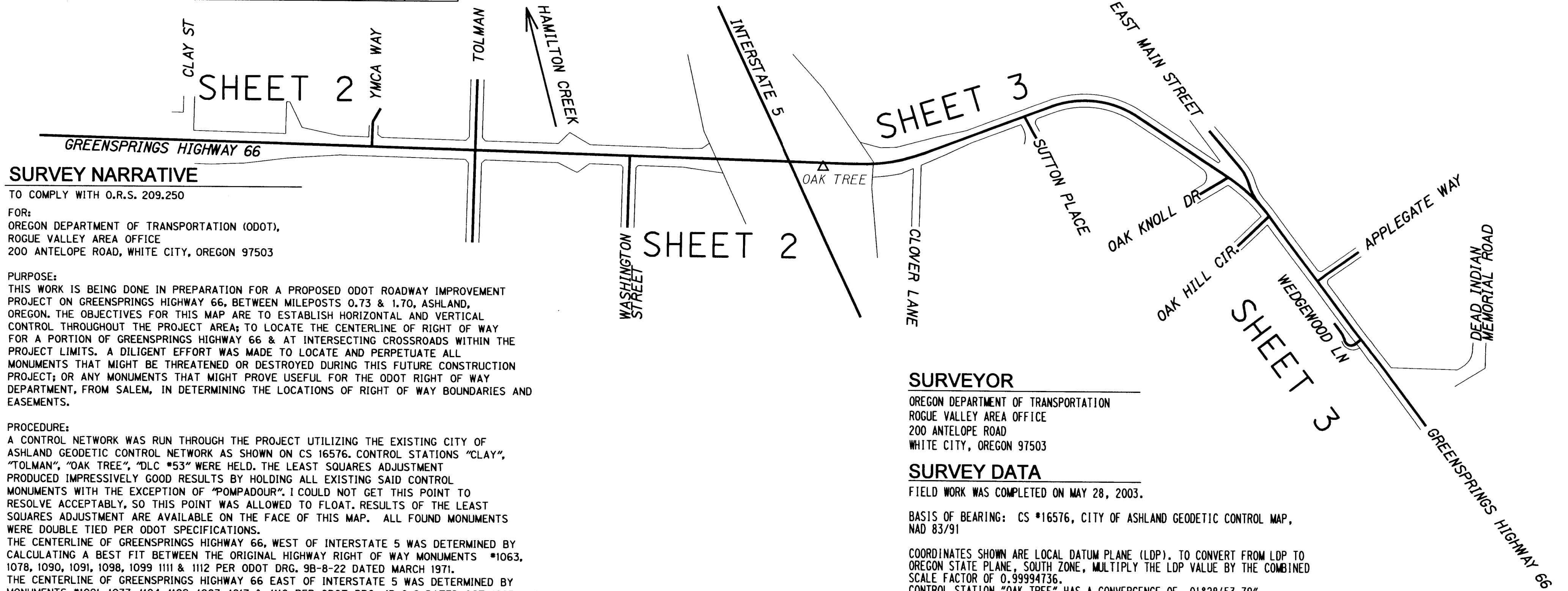


LEAST SQUARES ADJUSTMENT REPORT							
ADJUSTED COORDINATES 95% CONFIDENCE LIMITS				ERROR ELLIPSE DATA			
STATION	EASTING	NORTHING	EAST	NORTH	SEMI MAJOR	SEMI MINOR	
CLAY	1320303.124	60776.769	.000	.000	.000	.000	
POMPADOUR	1322718.703	61675.276	.012	.010	.015	.005	
1274301	1320292.505	59972.327	.006	.005	.006	.005	
1274303	1320936.345	59952.363	.003	.004	.004	.003	
OAKTREE	1321179.792	59928.843	.000	.000	.000	.000	
1274304	1321356.824	59952.262	.003	.004	.004	.003	
1274305	1321544.679	60032.995	.004	.005	.005	.004	
3	1321789.898	59890.043	.005	.005	.006	.004	
1274306	1321961.570	59639.705	.003	.004	.004	.003	
DLC 53	1322096.826	59652.175	.000	.000	.000	.000	
1274302	1320684.858	59935.296	.005	.005	.005	.005	
TOLMAN	1320713.938	60694.057	.000	.000	.000	.000	

MAP OF SURVEY

HORIZONTAL CONTROL, RECOVERY, & RETRACEMENT MAP
FOR THE OREGON DEPARTMENT OF TRANSPORTATION
LOCATED IN THE SE 1/4 SEC 11, SW 1/4 OF SEC 12,
THE NW 1/4 SEC 13 AND THE N 1/2 OF SECTION 14,
TOWNSHIP 39 SOUTH, RANGE 1 EAST,
WILLAMETTE MERIDIAN, JACKSON COUNTY

*** RECEIVED ***
DATE 7-15-03 BY *BL*
This survey consists of:
3 sheet(s) Map
1 page(s) Narrative
JACKSON COUNTY
SURVEYOR



SURVEY NARRATIVE

TO COMPLY WITH O.R.S. 209.250

FOR:
OREGON DEPARTMENT OF TRANSPORTATION (ODOT),
ROGUE VALLEY AREA OFFICE
200 ANTELOPE ROAD, WHITE CITY, OREGON 97503

PURPOSE:
THIS WORK IS BEING DONE IN PREPARATION FOR A PROPOSED ODOT ROADWAY IMPROVEMENT PROJECT ON GREENSPRINGS HIGHWAY 66, BETWEEN MILEPOSTS 0.73 & 1.70, ASHLAND, OREGON. THE OBJECTIVES FOR THIS MAP ARE TO ESTABLISH HORIZONTAL AND VERTICAL CONTROL THROUGHOUT THE PROJECT AREA; TO LOCATE THE CENTERLINE OF RIGHT OF WAY FOR A PORTION OF GREENSPRINGS HIGHWAY 66 & AT INTERSECTING CROSSROADS WITHIN THE PROJECT LIMITS. A DILIGENT EFFORT WAS MADE TO LOCATE AND PERPETUATE ALL MONUMENTS THAT MIGHT BE THREATENED OR DESTROYED DURING THIS FUTURE CONSTRUCTION PROJECT; OR ANY MONUMENTS THAT MIGHT PROVE USEFUL FOR THE ODOT RIGHT OF WAY DEPARTMENT, FROM SALEM, IN DETERMINING THE LOCATIONS OF RIGHT OF WAY BOUNDARIES AND EASEMENTS.

PROCEDURE:
A CONTROL NETWORK WAS RUN THROUGH THE PROJECT UTILIZING THE EXISTING CITY OF ASHLAND GEODETIC CONTROL NETWORK AS SHOWN ON CS 16576. CONTROL STATIONS "CLAY", "TOLMAN", "OAK TREE", "DLC #53" WERE HELD. THE LEAST SQUARES ADJUSTMENT PRODUCED IMPRESSIVELY GOOD RESULTS BY HOLDING ALL EXISTING SAID CONTROL MONUMENTS WITH THE EXCEPTION OF "POMPADOUR". I COULD NOT GET THIS POINT TO RESOLVE ACCEPTABLY, SO THIS POINT WAS ALLOWED TO FLOAT. RESULTS OF THE LEAST SQUARES ADJUSTMENT ARE AVAILABLE ON THE FACE OF THIS MAP. ALL FOUND MONUMENTS WERE DOUBLE TIED PER ODOT SPECIFICATIONS.
THE CENTERLINE OF GREENSPRINGS HIGHWAY 66, WEST OF INTERSTATE 5 WAS DETERMINED BY CALCULATING A BEST FIT BETWEEN THE ORIGINAL HIGHWAY RIGHT OF WAY MONUMENTS *1063, 1078, 1090, 1091, 1098, 1099 1111 & 1112 PER ODOT DRG. 9B-8-22 DATED MARCH 1971.
THE CENTERLINE OF GREENSPRINGS HIGHWAY 66 EAST OF INTERSTATE 5 WAS DETERMINED BY MONUMENTS *1021, 1033, 1104, 1109, 1003, 1017 & 1110 PER ODOT DRG. 4B-6-2 DATED OCT 1925 AND 8B-15-23, JAN 1971. THE CENTERLINE OF INTERSTATE 5 WAS NOT RESOLVED ON THIS SURVEY. THE INFORMATION SHOWN IS THE RECORD POSITION AS SHOWN ON ODOT DRG. 8B-15-23, JAN 1971, (REVISED). MONUMENT *1073 PER CS 3840 DETERMINED THE CENTERLINE OF TOLMAN CREEK ROAD. MONUMENTS *1101 & 1102 PER CS 10916 DETERMINED THE CENTERLINE OF YMCA WAY. THE CENTERLINE OF WASHINGTON STREET WAS DETERMINED BY ODOT DWG 8B-15-23. MONUMENTS *1038, 1039, 1040, 1042 & 1043 PER CS 17184 DETERMINED THE CENTERLINE OF SUTTON PLACE. MONUMENTS *1019, 1020 & 1107 PER CS 15639 DETERMINED THE CENTERLINE OF EAST MAIN STREET. THE CENTERLINE OF OAK KNOLL DRIVE WAS DETERMINED PER GREENSPRINGS SUBDIVISION PLAT. MONUMENTS *1022, 1023 & 1024 PER CS 11212 DETERMINED THE CENTERLINE OF OAK HILL CIRCLE. MONUMENTS *1010 & 1011 PER CS 15675 DETERMINED THE CENTERLINE OF APPLGATE WAY. MONUMENTS *1025 & 1026 PER CS 11212 DETERMINED THE CENTERLINE OF WEDGEWOOD LANE. MONUMENT *1049 PER CS 16685 & CS 9529 DETERMINED THE CENTERLINE OF CLOVER LANE.

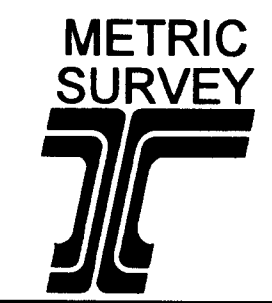
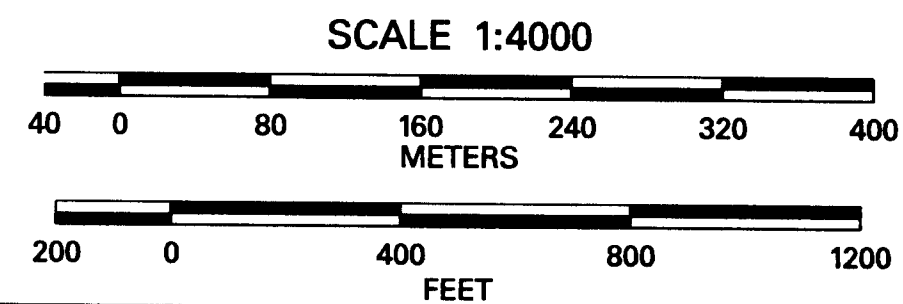
EQUIPMENT:
THE TOTAL STATION WAS CALIBRATED AT THE "MEDFORD" NGS BASELINE PRIOR TO BEING USED FOR THIS PROJECT. ALL OTHER SURVEY EQUIPMENT USED WAS CHECKED PERIODICALLY THROUGH THE DURATION OF THE PROJECT. STANDARD EQUIPMENT ERRORS ARE AS NOTED. LEICA TCA 1800 TOTAL STATION WITH A STANDARD ANGULAR ERROR OF +/- 1 SECOND, AND A STANDARD DISTANCE ERROR OF +/-2mm, +2ppm. THE LEVEL USED WAS A WILD NA2002 DIGITAL LEVEL WITH A PUBLISHED ACCURACY OF 1.5mm/KM USING A BAR CODE STAFF.

SURVEYOR

OREGON DEPARTMENT OF TRANSPORTATION
ROGUE VALLEY AREA OFFICE
200 ANTELOPE ROAD
WHITE CITY, OREGON 97503

SURVEY DATA

FIELD WORK WAS COMPLETED ON MAY 28, 2003.
BASIS OF BEARING: CS *16576, CITY OF ASHLAND GEODETIC CONTROL MAP, NAD 83/91
COORDINATES SHOWN ARE LOCAL DATUM PLANE (LDP). TO CONVERT FROM LDP TO OREGON STATE PLANE, SOUTH ZONE, MULTIPLY THE LDP VALUE BY THE COMBINED SCALE FACTOR OF 0.99994736.
CONTROL STATION "OAK TREE" HAS A CONVERGENCE OF -01°28'53.79"
TO CONVERT FROM METRIC TO ENGLISH, DIVIDE METRIC VALUES BY 0.3048
VERTICAL DATUM BASED ON BENCH MARK 0 548 (NAVD 88) LOCATED IN ASHLAND AT THE OLD USFS BUILDING, NOW ABANDONED, WHICH ROUGHLY IS ACROSS THE GREENSPRINGS HIGHWAY 66 FROM CLAY STREET.



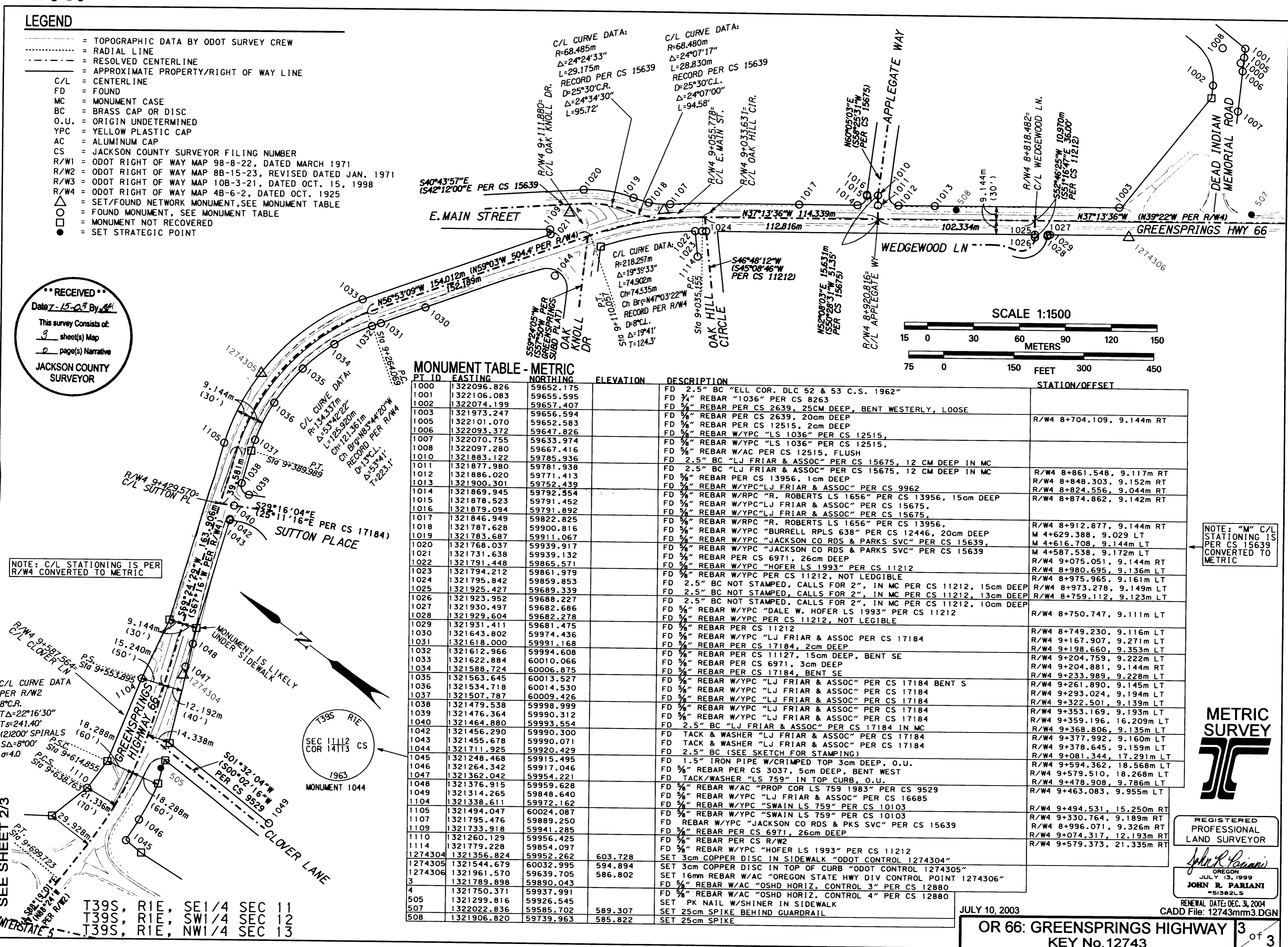
REGISTERED PROFESSIONAL LAND SURVEYOR
John R. Pariani
OREGON
JULY 13, 1999
JOHN R. PARIANI
#51382LS
RENEWAL DATE: DEC. 31, 2004

OREGON DEPARTMENT OF TRANSPORTATION	
HORIZONTAL CONTROL, RECOVERY, AND RETRACEMENT MAP	
GREENSPRINGS HIGHWAY 66 MILEPOST 0.73 TO 1.70 JACKSON COUNTY, OREGON	
PROJECT LEADER: DEBBIE TIMMS SURVEY CREW: J. PARIANI, S. CAPPELLO, B. ALFORD	
DATE: JULY 10, 2003	CADD File: 12743 MRM1.DGN

LEGEND

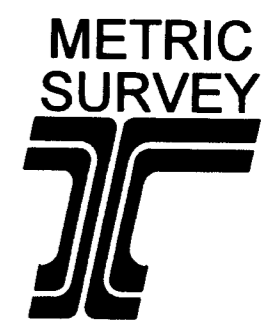
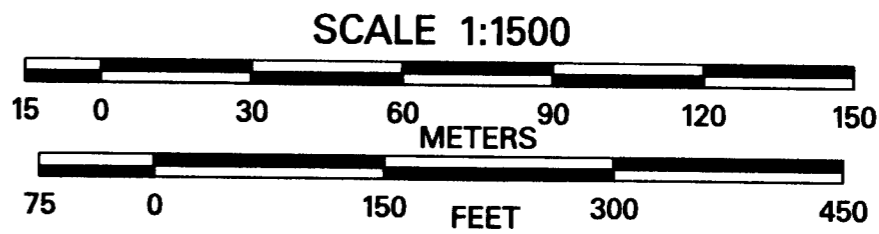
- = TOPOGRAPHIC DATA BY ODOT SURVEY CREW
- = RADIAL LINE
- = RESOLVED CENTERLINE
- = APPROXIMATE PROPERTY/RIGHT OF WAY LINE
- C/L = CENTERLINE
- FD = FOUND
- MC = MONUMENT CASE
- BC = BRASS CAP OR DISC
- O.U. = ORIGIN UNDETERMINED
- YPC = YELLOW PLASTIC CAP
- AC = ALUMINUM CAP
- CS = JACKSON COUNTY SURVEYOR FILING NUMBER
- R/W1 = ODOT RIGHT OF WAY MAP 98-8-22, DATED MARCH 1971
- R/W2 = ODOT RIGHT OF WAY MAP 88-15-23, REVISED DATED JAN. 1971
- R/W3 = ODOT RIGHT OF WAY MAP 10B-3-21, DATED OCT. 15, 1998
- R/W4 = ODOT RIGHT OF WAY MAP 4B-6-2, DATED OCT. 1925
- △ = SET/FOUND NETWORK MONUMENT, SEE MONUMENT TABLE
- = FOUND MONUMENT, SEE MONUMENT TABLE
- = MONUMENT NOT RECOVERED
- = SET STRATEGIC POINT

****RECEIVED****
 Date 7-15-03 By *AA*
 This survey consists of:
 3 sheet(s) Map
 2 page(s) Narrative
 JACKSON COUNTY SURVEYOR



MONUMENT TABLE - METRIC

PT ID	EASTING	NORTHING	ELEVATION	DESCRIPTION	STATION/OFFSET
1000	1322096.826	59652.175		FD 2.5" BC "ELL COR. DLC 52 & 53 C.S. 1962"	
1001	1322106.083	59655.595		FD 3/4" REBAR "1036" PER CS 8263	
1002	1322074.199	59657.407		FD 3/4" REBAR PER CS 2639, 25CM DEEP, BENT WESTERLY, LOOSE	
1003	1321973.247	59656.594		FD 3/4" REBAR PER CS 2639, 25CM DEEP	R/W4 8+704.109, 9.144m RT
1005	1322101.070	59652.583		FD 3/4" REBAR PER CS 12515, 20cm DEEP	
1006	1322093.372	59647.826		FD 3/4" REBAR W/YPC "LS 1036" PER CS 12515,	
1007	1322070.755	59633.974		FD 3/4" REBAR W/YPC "LS 1036" PER CS 12515,	
1008	1322097.280	59667.416		FD 3/4" REBAR W/AC PER CS 12515, FLUSH	
1010	1321883.122	59785.936		FD 2.5" BC "LJ FRIAR & ASSOC" PER CS 15675, 12 CM DEEP IN MC	
1011	1321877.980	59781.938		FD 2.5" BC "LJ FRIAR & ASSOC" PER CS 15675, 12 CM DEEP IN MC	
1012	1321886.020	59771.413		FD 3/4" REBAR PER CS 13956, 1cm DEEP	R/W4 8+861.548, 9.117m RT
1013	1321900.301	59752.439		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 9962	R/W4 8+848.303, 9.152m RT
1014	1321869.945	59792.554		FD 3/4" REBAR W/RPC "R. ROBERTS LS 1656" PER CS 13956, 15cm DEEP	R/W4 8+824.556, 9.044m RT
1015	1321878.523	59791.452		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 15675,	R/W4 8+874.862, 9.142m RT
1016	1321879.094	59791.892		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 15675,	
1017	1321846.949	59822.825		FD 3/4" REBAR W/RPC "R. ROBERTS LS 1656" PER CS 13956,	R/W4 8+912.877, 9.144m RT
1018	1321787.628	59900.816		FD 3/4" REBAR W/YPC "BURRELL RPLS 638" PER CS 12446, 20cm DEEP	M 4+629.388, 9.029 LT
1019	1321783.687	59911.067		FD 3/4" REBAR W/YPC "JACKSON CO RDS & PARKS SVC" PER CS 15639,	M 4+616.708, 9.144m LT
1020	1321768.037	59939.917		FD 3/4" REBAR W/YPC "JACKSON CO RDS & PARKS SVC" PER CS 15639,	M 4+587.538, 9.172m LT
1021	1321731.638	59939.132		FD 3/4" REBAR PER CS 6971, 26cm DEEP	R/W4 9+075.051, 9.144m RT
1022	1321791.448	59865.571		FD 3/4" REBAR W/YPC "HOFFER LS 1993" PER CS 11212	R/W4 8+980.695, 9.136m LT
1023	1321794.212	59861.979		FD 3/4" REBAR W/YPC PER CS 11212, NOT LEDGIBLE	R/W4 8+975.965, 9.161m LT
1024	1321795.842	59859.853		FD 2.5" BC NOT STAMPED, CALLS FOR 2", IN MC PER CS 11212, 15cm DEEP	R/W4 8+973.278, 9.149m LT
1025	1321925.427	59689.339		FD 2.5" BC NOT STAMPED, CALLS FOR 2", IN MC PER CS 11212, 13cm DEEP	R/W4 8+759.112, 9.123m LT
1026	1321923.952	59688.227		FD 3/4" REBAR W/YPC "DALE W. HOFER LS 1993" PER CS 11212	
1027	1321930.497	59682.686		FD 3/4" REBAR W/YPC PER CS 11212, NOT LEGIBLE	
1028	1321929.604	59682.278		FD 3/4" REBAR PER CS 11212	
1029	1321931.411	59681.475		FD 3/4" REBAR PER CS 11212	R/W4 8+749.230, 9.116m LT
1030	1321643.802	59974.436		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 17184	R/W4 9+167.907, 9.271m LT
1031	1321618.000	59991.168		FD 3/4" REBAR PER CS 17184, 2cm DEEP	R/W4 9+198.660, 9.353m LT
1032	1321612.966	59994.608		FD 3/4" REBAR PER CS 11127, 15cm DEEP, BENT SE	R/W4 9+204.759, 9.222m LT
1033	1321622.884	60010.066		FD 3/4" REBAR PER CS 6971, 3cm DEEP	R/W4 9+204.881, 9.144m RT
1034	1321588.724	60006.875		FD 3/4" REBAR PER CS 17184, BENT SE	R/W4 9+233.989, 9.228m LT
1035	1321563.645	60013.527		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 17184 BENT S	R/W4 9+261.890, 9.145m LT
1036	1321534.718	60014.530		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 17184	R/W4 9+293.024, 9.194m LT
1037	1321507.787	60009.426		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 17184	R/W4 9+322.501, 9.139m LT
1038	1321479.538	59998.999		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 17184	R/W4 9+353.169, 9.193m LT
1039	1321476.364	59990.312		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 17184	R/W4 9+359.196, 16.209m LT
1040	1321464.880	59993.554		FD 2.5" BC "LJ FRIAR & ASSOC" PER CS 17184 IN MC	R/W4 9+368.806, 9.135m LT
1042	1321456.290	59990.300		FD TACK & WASHER "LJ FRIAR & ASSOC" PER CS 17184	R/W4 9+377.992, 9.160m LT
1043	1321455.678	59990.071		FD TACK & WASHER "LJ FRIAR & ASSOC" PER CS 17184	R/W4 9+378.645, 9.159m LT
1044	1321711.925	59920.429		FD 2.5" BC (SEE SKETCH FOR STAMPING)	R/W4 9+081.344, 17.291m LT
1045	1321248.468	59915.495		FD 1.5" IRON PIPE W/CRIMPED TOP 3cm DEEP, O.U.	R/W4 9+594.362, 18.568m LT
1046	1321264.342	59917.046		FD 3/4" REBAR PER CS 3037, 5cm DEEP, BENT WEST	R/W4 9+579.510, 18.268m LT
1047	1321362.042	59954.221		FD TACK/WASHER "LS 759" IN TOP CURB, O.U.	R/W4 9+478.908, 9.786m LT
1048	1321376.915	59959.628		FD 3/4" REBAR W/AC "PROP COR LS 759 1983" PER CS 9529	R/W4 9+463.083, 9.955m LT
1049	1321314.265	59848.640		FD 3/4" REBAR W/YPC "LJ FRIAR & ASSOC" PER CS 16685	
1104	1321338.611	59972.162		FD 3/4" REBAR W/YPC "SWAIN LS 759" PER CS 10103	R/W4 9+494.531, 15.250m RT
1105	1321494.047	60024.087		FD 3/4" REBAR W/YPC "SWAIN LS 759" PER CS 10103	R/W4 9+330.764, 9.189m RT
1107	1321795.476	59889.250		FD REBAR W/YPC "JACKSON CO RDS & PK S SVC" PER CS 15639	R/W4 8+996.071, 9.326m RT
1109	1321733.918	59941.285		FD 3/4" REBAR PER CS 6971, 26cm DEEP	R/W4 9+074.317, 12.193m RT
1110	1321260.129	59956.425		FD 3/4" REBAR PER CS R/W2	R/W4 9+579.373, 21.335m RT
1114	1321779.228	59854.097		FD 3/4" REBAR W/YPC "HOFFER LS 1993" PER CS 11212	
1274304	1321356.824	59952.262	603.728	SET 3cm COPPER DISC IN SIDEWALK "ODOT CONTROL 1274304"	
1274305	1321544.679	60032.995	594.894	SET 3cm COPPER DISC IN TOP OF CURB "ODOT CONTROL 1274305"	
1274306	1321961.570	59639.705	586.802	SET 16mm REBAR W/AC "OREGON STATE HWY DIV CONTROL POINT 1274306"	
3	1321789.898	59890.043		FD 3/4" REBAR W/AC "OSHD HORIZ. CONTROL 3" PER CS 12880	
4	1321750.371	59937.991		FD 3/4" REBAR W/AC "OSHD HORIZ. CONTROL 4" PER CS 12880	
505	1321299.816	59926.545		SET PK NAIL W/SHINER IN SIDEWALK	
507	1322022.836	59585.702	589.307	SET 25cm SPIKE BEHIND GUARDRAIL	
508	1321906.820	59739.963	585.822	SET 25cm SPIKE	



REGISTERED PROFESSIONAL LAND SURVEYOR

John R. Pariani
 JOHN R. PARIANI
 #5182LS

RENEWAL DATE: DEC. 31, 2004
 CADD File: 12743mm3.DGN

JULY 10, 2003
OR 66: GREENSPRINGS HIGHWAY 3
 KEY No. 12743 of 3

