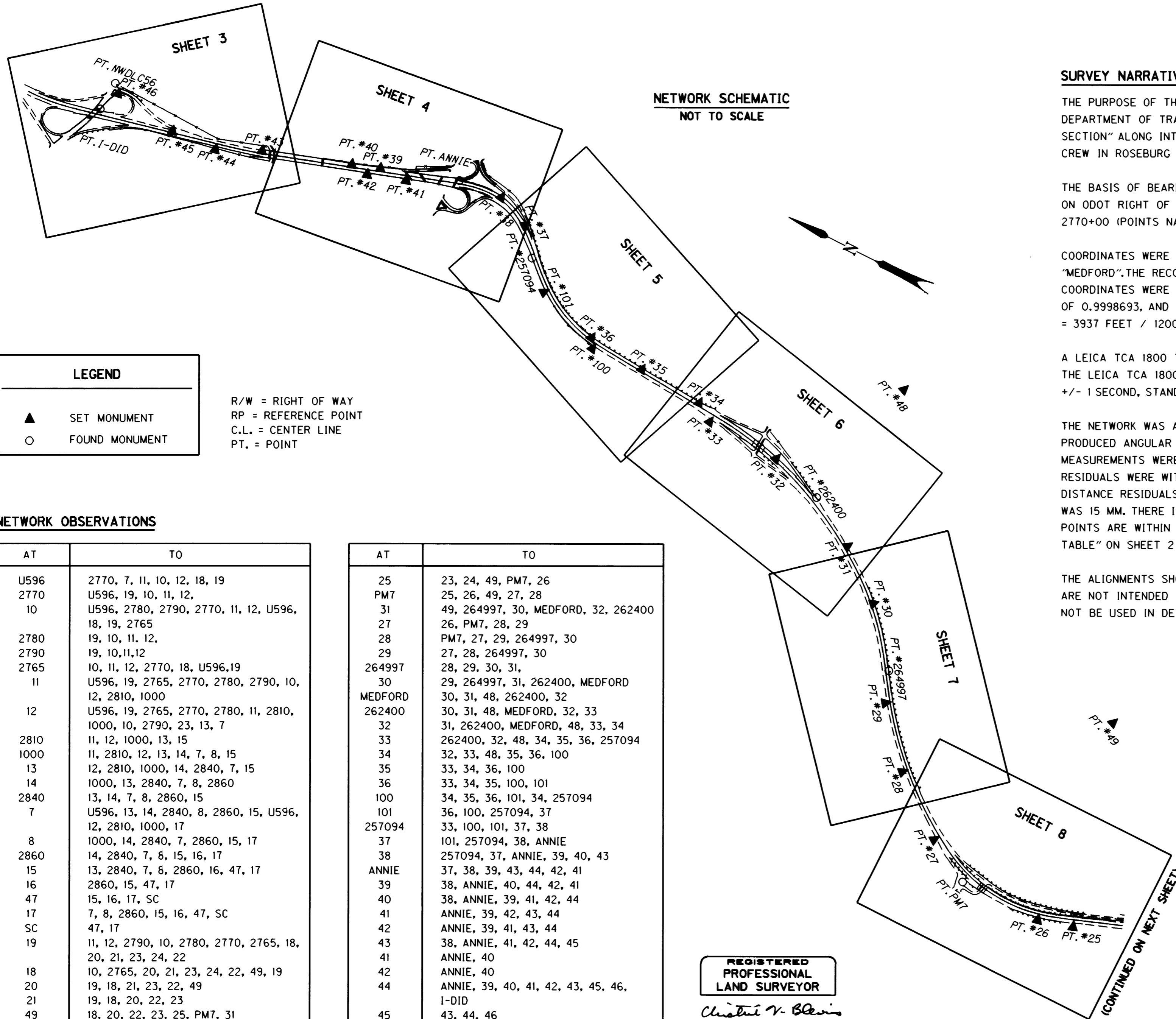


COUNTY SURVEYORS FILE DATA
DO NOT REMOVE FROM OFFICE

SEC. 13, 24, 25, 26, & 35, T. 27 S., R.6 W., W.M.

FILED
Date: 12/21/1999 By: JP
This survey consists of: 12 SHEETS
Map: M133-75A
Narrative: _____
Corner Rpt: _____
DOUGLAS COUNTY SURVEYOR JP

NETWORK SCHEMATIC
NOT TO SCALE



SURVEY NARRATIVE

THE PURPOSE OF THIS METRIC SURVEY WAS TO ESTABLISH CONTROL FOR THE OREGON DEPARTMENT OF TRANSPORTATION PROJECT CALLED "GARDEN VALLEY - ROBERTS CREEK SECTION" ALONG INTERSTATE 5. THE NETWORK WAS CONDUCTED BY AN ODOT SURVEY CREW IN ROSEBURG FROM NOVEMBER 2, 1998 TO FEBRUARY 25, 1999.

THE BASIS OF BEARING IS S 0°24'10" W, RECORD BEARING OF THE ALIGNMENT AS SHOWN ON ODOT RIGHT OF WAY DRAWING NO. 7B-23-1 BETWEEN ENGLISH STATIONS 2760+00 AND 2770+00 (POINTS NAMED "U596" AND "2770").

COORDINATES WERE BASED ON A DOUGLAS COUNTY SURVEYORS OFFICE MONUMENT CALLED "MEDFORD". THE RECORD OREGON COORDINATE SYSTEM, 1927 DATUM, SOUTH ZONE, COORDINATES WERE CONVERTED TO LOCAL DATUM PLANE COORDINATES USING A FACTOR OF 0.9998693, AND THEN CONVERTED TO METRIC. FOR CONVERSION PURPOSES ONE METER = 3937 FEET / 1200.

A LEICA TCA 1800 TOTAL STATION WAS USED TO MAKE THE NETWORK OBSERVATIONS. THE LEICA TCA 1800 HAS THE FOLLOWING PRECISION: STANDARD ANGULAR ERROR OF +/- 1 SECOND, STANDARD DISTANCE ERROR OF +/- 2 MM, +/- 2 PPM.

THE NETWORK WAS ADJUSTED USING A LEAST SQUARES ROUTINE. THIS ADJUSTMENT PRODUCED ANGULAR AND DISTANCE RESIDUALS (THE AMOUNT THE FIELD OBSERVED MEASUREMENTS WERE CHANGED DUE TO THE ADJUSTMENT). 91% OF THE ANGULAR RESIDUALS WERE WITHIN 3 SECONDS AND 100% WERE WITHIN 7 SECONDS. 98.7% OF THE DISTANCE RESIDUALS WERE WITHIN 5 MM AND 99.99% WERE WITHIN 8 MM; ONE RESIDUAL WAS 15 MM. THERE IS A 95% PROBABILITY THAT THE FINAL POSITIONS OF THE NETWORK POINTS ARE WITHIN THE ERROR ELLIPSES AS SHOWN ON THE "CONFIDENCE LEVEL LIMITS TABLE" ON SHEET 2 OF 12.

THE ALIGNMENTS SHOWN ON THIS SURVEY ARE FOR CONSTRUCTION PURPOSES ONLY AND ARE NOT INTENDED TO REPRESENT A RETRACED RIGHT OF WAY CENTERLINE AND SHOULD NOT BE USED IN DETERMINING RIGHT OF WAY BOUNDARIES.

LEGEND

▲	SET MONUMENT
○	FOUND MONUMENT

R/W = RIGHT OF WAY
RP = REFERENCE POINT
C.L. = CENTER LINE
PT. = POINT

NETWORK OBSERVATIONS

AT	TO
U596	2770, 7, 11, 10, 12, 18, 19
2770	U596, 19, 10, 11, 12,
10	U596, 2780, 2790, 2770, 11, 12, U596, 18, 19, 2765
2780	19, 10, 11, 12,
2790	19, 10, 11, 12,
2765	10, 11, 12, 2770, 18, U596, 19
11	U596, 19, 2765, 2770, 2780, 2790, 10, 12, 2810, 1000
12	U596, 19, 2765, 2770, 2780, 11, 2810, 1000, 10, 2790, 23, 13, 7
2810	11, 12, 1000, 13, 15
1000	11, 2810, 12, 13, 14, 7, 8, 15
13	12, 2810, 1000, 14, 2840, 7, 15
14	1000, 13, 2840, 7, 8, 2860
2840	13, 14, 7, 8, 2860, 15
7	U596, 13, 14, 2840, 8, 2860, 15, U596, 12, 2810, 1000, 17
8	1000, 14, 2840, 7, 2860, 15, 17
2860	14, 2840, 7, 8, 15, 16, 17
15	13, 2840, 7, 8, 2860, 16, 47, 17
16	2860, 15, 47, 17
47	15, 16, 17, SC
17	7, 8, 2860, 15, 16, 47, SC
SC	47, 17
19	11, 12, 2790, 10, 2780, 2770, 2765, 18, 20, 21, 23, 24, 22
18	10, 2765, 20, 21, 23, 24, 22, 49, 19
20	19, 18, 21, 23, 22, 49
21	19, 18, 20, 22, 23
49	18, 20, 22, 23, 25, PM7, 31
24	18, 19, 22, 23, 25
26	23, 25, PM7, 27
22	19, 18, 20, 21, 23, 24, 49
23	19, 18, 20, 21, 22, 24, 49, 25, 26

AT	TO
25	23, 24, 49, PM7, 26
PM7	25, 26, 49, 27, 28
31	49, 264997, 30, MEDFORD, 32, 262400
27	26, PM7, 28, 29
28	PM7, 27, 29, 264997, 30
29	27, 28, 264997, 30
264997	28, 29, 30, 31,
30	29, 264997, 31, 262400, MEDFORD
MEDFORD	30, 31, 48, 262400, 32
262400	30, 31, 48, MEDFORD, 32, 33
32	31, 262400, MEDFORD, 48, 33, 34
33	262400, 32, 48, 34, 35, 36, 257094
34	32, 33, 48, 35, 36, 100
35	33, 34, 36, 100
36	33, 34, 35, 100, 101
100	34, 35, 36, 101, 34, 257094
101	36, 100, 257094, 37
257094	33, 100, 101, 37, 38
37	101, 257094, 38, ANNIE
38	257094, 37, ANNIE, 39, 40, 43
ANNIE	37, 38, 39, 43, 44, 42, 41
39	38, ANNIE, 40, 44, 42, 41
40	38, ANNIE, 39, 41, 42, 44
41	ANNIE, 39, 42, 43, 44
42	ANNIE, 39, 41, 43, 44
43	38, ANNIE, 41, 42, 44, 45
41	ANNIE, 40
42	ANNIE, 40
44	ANNIE, 39, 40, 41, 42, 43, 45, 46,
45	I-DID
46	43, 44, 46
NWDLC56	44, 45, I-DID, NWDLC56
I-DID	I-DID, 46
48	44, NWDLC56, 46
	MEDFORD, 262400, 32, 33, 34

REGISTERED PROFESSIONAL LAND SURVEYOR
Christine V. Blew
OREGON JULY 19, 1994
CHRISTINE V. BLEWINS
2000
EXPIRES: DEC. 31, 1999

METRIC SURVEY
1 METER = 3937 U.S. FEET / 1200
TO CONVERT A METRIC DISTANCE DIVIDE BY 0.30480061

OREGON DEPARTMENT OF TRANSPORTATION
HORIZONTAL CONTROL AND RECOVERY MAP
GARDEN VALLEY - ROBERTS CREEK SEC. INTERSTATE 5
3500 STEWART PARKWAY, SUITE 140
ROSEBURG, OREGON 97470
PROJECT KEY *09108 SHEET 1 OF 12

MAP FILE M133-75A