

NARRATIVE:

THIS SURVEY IS BY THE REQUEST OF OREGON DEPARTMENT OF TRANSPORTATION (ODOT) FOR PROPOSED ROADWAY IMPROVEMENTS. THE PURPOSE OF THIS SURVEY IS AS FOLLOWS:

1. RESOLVE EXISTING RIGHT-OF-WAY AND CENTERLINES OF PACIFIC HIGHWAY (OR.99) FROM 400 METERS NORTH OF COLVER ROAD INTERSECTION TO 300 METERS SOUTH OF RAPP ROAD INTERSECTION.
2. RESOLVE EXISTING RIGHT-OF-WAY AND CENTERLINE OF COLVER ROAD FROM INTERSECTION OF PACIFIC HIGHWAY WEST FOR 150 METERS.
3. RESOLVE EXISTING RIGHT-OF-WAY AND CENTERLINE OF SUNCREST ROAD FROM INTERSECTION OF PACIFIC HIGHWAY EAST FOR 150 METERS.
4. RESOLVE EXISTING RIGHT-OF-WAY AND CENTERLINE OF TALENT AVENUE FROM INTERSECTION WITH PACIFIC HIGHWAY SOUTH FOR 150 METERS.
5. RESOLVE EXISTING RIGHT-OF-WAY AND CENTERLINE OF NEW STREET FROM INTERSECTION OF PACIFIC HIGHWAY TO TALENT AVENUE.
6. RESOLVE EXISTING RIGHT-OF-WAY AND CENTERLINE OF WEST VALLEY VIEW ROAD FROM INTERSECTION OF PACIFIC HIGHWAY EAST AND WEST FOR 150 METERS.
7. RESOLVE EXISTING RIGHT-OF-WAY AND CENTERLINE OF RAPP ROAD FROM INTERSECTION OF PACIFIC HIGHWAY WEST FOR 150 METERS.
8. ESTABLISH A HORIZONTAL AND VERTICAL CONTROL NETWORK FOR FUTURE CONSTRUCTION.
9. PERPETUATE THE LOCATION OF EXISTING PROPERTY MONUMENTS, WHICH MAY BE DISTURBED OR DESTROYED DURING FUTURE CONSTRUCTION.

COORDINATES ARE REPORTED HERE IN METERS (TO CONVERT TO INTERNATIONAL FEET MULTIPLY BY 0.3048 EXACTLY) AND ARE BASED ON A LOCAL DATUM PLANE (L.D.P.). THIS WAS ESTABLISHED FROM THE OREGON COORDINATE SYSTEM OF 1983/91 NORTH ZONE SUPER-NET ADJUSTMENT BY APPLYING AN AVERAGE COMBINED SCALE FACTOR OF 0.99994213 FOR THE PROJECT SO THAT THE COORDINATES CLOSELY MATCHED MEASURED DISTANCES. BEARINGS SHOWN ARE STATE PLANE GRID BEARINGS, WITH TRUE NORTH BEING CLOCKWISE FROM GRID NORTH, CONVERGENCE ANGLES FOR PRIMARY CONTROL POINTS ARE SHOWN ON SHEET 2.

GPS CONTROL NETWORK:

FOR THE GLOBAL POSITIONING SYSTEM (GPS) SURVEY WE MEASURED A NETWORK OF FAST STATIC BASELINES. THIS NETWORK INCORPORATED NATIONAL GEODETIC SURVEY (NGS) GPS CONTROL POINTS ASH (PID N21326), JUSTICE (PID N21325) AND NEW DEA PROJECT POINTS 105, 115 AND 122. GPS BASELINES WERE OBSERVED USING DUAL FREQUENCY TRIMBLE 4800 RECEIVERS. THE BASELINES WERE PROCESSED AND ADJUSTED WITH TRIMBLE GEOMATIC OFFICE (TGO) VERSION 1.5 SOFTWARE. NGS RECORD ELLIPSOID HEIGHTS WERE HELD AT POINTS ASH AND JUSTICE. PROJECT ORTHOMETRIC ELEVATIONS WERE HELD AT 105, 115, AND 112 (DETERMINED BY DIFFERENTIAL LEVEL MEASUREMENTS AT 105 AND BY TERRESTRIAL TRAVERSING AT 115 AND 122). A CHECK TO NGS GPS STATION TALENT (PID N21087) WAS ALSO MEASURED AND THE GPS-DERIVED POSITION IS SHOWN HERE.

VERTICAL CONTROL:

ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). DIFFERENCES IN ELEVATION WERE MEASURED USING A WILD NA-2000 RECORDING LEVEL WITH BAR CODE RODS. AT LEAST THREE READINGS WERE TAKEN AND RECORDED TO ONE MILLIMETER FOR EACH ROD OBSERVATION. ALL DIFFERENTIAL LEVELS WERE DOUBLE RUN. ADJUSTMENT WERE MADE BY HOLDING 24 PREMARK STATIONS (P-K NAILS) THAT ODOT ESTABLISHED FOR AN AERIAL MAPPING PROJECT (NOT RECORDED) BY DIFFERENTIAL LEVELS FROM NGS BENCHMARK 7548. THE UNCONSTRAINED NETWORK PASSED THE CHI-SQUARE STATISTICS TEST USING A STANDARD DEVIATION (95% CONFIDENCE) OF 0.001 METER PER TURN, EACH TURN CONSISTING OF A MEAN BACKSIGHT AND A MEAN FORESIGHT OBSERVATION. ASSUMING NO ERROR AT THE HELD ODOT PREMARK STATIONS, THE NEW DEA STATION ELEVATION STANDARD DEVIATIONS WERE ALL 0.002 METERS OR LESS.

HORIZONTAL CONTROL NETWORK:

THE TERRESTRIAL HORIZONTAL CONTROL NETWORK WAS ESTABLISHED BY HOLDING GPS POINTS 105, 115, 122 AND PARTIALLY HOLDING 16 OF THE SAID PREMARK STATIONS WHICH WERE ESTABLISHED BY ODOT UTILIZING A RTK (REAL TIME KINEMATIC) GPS METHOD. THE TERRESTRIAL DATA WAS COLLECTED UTILIZING A LEICA TCA 1800 THEOMAT (ADJUSTED WITHIN MANUFACTURER'S SPECIFICATIONS AND CALIBRATED TO THE NGS HILLSBORO BASELINE). TWO SETS OF HORIZONTAL AND VERTICAL ANGLES WERE TURNED FORWARD AND BACK AT EACH STATION. A STANDARD PART PER MILLION (PPM) ADJUSTMENTS WAS APPLIED TO EACH MEASURED DISTANCE TO CORRECT FOR TEMPERATURE AND BAROMETRIC PRESSURE. HOLDING THE ESTABLISHED GPS CONTROL FIXED FOR HORIZONTAL, THE RTK PREMARKS PARTIALLY FIXED WITH ESTIMATED STANDARD ERRORS OF 0.020 METERS EACH IN NORTHINGS AND EASTINGS AND ALL CONTROL MONUMENT ELEVATIONS FIXED PER THE VERTICAL CONTROL NETWORK. ALL MEASUREMENTS WERE ADJUSTED SIMULTANEOUSLY USING STAR-NET, A 3D LEAST SQUARES ADJUSTMENT PROGRAM. WITH ESTIMATED ACCURACY OF 2 SECONDS IN HORIZONTAL ANGLES, 8 SECONDS IN VERTICAL ANGLES, 0.003 METERS PLUS 8 PPM IN DISTANCES AND 0.0015 METERS INSTRUMENT AND TARGET CENTERING, THE NETWORK ADJUSTED WITH VERY SMALL RESIDUALS. ALL ERROR ELLIPSES REFLECTED TWO STANDARD DEVIATIONS (95% CONFIDENCE) FOR EACH POINT LESS THAN 0.023 METERS IN ANY DIRECTION, RELATIVE TO THE HELD GPS CONTROL POINTS.

PROPERTY MONUMENTS WERE TIED FROM THE CONTROL NETWORK USING SETS OF ANGLES FROM TWO DIFFERENT BACKSIGHTS. ERROR ELLIPSES FOR TIED MONUMENTS SHOWED THAT THEIR POSITIONS ARE KNOWN WITHIN 0.013 METERS (95% CONFIDENCE), RELATIVE TO THE CONTROL NETWORK.

PACIFIC HIGHWAY (OR 99):

THIS RESOLUTION COVERS A PORTION OF PACIFIC HIGHWAY FROM 400 METERS NORTHERLY OF THE INTERSECTION OF COLVER ROAD, SOUTHERLY TO 300 METERS SOUTH OF RAPP ROAD THROUGH THE CITY OF TALENT. I RETRACED OREGON STATE HIGHWAY DEPARTMENT MAP 5B-7-22 (TALENT-BEAR CREEK SEC. PACIFIC HIGHWAY 1937). I HELD POINT NUMBER 524 (ORIGINAL MONUMENT SET AT ODOT STATION 245+00 POT) AND POINT NUMBER 500 (ORIGINAL MONUMENT SET AT ODOT STATION 230+00 POT) AND 15,240 METERS (50.00 FEET) SOUTHWEST OF THIS LINE FOR THE CENTERLINE TANGENT NORTH OF THE INTERSECTION OF COLVER ROAD (BETWEEN STATIONS 6+726.688 AND 7+467.564). THIS SOLUTION MATCHES WITHIN 0.043 METERS (0.14 FEET) OF OTHER MONUMENTS FOUND ALONG THE RIGHT-OF-WAY LINES AT POINT NUMBERS 501, 502, 522 AND 523 AS SHOWN. I HELD POINT NUMBER 528 (ORIGINAL MONUMENT SET AT ODOT STATION 208+97.70 PS) AND POINT NUMBER 533 (ORIGINAL MONUMENT SET AT ODOT STATION 165+00 POT) AND 15,240 METERS WEST (50.00 FEET) OF THIS LINE FOR THE CENTERLINE TANGENT SOUTH OF INTERSECTION OF COLVER ROAD (BETWEEN STATIONS 4+573.022 AND 6+368.095). THIS SOLUTION MATCHED WITHIN 0.015 METERS (0.05 FEET) OF OTHER MONUMENTS FOUND ALONG THE CENTERLINE OR RIGHT-OF-WAY LINES AT POINT NUMBERS 520, 521, 532, 534, 536, 538, 540, 542 AND 552 AS SHOWN. THE CENTERLINE CURVE AT COLVER ROAD WAS THEN REESTABLISHED BY HOLDING REESTABLISHED TANGENTS AND RECORD DEGREE OF CURVE (2°) AND, RECORD SPIRAL LENGTHS. THIS SOLUTION MATCHED CLOSELY WITH RECORD TOTAL DELTA FOR THE CURVE (15° 31' 47" MEASURED, 15° 31' RECORD). THE STATIONING WAS ESTABLISHED BY HOLDING RECORD FEET STATIONING AT 208+92.7 AT THE CALCULATED POINT OF SPIRAL AND CONVERTING THIS TO METRIC (STATION 6+368.095). I HELD BASE RIGHT-OF-WAY WIDTH OF 15.240 METERS (50.00 FEET) EACH SIDE OF CENTERLINE PER DEDICATION DEEDS AND ODOT MAP NO. 5B-7-22. ADDITIONAL RIGHT-OF-WAY WIDTH ARE PER DEED AS SHOWN.

COLVER ROAD:

THE PORTION OF COLVER ROAD BETWEEN STATIONS 1+000 AND 1+416.724 WAS RE-ESTABLISHED BY HOLDING MONUMENTS 504 AND 516 ON THE NORTHERLY RIGHT-OF-WAY LINE PER CS 14898. THE CENTERLINE WAS ESTABLISHED 9.754 METERS (32.00 FEET) SOUTH PER SAID CS 14898 AND LEGALIZATION DOCUMENT NO. 92-01263. THE SOUTH RIGHT-OF-WAY LINE WAS RE-ESTABLISHED AT RECORD STATION AND OFFSET POSITIONS. THE CENTERLINE STATIONING IS ASSUMED AT 1+000 AT THE INTERSECTION OF PACIFIC HIGHWAY (OR 99).

SUNCREST ROAD:

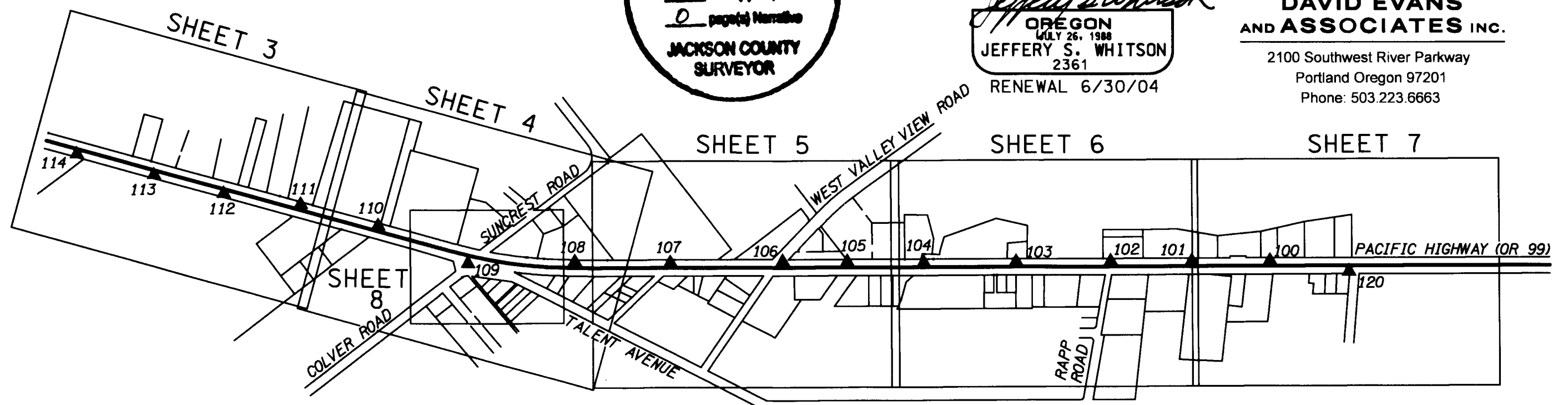
THE PORTION OF SUNCREST ROAD BETWEEN STATIONS 1+000 AND 1+259.234 WAS RE-ESTABLISHED BY HOLDING THE D.L.C. LINE BETWEEN MONUMENTS 575 AND 519 FOR THE SOUTH RIGHT-OF-WAY LINE. THE CENTERLINE WAS RE-ESTABLISHED 4.572 METERS (15.00 FEET) NORTH AS SHOWN ON CS 15974 AND THE PLAT OF AUTUMN RIDGE SUBDIVISION. THE NORTHERLY RIGHT-OF-WAY LINE WAS RE-ESTABLISHED 7.620 METERS (25.00 FEET) AND 10.668 METERS (35.00 FEET) NORTH OF THE CENTERLINE PER THE PLAT OF AUTUMN RIDGE SUBDIVISION AND DOCUMENT NO. 99-44116A. THE CENTERLINE STATIONING IS ASSUMED AT 1+000 AT THE INTERSECTION OF PACIFIC HIGHWAY (OR 99).

TALENT AVENUE:

THE PORTION OF TALENT AVENUE BETWEEN 6+435.639 AND 7+051.381 WAS RE-ESTABLISHED BY RETRACING ODOT DRG NO. 5B-7-22, CS 13555 AND CS 15974. TO BEGIN I NEEDED TO RETRACE THE CENTERLINE OF COLVER ROAD AS SHOWN ON ODOT'S DRG. NO. 5B-7-22. THE SURVEY PERFORMED BY STEWART LAND SURVEYS IN CS 15974 SHOWS STRONG EVIDENCE THAT ODOT USED A DIFFERENT RETRACEMENT OF THE D.L.C. LINE FOR THE CENTERLINE OF COLVER ROAD IN DRG. NO. 5B-7-22, DATED MARCH 1937. AS SHOWN ON SHEET 8, I CALCULATED THIS PRIOR D.L.C. LINE PER CS 15974 BY HOLDING MONUMENT NO. 575 AND RECORD ANGLE RELATIONSHIP FROM THE EXISTING D.L.C. LINE BETWEEN MONUMENT NOS. 575 AND 519. I THEN HELD MONUMENTS 116 AND 555 FOR THE TANGENT BETWEEN STATIONS 6+435.639 AND 6+931.522 WHICH WAS ESTABLISHED IN CS 13555 AND RE-ESTABLISHED IN CS 15807. I THEN EXTENDED THIS TANGENT TO INTERSECT SAID PRIOR D.L.C. LINE. I HELD RECORD CALCULATED DISTANCE SOUTHEASTERLY (79.405 METERS) TO RE-ESTABLISH THE P.I. POSITION. I HELD RECORD DEFLECTION (19° 20' 00") AND RECORD RADIUS PER SAID ODOT DRG NO. 5B-7-22 AND CIRCUIT COURT FINAL JUDGEMENT CASE NO. 53-96-1, DATED JULY 15, 1953 AS SHOWN. THE WESTERLY RIGHT-OF-WAY LINE WAS HELD RECORD (7.620 METERS-25.00 FEET) FROM THE RE-ESTABLISHED CENTERLINE PER SAID CIRCUIT COURT CASE. THE REMAINING RIGHT-OF-WAY WAS RECORD (9.144 METERS-30.00 FEET EACH SIDE OF CENTERLINE) AS SHOWN ON ODOT DRG. NO. 4B-6-2, DATED OCTOBER 1925. THE CENTERLINE STATIONING IS BASED ON ODOT DRG. NO. 4B-6-2 BY HOLDING THE P.T. STATION AT 6+435.639 (211+14.3) NEAR MONUMENT 555 (SEE SHEET 5). SHEET 5 ALSO SHOWS THE RETRACEMENT OF THE CENTERLINE FROM 5+796.533 TO 6+435.639 P.T., HOLDING MONUMENTS 118 AND 555 AND RECORD DEGREE OF CURVE (14°) PER ODOT DRG. 4B-6-2.

SHEET INDEX:

- SHEET 1 NARRATIVE, CONTROL AND SHEET LAYOUT
- SHEET 2 G.P.S. SURVEY AND GEODETIC/STATE PLANE COORDINATE LIST
- SHEETS 3-7 MAPPING AND MONUMENT TABLES
- SHEET 8 DETAIL SHEET OF TALENT AVENUE/COLVER ROAD



MONUMENT RECOVERY, RETRACEMENT AND CONTROL SURVEY

PREPARED BY
DAVID EVANS AND ASSOCIATES, INC

FOR
OREGON DEPT. OF TRANSPORTATION
PROJECT: PACIFIC HIGHWAY (OR 99)

SITUATED IN THE NW 1/4, SW 1/4 & SE 1/4
OF SECTION 23 & NW 1/4 OF SECTION 25 &
NE 1/4 OF SECTION 26 IN TOWNSHIP 38 SOUTH
AND RANGE 1 WEST OF THE WILLAMETTE MERIDIAN,
JACKSON COUNTY, OREGON

O.D.O.T. KEY NO. 12380 JUNE 27, 2003 SHEET 1 OF 8

NEW STREET:

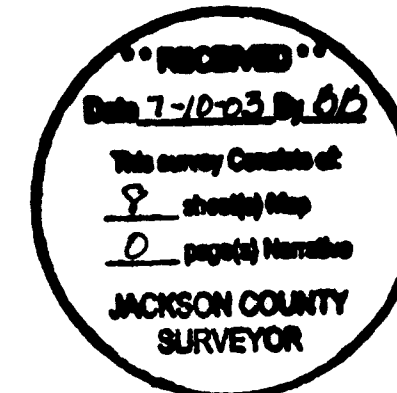
I RETRACED CS 13555 FOR THE CENTERLINE OF NEW STREET. I HELD MONUMENT NO. 521 FOR THE CENTERLINE OF NEW STREET AT THE INTERSECTION WITH PACIFIC HIGHWAY AND RECORD DISTANCE (40.92 FEET) SOUTHEAST OF MONUMENT NO. 116 PER CS 13555 FOR THE CENTERLINE INTERSECTION OF NEW STREET AND TALENT AVENUE AS SHOWN. I DID NOT FIND ANY DEDICATION DOCUMENT FOR THIS ROADWAY. I HELD THE RIGHT-OF-WAY WIDTH AT 6.096 METERS (20.00 FEET) EACH SIDE OF CENTERLINE AS SHOWN ON CS 5883, 8291, 13555 AND 15096. THE CENTERLINE STATIONING IS ASSUMED 1+000 AT THE INTERSECTION OF PACIFIC HIGHWAY (OR 99).

WEST VALLEY VIEW ROAD:

I RETRACED CS 13267, 13555 AND 14907 FOR THE CENTERLINE OF WEST VALLEY VIEW ROAD. I HELD MONUMENT NO. 117 AT THE INTERSECTION OF WEST VALLEY VIEW ROAD AND TALENT AVENUE AND MONUMENT NO. 544 AT THE ANGLE POINT FOR THE TANGENT WEST OF PACIFIC HIGHWAY PER CS 13555. I HELD MONUMENT NOS. 544 AND 546 FOR THE TANGENT EAST OF PACIFIC HIGHWAY AND WEST OF THE POINT OF CURVE AT STATION 4+508.632. I THEN HELD MONUMENT NOS. 547 AND 548 PER CS 14907 FOR THE TANGENT EAST OF POINT OF TANGENT AND RECORD RADIUS FOR THE CURVE. THE DELTA MATCHED WITHIN 20 SECONDS PER CS 14907 AS SHOWN. THE RIGHT-OF-WAY WIDTH WAS HELD AT 7.620 METERS (25.00 FEET) FOR BOTH SIDES OF THE CENTERLINE FOR THE PORTION OF WEST VALLEY VIEW ROAD BETWEEN TALENT AVENUE AND PACIFIC HIGHWAY AS SHOWN ON CS 13267. THE RIGHT-OF-WAY WIDTH VARIES ON THE EAST SIDE OF PACIFIC HIGHWAY AND IS HELD PER RIGHT-OF-WAY DEDICATION DOCUMENTS AS SHOWN. THE CENTERLINE STATIONING IS BASED ON CS 13267 BY HOLDING STATION 4+638.721 (152+18.9) AT THE ANGLE POINT AT MONUMENT NO. 544.

RAPP ROAD:

I RETRACED CS 516, CS 13555 AND THE PLAT OF PACIFIC ESTATES-UNIT NO. 1 FOR THE CENTERLINE OF RAPP ROAD. I HELD 0.216 METER (0.71 FEET) SOUTHEAST OF MONUMENT NO. 118 AS SHOWN ON CS 13555 AND PACIFIC ESTATES-UNIT NO. 1 AND 6.096 METERS (20 FEET) SOUTHEAST OF MONUMENT NO. 561 TO REESTABLISH THE CENTERLINE AS SHOWN. THESE SOLUTIONS MATCH WELL WITH CENTERLINE ANGLE RELATIONSHIPS BETWEEN RAPP ROAD AND TALENT AVENUE AND BETWEEN RAPP ROAD AND PACIFIC HIGHWAY PER CS 516 AND PACIFIC ESTATE-UNIT NO. 1 AS SHOWN. THE RIGHT-OF-WAY WAS HELD AT 6.096 METERS (20.00 FEET) EACH SIDE OF CENTERLINE AS SHOWN ON SAID CS 516 AND PACIFIC ESTATES- UNIT NO. 1. THE CENTERLINE STATIONING IS ASSUMED 1+000 AT THE INTERSECTION OF PACIFIC HIGHWAY (OR 99).



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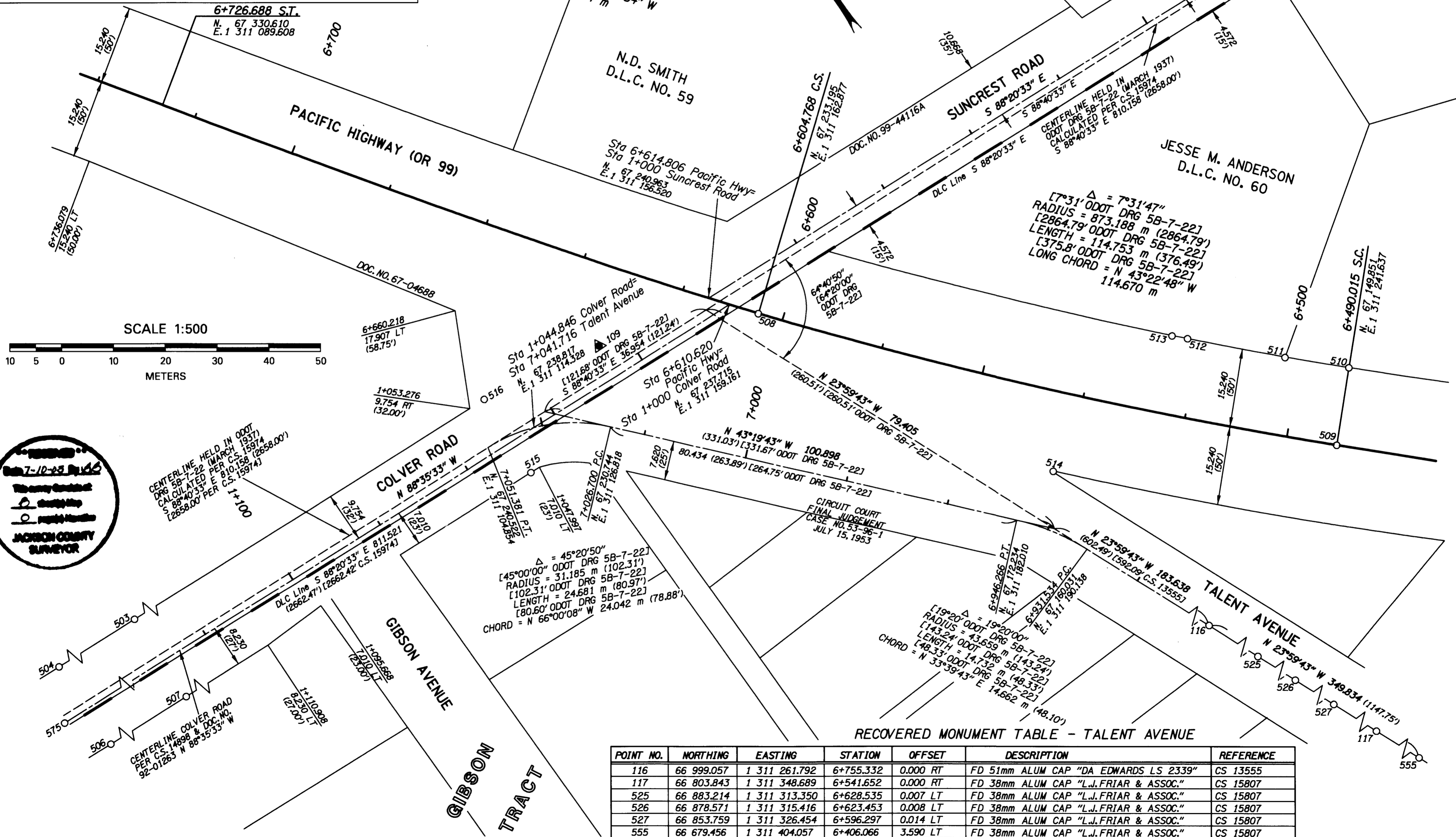
O.D.O.T. KEY NO. 12380 JUNE 27, 2003 SHEET 8 OF 8

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REGISTERED PROFESSIONAL LAND SURVEYOR

Jeffery S. Whitson
JEFFERY S. WHITSON
OREGON
7 JULY 26, 1984
2361
RENEWAL 6/30/04

NOTES:
SEE SHEET 3 FOR LEGEND
SEE SHEET 4 FOR ADDITIONAL MONUMENT
TABLES AND INFORMATION



RECOVERED MONUMENT TABLE - TALENT AVENUE

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
116	66 999.057	1 311 261.792	6+755.332	0.000 RT	FD 51mm ALUM CAP "DA EDWARDS LS 2339"	CS 13555
117	66 803.843	1 311 348.689	6+541.652	0.000 RT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
525	66 883.214	1 311 313.350	6+628.535	0.007 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
526	66 878.571	1 311 315.416	6+623.453	0.008 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
527	66 853.759	1 311 326.454	6+596.297	0.014 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
555	66 679.456	1 311 404.057	6+406.066	3.590 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807



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JACKSON COUNTY, OREGON

O.D.O.T. KEY NO. 12380 JUNE 27, 2003 SHEET 7 OF 8

RECOVERED MONUMENT TABLE - PACIFIC HIGHWAY (OR 99)

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
531	66 302.159	1 312 313.668	5+123.326	15.253 RT	FD 16mm IRON ROD	CS 2961
532	66 249.750	1 312 378.701	5+039.803	15.239 RT	FD 19mm IRON ROD	CS 2961
533	66 243.725	1 312 386.181	5+030.198	15.240 RT	FD 19mm IRON ROD	ODOT DWG 5B-7-22
534	66 172.608	1 312 425.887	4+954.662	15.232 LT	FD 16mm IRON ROD W/YPC "VERLYN THOMAS LS 505"	CS 11250
535	66 201.147	1 312 390.499	5+000.124	15.208 LT	FD 16mm IRON ROD W/YPC "VERLYN THOMAS LS 505"	CS 11250
536	66 187.741	1 312 407.112	4+978.777	15.225 LT	FD 16mm IRON ROD W/YPC "VERLYN THOMAS LS 505"	CS 11250
537	66 069.138	1 312 554.344	4+789.716	15.219 LT	FD 19mm IRON ROD	ODOT DWG 5B-7-22
538	66 091.555	1 312 575.060	4+787.647	15.234 RT	FD 16mm IRON ROD	CS 13164
539	65 956.863	1 312 742.160	4+573.022	15.176 RT	FD 19mm IRON ROD	ODOT DWG 5B-7-22

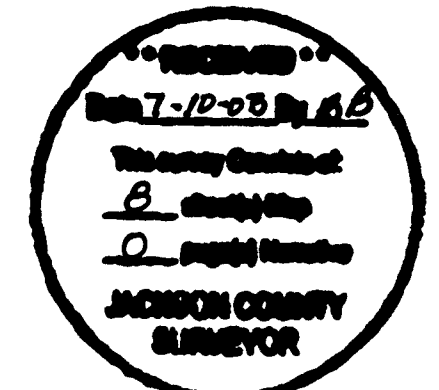
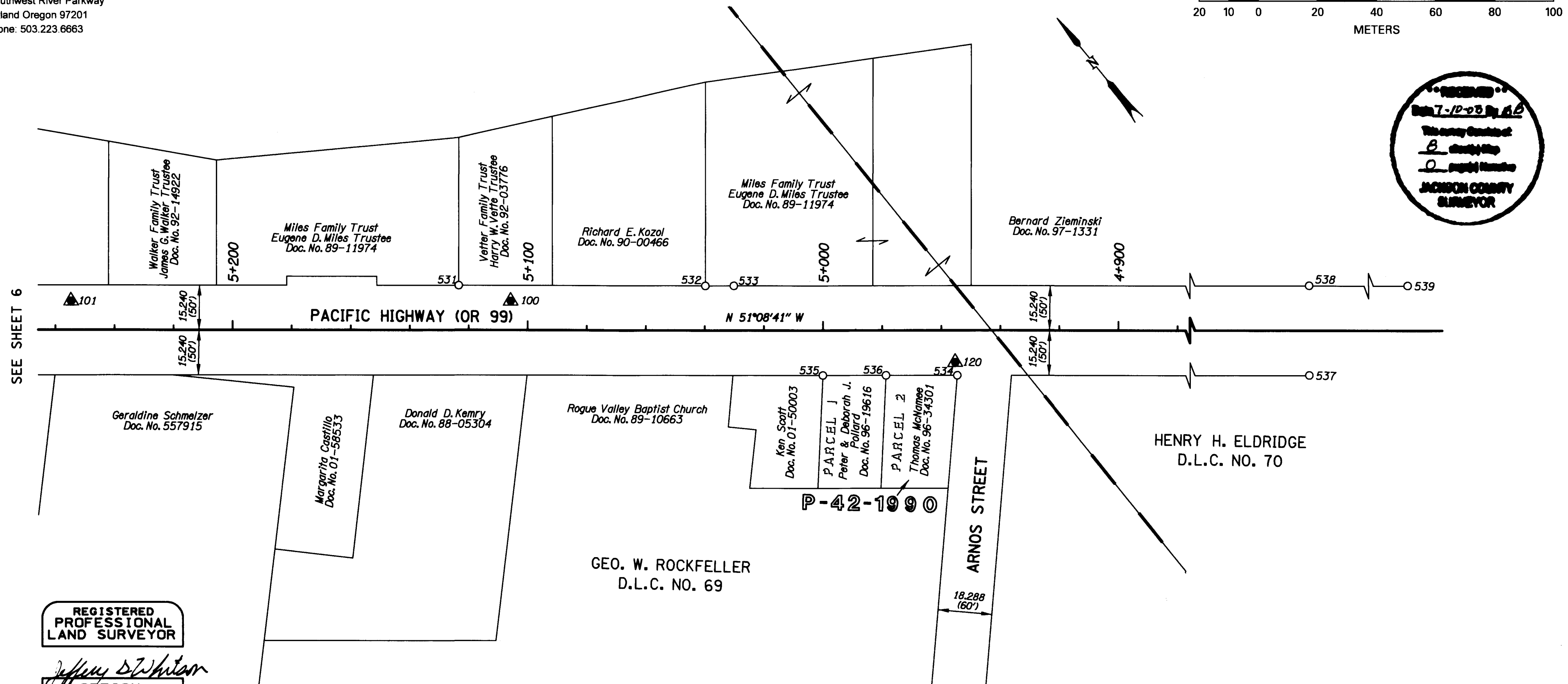
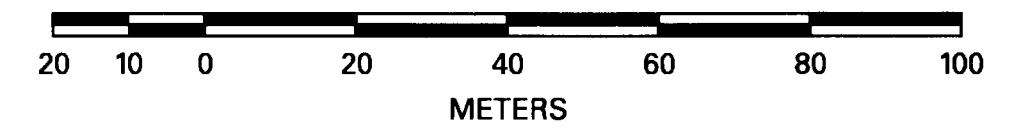


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NOTE:
SEE SHEET 3 FOR LEGEND

SCALE 1:1000



SEE SHEET 6

REGISTERED PROFESSIONAL LAND SURVEYOR

Jeffery S. Whitson
OREGON
JULY 25, 1988
JEFFERY S. WHITSON
2361
RENEWAL 6/30/04

CONTROL NETWORK MONUMENTS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	66 286.930	1 312 324.019	491.794	SET 13mm IRON ROD W/RPC "DEA CONTROL"
101	66 380.259	1 312 208.009	490.347	SET 13mm IRON ROD W/RPC "DEA CONTROL"
120	66 176.469	1 312 428.120	493.334	SET 13mm IRON ROD W/RPC "DEA CONTROL"



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RECOVERED MONUMENT TABLE - PACIFIC HIGHWAY (OR 99)

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
540	66 727.679	1 311 785.434	5+801.630	15.230 RT	FD 16mm IRON ROD	CS 13267
541	66 707.728	1 311 810.323	5+769.732	15.308 RT	FD 19mm IRON PIPE	CS 1701
542	66 693.029	1 311 828.461	5+746.387	15.240 RT	FD 19mm IRON PIPE	ODOT DRG 5B-7-22
550	66 490.368	1 312 080.230	5+423.185	15.369 RT	FD 16mm IRON ROD W/YPC "R.BATH LS 1069"	CS 12372
551	66 442.518	1 312 139.498	5+347.012	15.289 RT	FD 16mm IRON ROD	CS 2961
552	66 597.603	1 311 946.912	5+594.278	15.240 RT	FD 25mm IRON PIPE	XXX
553	66 593.401	1 311 903.511	5+625.441	15.261 LT	FD 16mm IRON ROD W/YPC "L.J.FRIAR & ASSOC."	CS 15681
554	66 597.214	1 311 898.770	5+631.525	15.265 LT	FD 16mm IRON ROD W/YPC "L.J.FRIAR & ASSOC."	CS 15681

RECOVERED MONUMENT TABLE - RAPP ROAD

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
118	66 296.854	1 311 879.281	1+265.684	0.213 RT	FD 51mm ALUM CAP "DA EDWARDS LS 2339"	CS 13555
560	66 425.160	1 312 038.091	1+061.637	6.712 LT	FD 25mm IRON PIPE	CS 516
561	66 423.771	1 312 016.920	1+078.553	6.096 RT	FD 16mm IRON ROD	PACIFIC ESTATES UNIT NO. 1
562	66 410.056	1 312 001.027	1+099.546	6.126 RT	FD 25mm IRON PIPE	CS 1425

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JULY 26, 1988
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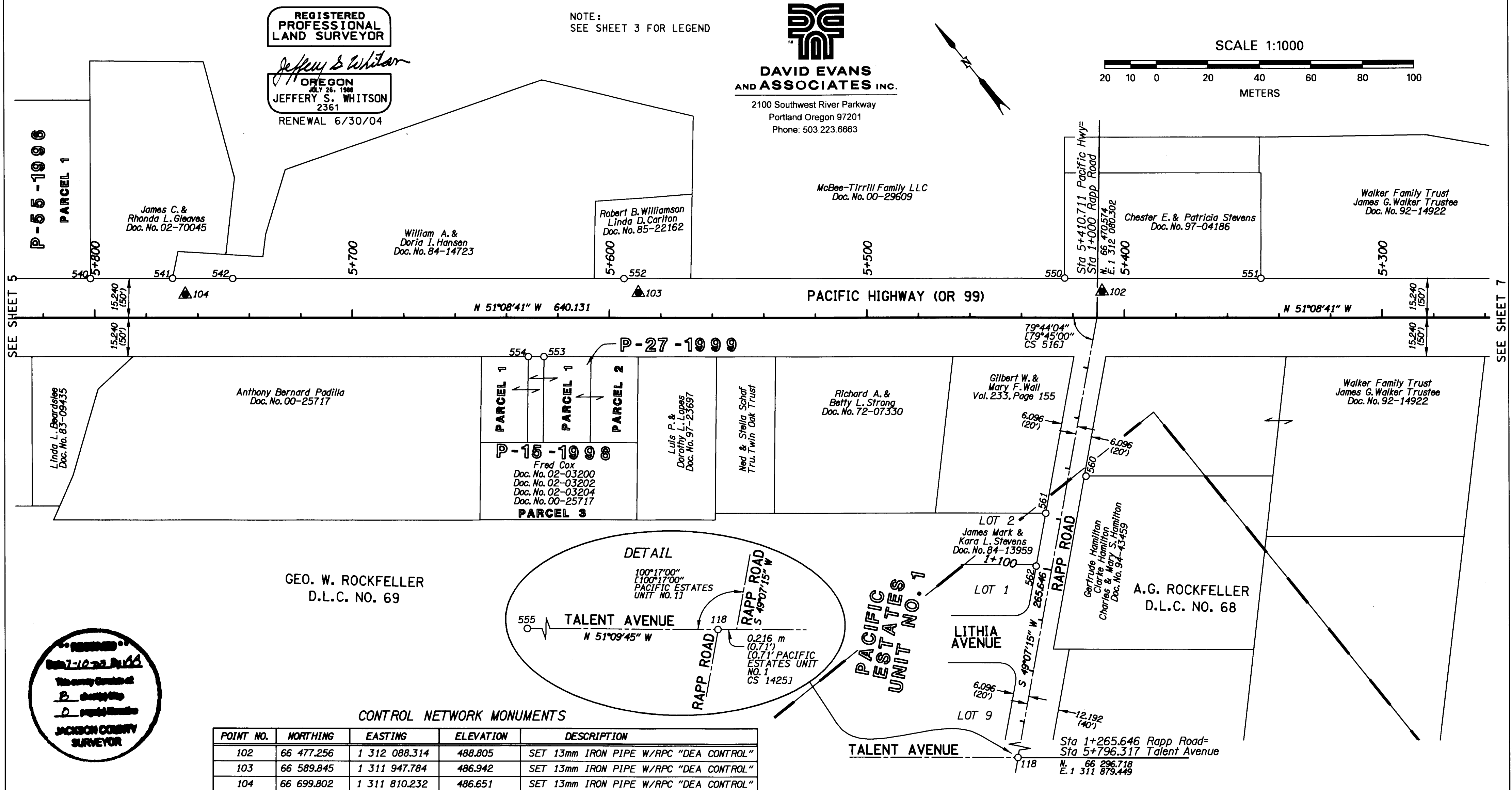
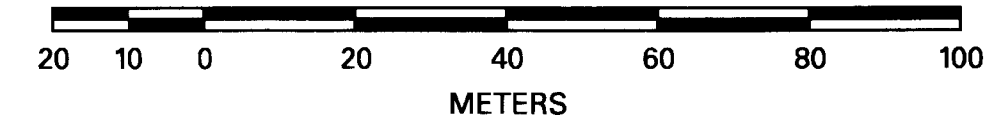
NOTE:
SEE SHEET 3 FOR LEGEND



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SEE SHEET 5

SEE SHEET 7



GEO. W. ROCKFELLER
D.L.C. NO. 69

CONTROL NETWORK MONUMENTS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
102	66 477.256	1 312 088.314	488.805	SET 13mm IRON PIPE W/RPC "DEA CONTROL"
103	66 589.845	1 311 947.784	486.942	SET 13mm IRON PIPE W/RPC "DEA CONTROL"
104	66 699.802	1 311 810.232	486.651	SET 13mm IRON PIPE W/RPC "DEA CONTROL"

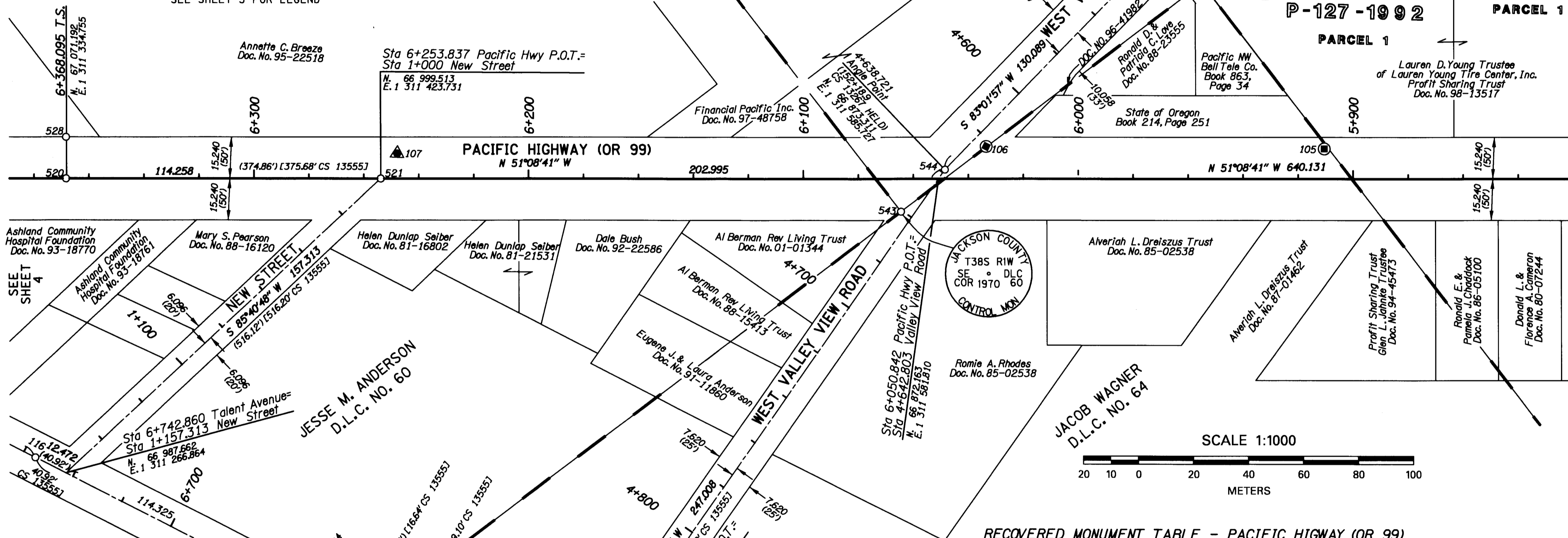
RECOVERED MONUMENT TABLE - TALENT AVENUE

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
116	66 999.057	1 311 261.792	6+755.332	0.000 RT	FD 51mm ALUM CAP "DA EDWARDS LS 2339"	CS 13555
117	66 803.843	1 311 348.689	6+541.652	0.000 RT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
118	66 296.854	1 311 879.281	5+796.533	0.000 RT	FD 51mm ALUM CAP "DA EDWARDS LS 2339"	CS 13555
525	66 883.214	1 311 313.350	6+628.535	0.007 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
526	66 878.571	1 311 315.416	6+623.453	0.008 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
527	66 853.759	1 311 326.454	6+596.297	0.014 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
555	66 679.456	1 311 404.057	6+406.066	3.590 LT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807

RECOVERED MONUMENT TABLE - VALLEY VIEW ROAD

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
117	66 803.843	1 311 348.689	4+885.729	0.000 RT	FD 38mm ALUM CAP "L.J. FRIAR & ASSOC."	CS 15807
544	66 873.311	1 311 585.727	4+638.721	0.000 RT	FD 51mm BRASS CAP "DA EDWARDS LS 2339"	CS 13555
545	66 889.679	1 311 702.009	4+521.313	2.142 RT	FD 63mm BRASS CAP IN CONC IN PVC	JACKSON COUNTY
546	66 889.085	1 311 714.805	4+508.683	0.000 RT	FD 63mm BRASS CAP "L.J. FRIAR & ASSOC."	CS 14907
547	66 892.046	1 311 783.119	4+440.234	0.000 RT	FD 63mm BRASS CAP "L.J. FRIAR & ASSOC."	CS 14907
548	66 890.570	1 311 825.160	4+398.168	0.000 RT	FD 63mm BRASS CAP "L.J. FRIAR & ASSOC."	CS 14907
549	66 882.220	1 311 992.661	4+230.459	0.000 RT	FD 63mm BRASS CAP "L.J. FRIAR & ASSOC."	CS 14907

NOTE:
SEE SHEET 3 FOR LEGEND



REGISTERED PROFESSIONAL LAND SURVEYOR
Jeffery S. Whitson
JEFFERY S. WHITSON
2361
RENEWAL 6/30/04

RECOVERED
DATE 7-2-03 BY A.E.
This survey consists of
B. boundary
D. points
JACKSON COUNTY SURVEYOR

RECOVERED MONUMENT TABLE - PACIFIC HIGHWAY (OR 99)

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
520	67 071.334	1 311 334.561	6+368.335	0.011 LT	FD 51mm BRASS CAP IN MON WELL "DA EDWARDS LS 2338"	CS 13555
521	66 999.514	1 311 423.746	6+253.826	0.010 RT	FD 51mm ALUM CAP IN MON WELL "DA EDWARDS LS 2338"	CS 13555
528	67 083.195	1 311 344.149	6+368.309	15.240 RT	FD 16mm IRON ROD	ODOT DWG 5B-7-22
543	66 871.359	1 311 563.642	6+064.486	12.023 LT	FD 70mm BRASS CAP IN MON WELL	JACKSON COUNTY
544	66 873.311	1 311 585.727	6+048.512	3.351 RT	FD 51mm BRASS CAP "LS 2339"	CS 13555

DAVID EVANS AND ASSOCIATES INC.
2100 Southwest River Parkway
Portland Oregon 97201
Phone: 503.223.6663

CONTROL NETWORK MONUMENTS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
105	66 772.674	1 311 698.054	488.010	SET 30mm BRASS CAP "DEA CONTROL"
106	66 870.458	1 311 602.723	489.399	SET 30mm BRASS CAP "DEA CONTROL"
107	67 002.918	1 311 434.174	490.493	SET 13mm IRON ROD W/RPC "DEA CONTROL"
117	66 803.842	1 311 348.689	495.171	FD 38mm ALUM CAP

METRIC SURVEY
MONUMENT RECOVERY, RETRACEMENT AND CONTROL SURVEY
PREPARED BY
DAVID EVANS AND ASSOCIATES, INC
FOR
OREGON DEPT. OF TRANSPORTATION
PROJECT: PACIFIC HIGHWAY (OR 99)
SITUATED IN THE NW 1/4, SW 1/4 & SE 1/4 OF SECTION 23 & NW 1/4 OF SECTION 25 & NE 1/4 OF SECTION 26 IN TOWNSHIP 38 SOUTH AND RANGE 1 WEST OF THE WILLAMETTE MERIDIAN, JACKSON COUNTY, OREGON
O.D.O.T. KEY NO. XXXX MAY 30, 2003 SHEET 5 OF 8

SEE SHEET 6

RECOVERED MONUMENT TABLE - PACIFIC HIGHWAY (OR 99)

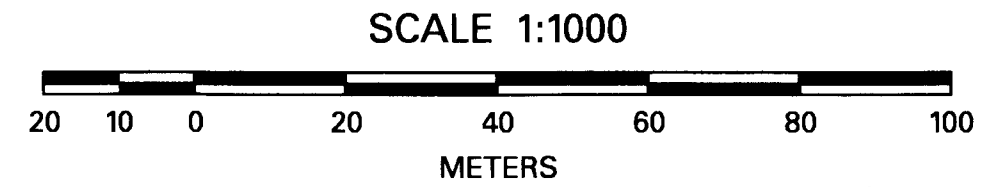
POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
501	67 447.341	1 310 987.286	6+881.171	15.205 LT	FD 16mm IRON ROD	CS 12644
508	67 233.166	1 311 162.786	6+604.768	0.089 LT	FD 51mm BRASS CAP IN MON WELL "DA EDWARDS LS 2338"	CS 13555
509	67 149.986	1 311 241.433	6+490.256	0.039 LT	FD 51mm BRASS CAP IN MON WELL "DA EDWARDS LS 2338"	CS 13555
510	67 161.153	1 311 251.780	6+490.271	15.184 RT	FD 16mm IRON ROD INSIDE 45mm IRON PIPE	ODOT DWG 5B-7-22
511	67 169.653	1 311 242.649	6+502.966	15.110 RT	FD 25mm IRON PIPE W/TACK	CS 242
512	67 183.104	1 311 229.025	6+522.449	15.207 RT	FD 25mm IRON PIPE W/TACK	NO RECORD
513	67 185.237	1 311 226.814	6+525.575	15.147 RT	FD 63mm IRON PIPE	NO RECORD
514	67 176.163	1 311 193.110	6+542.594	15.327 LT	FD 19mm IRON PIPE	NO RECORD
520	67 071.334	1 311 334.561	6+368.335	0.011 LT	FD 51mm BRASS CAP IN MON WELL "DA EDWARDS LS 2338"	CS 13555
528	67 083.195	1 311 344.149	6+368.309	15.240 RT	FD 16mm IRON ROD	ODOT DWG 5B-7-22

RECOVERED MONUMENT TABLE - COLVER ROAD

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
503	67 254.717	1 310 865.707	1+293.783	9.788 RT	FD 16mm IRON ROD W/YPC "JACKSON CO. PUBLIC WORKS"	CS 14898
504	67 257.702	1 310 742.802	1+416.723	9.754 RT	FD 16mm IRON ROD W/YPC "JACKSON CO. PUBLIC WORKS"	CS 14898
506	67 239.737	1 310 742.340	1+416.744	8.217 LT	FD 16mm IRON ROD W/YPC "JACKSON CO. PUBLIC WORKS"	CS 14898
507	67 236.708	1 310 865.250	1+293.796	8.227 LT	FD 16mm IRON ROD W/YPC "JACKSON CO. PUBLIC WORKS"	CS 14898
515	67 231.901	1 311 109.061	1+049.941	7.043 LT	FD 16mm IRON ROD W/YPC "JACKSON CO. PUBLIC WORKS"	CS 14898
516	67 248.693	1 311 109.467	1+049.948	9.754 RT	FD 16mm IRON ROD W/YPC "JACKSON CO. PUBLIC WORKS"	CS 14898
575	67 250.996	1 310 651.725	1+507.608	0.813 RT	FD 63mm BRASS CAP "T38S R1W SW DLC 59 CS 1989"	JACKSON COUNTY

CONTROL NETWORK MONUMENTS

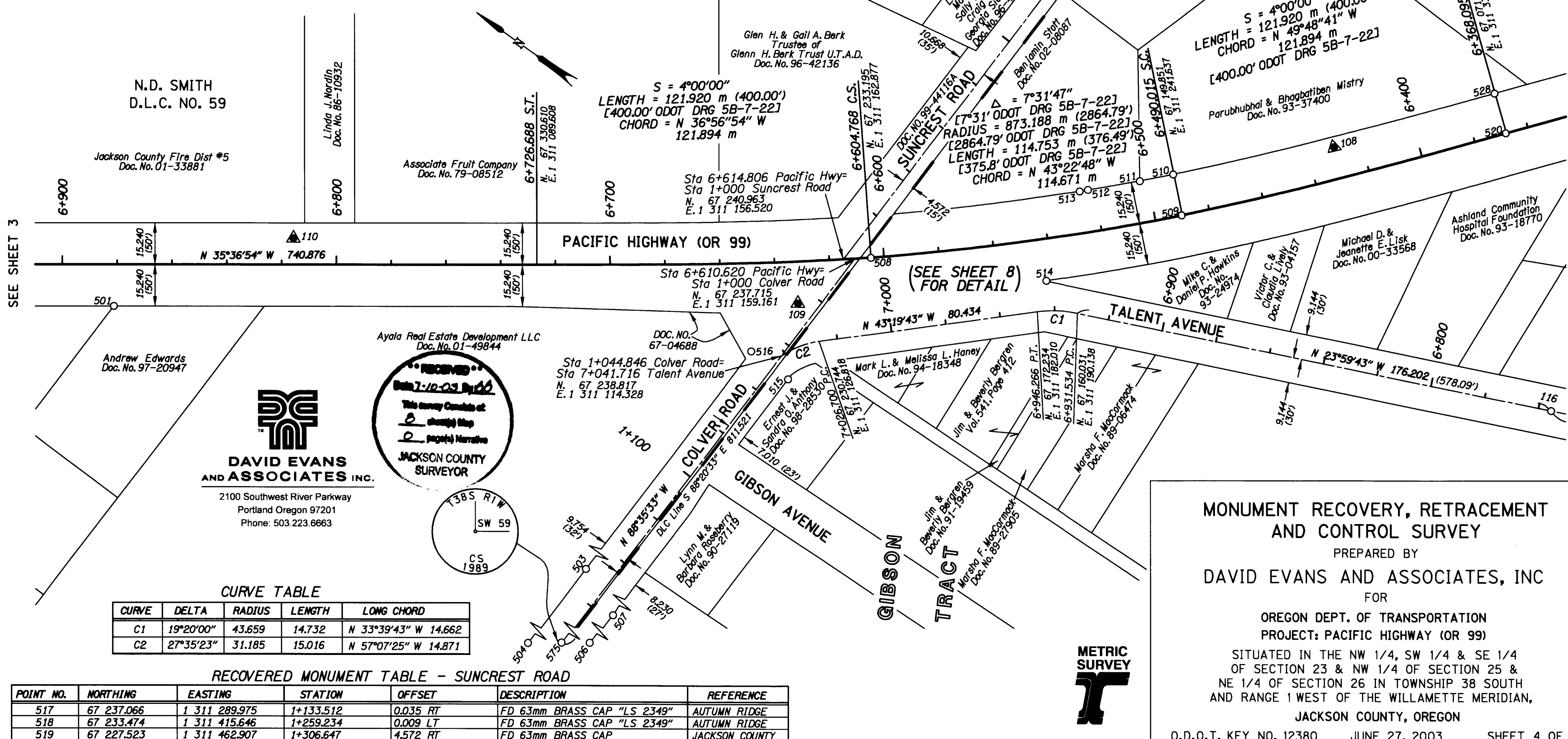
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
108	67 119.243	1 311 293.966	490.790	SET 13mm IRON ROD W/RPC "DEA CONTROL"
109	67 245.065	1 311 133.732	490.139	SET 13mm IRON ROD W/RPC "DEA CONTROL"
110	67 408.522	1 311 045.638	487.348	SET 13mm IRON ROD W/RPC "DEA CONTROL"
116	66 999.057	1 311 261.792	493.136	FD 51mm ALUM CAP "DA EDWARDS LS 2339"



NOTE: SEE SHEET 3 FOR LEGEND

REGISTERED PROFESSIONAL LAND SURVEYOR

JEFFERY S. WHITSON
JULY 26, 1988
RENEWAL 6/30/04



SEE SHEET 3

SEE SHEET 5

DAVID EVANS AND ASSOCIATES INC.
2100 Southwest River Parkway
Portland Oregon 97201
Phone: 503.223.6663

RECOVERED MONUMENTS
This survey consists of:
- (Symbol) Map
- (Symbol) Narrative
- (Symbol) Jackson County Surveyor

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	LONG CHORD
C1	19°20'00"	43.659	14.732	N 33°39'43" W 14.662
C2	27°35'23"	31.185	15.016	N 57°07'25" W 14.871

RECOVERED MONUMENT TABLE - SUNCREST ROAD

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
517	67 237.066	1 311 289.975	1+133.512	0.035 RT	FD 63mm BRASS CAP "LS 2349"	AUTUMN RIDGE
518	67 233.474	1 311 415.646	1+259.234	0.009 LT	FD 63mm BRASS CAP "LS 2349"	AUTUMN RIDGE
519	67 227.523	1 311 462.907	1+306.647	4.572 RT	FD 63mm BRASS CAP	JACKSON COUNTY

MONUMENT RECOVERY, RETRACEMENT AND CONTROL SURVEY

PREPARED BY
DAVID EVANS AND ASSOCIATES, INC

FOR
OREGON DEPT. OF TRANSPORTATION
PROJECT: PACIFIC HIGHWAY (OR 99)

SITUATED IN THE NW 1/4, SW 1/4 & SE 1/4
OF SECTION 23 & NW 1/4 OF SECTION 25 &
NE 1/4 OF SECTION 26 IN TOWNSHIP 38 SOUTH
AND RANGE 1 WEST OF THE WILLAMETTE MERIDIAN,
JACKSON COUNTY, OREGON



MONUMENT RECOVERY, RETRACEMENT AND CONTROL SURVEY

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JACKSON COUNTY, OREGON

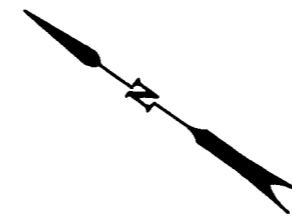
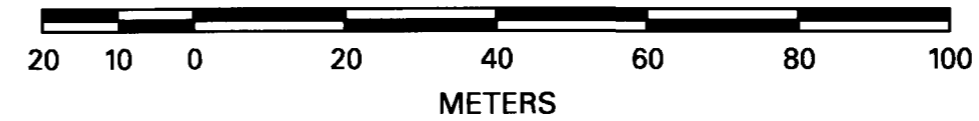
O.D.O.T. KEY NO. 12380 JUNE 27, 2003 SHEET 3 OF 8



DAVID EVANS AND ASSOCIATES INC.

2100 Southwest River Parkway
Portland Oregon 97201
Phone: 503.223.6663

SCALE 1:1000



REGISTERED PROFESSIONAL LAND SURVEYOR

Jeffery S. Whitson
OREGON
JULY 25, 1988
JEFFERY S. WHITSON
2361
RENEWAL 6/30/04

RECEIVED
Date 7-10-03
This survey consists of:
B sheets) Map
D page(s) Narrative
JACKSON COUNTY SURVEYOR

P-70-1995

N.D. SMITH
D.L.C. NO. 59

P-91-1995

PARCEL 2

PARCEL 2

Community Works
Doc. No. 97-25709

Randy L. Frischman &
Kathy D. Russell
Doc. No. 87-18471

Robert M. Frischman
Doc. No. 77-24472

Annette E. Carter
Doc. No. 99-08328

Fredrick M. &
Marie R. Pearson
Doc. No. 75-01702

Lowell E. & Virginia R.
Fowler Trustee
Fowler Living Trust
Doc. No. 98-34248

7+467.564 P.O.T.
N. 67 932.903
E. 1 310 658.168

PARCEL 2

PACIFIC HIGHWAY (OR 99)

N 35°36'54" W 740.876

HARTLEY LANE

P-88-1991

PARCEL 1

John F. & Mary Nye Pope
Doc. No. 95-12934

LEGEND

- FOUND MONUMENT AS NOTED
- ▲ SET 13mm IRON ROD W/RED PLASTIC CAP STAMPED "DEA CONTROL"
- SET 30mm BRASS CAP STAMPED "DEA CONTROL"
- PACIFIC HIGHWAY CENTERLINE
- - - RIGHT-OF-WAY CENTERLINE
- PROPERTY LINE
- FD FOUND
- RT RIGHT
- LT LEFT
- W/RPC WITH RED PLASTIC CAP
- W/YPC WITH YELLOW PLASTIC CAP
- mm MILLIMETER
- [] RECORD DATA PER REFERENCE AS NOTED
- () FEET
- D.L.C. LINE (DONATION LAND CLAIM)
- STA STATION

RECOVERED MONUMENT TABLE - PACIFIC HIGHWAY (OR 99)

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	REFERENCE
500	67 570.203	1 310 936.727	7+010.493	15.240 RT	FD 19mm IRON ROD	ODOT DWG 5B-7-22
502	67 518.073	1 310 974.053	6+946.378	15.227 RT	FD 16mm IRON ROD W/RPC "HARDEY ENG. ASSOC."	CS 17335
522	67 777.278	1 310 788.341	7+265.245	15.197 RT	FD 38mm ALUM CAP "JACKSON COUNTY"	CS 14755
523	67 807.029	1 310 767.053	7+301.828	15.216 RT	FD 38mm ALUM CAP "JACKSON COUNTY"	CS 14755
524	67 941.778	1 310 670.558	7+467.564	15.240 RT	FD 19mm IRON ROD	ODOT DWG 5B-7-22

CONTROL NETWORK MONUMENTS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
111	67 533.214	1 310 957.215	485.774	SET 13mm IRON ROD W/RPC "DEA CONTROL"
112	67 641.543	1 310 856.163	484.179	SET 13mm IRON ROD W/RPC "DEA CONTROL"
113	67 753.374	1 310 775.919	482.814	SET 13mm IRON ROD W/RPC "DEA CONTROL"
114	67 876.920	1 310 686.946	481.167	SET 13mm IRON ROD W/RPC "DEA CONTROL"

PARCEL 2
PacifiCorp
Doc. No. 91-22825

SEE SHEET 4



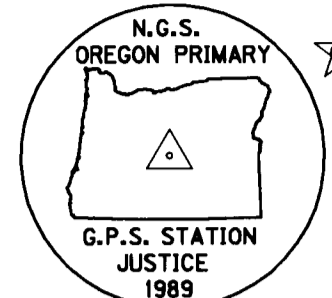
MONUMENT RECOVERY, RETRACEMENT AND CONTROL SURVEY

PREPARED BY
DAVID EVANS AND ASSOCIATES, INC

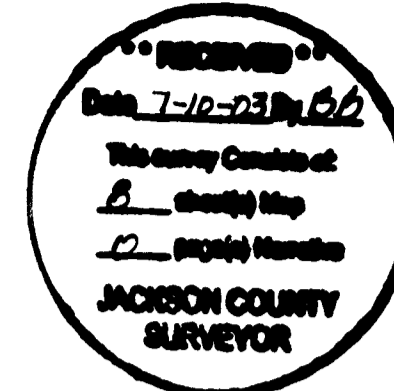
FOR
OREGON DEPT. OF TRANSPORTATION
PROJECT: PACIFIC HIGHWAY (OR 99)

SITUATED IN THE NW 1/4, SW 1/4 & SE 1/4 OF SECTION 23 & NW 1/4 OF SECTION 25 & NE 1/4 OF SECTION 26 IN TOWNSHIP 38 SOUTH AND RANGE 1 WEST OF THE WILLAMETTE MERIDIAN,
JACKSON COUNTY, OREGON

O.D.O.T. KEY NO. 12380 JUNE 27, 2003 SHEET 2 OF 8



STATION "JUSTICE"
NGS PID NZ1325
FD 10 CM BRASS CAP LOCATED IN MEDFORD, OR IN THE CONCRETE WALKWAY OF A PLAZA BOUNDED ON THE EAST BY SOUTH OAKDALE AVE. AND ON THE NORTH BY WEST 8TH ST. STATION IS 0.82 M EAST OF EAST FOUNTAIN WALL AND 2.38 M SOUTH OF NORTH FOUNTAIN WALL. IN S.E.1/4, SEC 25, T37S, R2W, W.M.



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2100 Southwest River Parkway
Portland Oregon 97201
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NOT TO SCALE

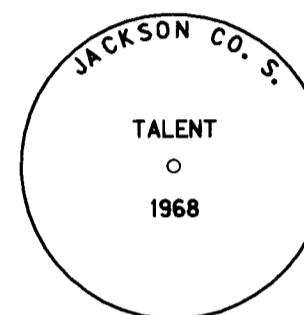
LEGEND

- ☆ FOUND GPS STATION
- △ FOUND MONUMENT USED AS NETWORK STATION
- ▲ SET NETWORK STATION AS NOTED
- FD FOUND
- GPS GLOBAL POSITIONING SYSTEM
- NAD NORTH AMERICAN DATUM
- NAVD NORTH AMERICAN VERTICAL DATUM
- NGS NATIONAL GEODETIC SURVEY
- PID POINT IDENTIFICATION
- PT POINT
- RPC RED PLASTIC CAP
- RTK REAL-TIME KINEMATIC
- () NATIONAL GEODETIC SURVEY RECORD DATA

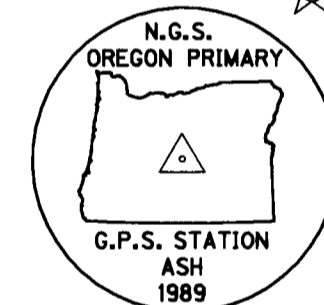
115 = SET 13 MM IRON ROD WITH RPC MARKED "D.E.A. CONTROL". LOCATED ON SOUTHWEST SIDE OF HIGHWAY 99 AT TALENT, OR NEAR MILEPOST 13.2. IT IS ALSO ABOUT 8 M SOUTHEAST OF CENTER OF ASPHALT DRIVEWAY TO ADDRESS #5446, 1.46 M SOUTHWEST OF HIGHWAY FOG LINE, AND 1.52 M SOUTHERLY OF EDGE DRIVEWAY APRON AT HIGHWAY EDGE PAVEMENT. IN N.E.1/4, SEC 22, T38S, R1W, W.M.

105 = SET 30 MM BRASS CAP STAMPED "D.E.A. CONTROL". LOCATED ON THE NORTHEAST SIDE OF HIGHWAY 99 AT TALENT, OR AT MILEPOST 14.2. IT IS IN CENTER OF TOP CURB 30 CM SOUTHEAST OF NORTHEAST END OF CURB, A "SPEED 40" SIGN POST IS ABOUT 21 M TO NORTHWEST, AND THE WEST END OF A BILLBOARD IS ABOUT 6 M TO NORTHEAST. IN S.E.1/4, SEC 23, T38S, R1W, W.M.

STATION "TALENT"
NGS PID NZ1087
FD 7.5 CM BRASS CAP IN 30 CM DIAMETER MOUND OF CONCRETE, UP 5 CM.
TO REACH: FROM TALENT, OR GO SOUTHEAST ON HIGHWAY 99 TO MILEPOST 16.2 AND TALENT AVE. ON THE RIGHT. GO WESTERLY ON TALENT AVE. 0.3 KM TO A GRAVEL DRIVEWAY ON THE LEFT (AT MAILBOXES 2310, 2316 AND 2320). FOLLOW DRIVEWAY (CROSSING RR TRACKS) UPHILL IN A SOUTHERLY DIRECTION 0.7 KM TO A RIDGE AND A TRACK ROAD ON THE LEFT. FOLLOW TRACK ROAD ABOUT 75 M NORTHERLY TO THE STATION. AN ORANGE CARSONITE POST IS 60 CM TO NORTH AND 16 MM IRON ROD IS 1.92 M SOUTHWEST IN N.W.1/4 SEC 31, T38S, R1E, W.M.



122 = SET 13 MM IRON ROD WITH RPC MARKED "D.E.A. CONTROL". LOCATED ON SOUTHWEST SIDE OF HIGHWAY 99 AT TALENT, OR NEAR MILEPOST 15.05. IT IS ABOUT 88 M SOUTHEAST OF MILEPOST "15" SIGN POST, ABOUT 9 M SOUTHEAST OF CENTER OF ASPHALT DRIVEWAY TO SOUTH VALLEY MINI STORAGE, 1.83 M SOUTHWEST OF HIGHWAY FOG LINE, AND 6.86 M NORTHEAST OF POWER POLE TAGGED "PPL D12330" AND "1004". IN N.W.1/4 SEC 25, T38S, R1W, W.M.



STATION "ASH"
NGS PID NZ1326
FD 10 CM BRASS CAP IN 15 CM x 15 CM CONCRETE. FLUSH WITH GROUND. LOCATED AT ASHLAND, OR. FROM THE EASTERLY SIDE OF THE MOUNTAIN AVE OVERPASS AT INTERSTATE 5, GO NORTHWESTERLY AND THEN NORTHERLY 0.5 KM ON NORTH MOUNTAIN AVE. STAY ON PAVED ROAD WHICH BECOMES EAGLE MILL ROAD AND GO NORTHWESTERLY 0.5 KM TO A MICROWAVE/ COMMUNICATIONS BUILDING ON THE LEFT. STATION IS ABOUT 15 M SOUTH OF BUILDING ON SOUTHWEST SIDE OF RIGHT-OF-WAY FENCE. "ASH" IS ON THE NORTHEAST SIDE OF NORTH BOUND INTERSTATE 5, 1.83 M SOUTHWEST OF AN ORANGE CARSONITE POST AND 2.90 M SOUTHWEST OF A FENCE CORNER. IN S.E.1/4 SEC 33, T38S, R1E, W.M.

GEODETIC / STATE PLANE COORDINATE LIST

DEA PROJECT PT	NGS PID	Latitude	Longitude	Northing (M)	95% N Error +/-	Easting (M)	95% E Error +/-	Orthometric Elevation (M)	95% El Error +/-	Ellipsoid Height (M)	Combined Factor	Convergence
105		N 42° 14' 41.24581"	W 122° 46' 57.71555"	66788.809	0.01	1311622.146	0.01	488.01	HELD	464.12	0.99995064	-1° 33' 42.12841"
115		N 42° 15' 21.06447"	W 122° 47' 48.76446"	68048.976	0.01	1310485.917	0.01	479.14	HELD	455.20	0.99994897	-1° 34' 17.05339"
122		N 42° 14' 14.40413"	W 122° 46' 11.76819"	65932.265	0.01	1312652.711	0.01	497.22	HELD	473.37	0.99995128	-1° 33' 10.69363"
ASH	NZ1326	N 42° 12' 56.39242" (N 42° 12' 56.39242")	W 122° 42' 25.16768" (W 122° 42' 25.16768")	63387.130 (63387.130)	HELD	1317783.144 (1317783.144)	HELD	557.80 (557.74)	0.01	534.06 (534.06)	0.99994792	-1° 30' 35.66550"
JUSTICE	NZ1325	N 42° 19' 21.42830" (N 42° 19' 21.42830")	W 122° 52' 36.72874" (W 122° 52' 36.72874")	75646.722 (75646.722)	HELD	1304098.191 (1304098.191)	HELD	424.93 (424.85)	0.01	400.79 (400.79)	0.99993979	-1° 37' 34.06338"
TALENT	NZ1087	N 42° 13' 30.97603" (N 42° 13' 30.97273")	W 122° 45' 09.67879" (W 122° 45' 09.67479")	64554.306 (64554.202)	0.01	1314039.798 (1314039.887)	0.01	588.68 (588.6)	0.02	564.88	0.99994033	-1° 32' 28.21534"

GEODETIC/STATE PLANE COORDINATE LIST.
DATUMS: NAD 83(91) AND NAVD 88.
OREGON STATE PLANE, SOUTH ZONE, COORDINATES.
HORIZONTAL UNITS: METERS. VERTICAL UNITS: METERS.

NOTES:

- GPS MEASUREMENTS WERE MADE WITH TRIMBLE DUAL-FREQUENCY RECEIVERS.
- BASELINES WERE PROCESSED AND ADJUSTED WITH TRIMBLE GEOMATICS OFFICE, VERSION 1.5 SOFTWARE. WGS84 AND GEOID99 WERE USED AS THE ADJUSTMENT ELLIPSOID AND GEOID MODELS.
- A MINIMALLY CONSTRAINED ADJUSTMENT, HOLDING POINT "ASH", MISSED THE RECORD HORIZONTAL POSITION OF "JUSTICE" BY 5 MM NORTHING AND 2 MM EASTING.
- IN THE FINAL ADJUSTMENT THE NGS RECORD LATITUDES, LONGITUDES AND ELLIPSOID HEIGHTS AT POINTS "ASH" AND "JUSTICE" WERE HELD TO DUPLICATE RTK/GPS MEASUREMENTS DONE BY ODOT IN MAY 2001.
- THE ELEVATIONS AT POINTS 105, 115 AND 122 WERE HELD. THE ELEVATION OF POINT 105 WAS DETERMINED BY DIFFERENTIAL LEVELS. THE ELEVATIONS OF POINTS 115 AND 122 WERE MEASURED WITH TERRESTRIAL TRAVERSING.
- POINT "TALENT" IS AN NGS TRIANGULATION STATION. ITS RECORD HORIZONTAL AND VERTICAL POSITIONS WERE DETERMINED BY TRIANGULATION AND VERTICAL ANGLES.

REGISTERED PROFESSIONAL LAND SURVEYOR

Jeffery S. Whitson
OREGON
JULY 26, 1988
JEFFERY S. WHITSON
2361
RENEWAL 6/30/04