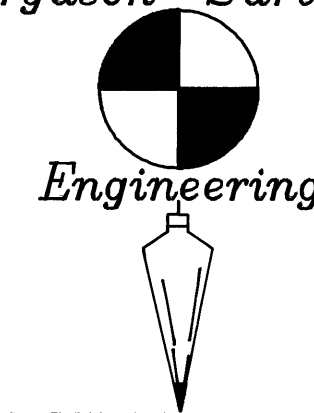


Ferguson Surveying



REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JULY 13, 1999
KENNETH H. DELANO JR.
49865

RENEWAL DATE:
01/01/2008

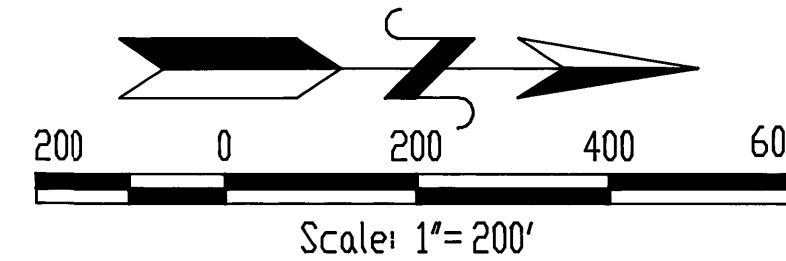
I, KENNETH H. DELANO JR., PLS,
DO HEREBY CERTIFY THAT THIS IS
A TRUE AND EXACT COPY.

KENNETH H. DELANO JR., PLS

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COORDINATE TABLE			
PT. ID.	NORTHING	EASTING	DESCRIPTION
DTAK #18	295065.60	8681501.85	5/8" IRON ROD W/ALUM CAP
RECORD	295065.57	8681501.85	MARKED 'DTAK INC 18'
DTAK #19	295559.87	8682473.49	5/8" IRON ROD W/ALUM CAP
RECORD	295559.87	8682473.50	MARKED 'DTAK INC 19'
DTAK #20	296769.09	8683468.24	5/8" IRON ROD W/ALUM CAP
RECORD	296769.06	8683468.27	MARKED 'DTAK INC 20'
DTAK #21	297630.44	8684068.34	5/8" IRON ROD W/ALUM CAP
RECORD	297630.42	8684068.36	MARKED 'DTAK INC 21'
DTAK #22	298426.40	8684596.30	5/8" IRON ROD W/ALUM CAP
RECORD	298426.36	8684596.31	MARKED 'DTAK INC 22'
ODOT #10	295081.35	8681613.16	5/8" IRON ROD W/ALUM CAP MARKED
RECORD	295081.30	8681613.19	'OREGON STATE HWY DIV TRAV PT 10'
ODOT #12	299112.24	8685047.52	5/8" IRON ROD W/ALUM CAP MARKED
RECORD	299112.21	8685047.52	'OREGON STATE HWY DIV 12'
RECORD FROM MAP OF SURVEY #1538			

SEE SHEET 3 FOR LEGEND



RELOCATED CENTERLINE
PI Sta = 184+14.86
N = 299131.97
E = 8685059.14
I = 27°32'43"L

RECORD CENTERLINE
PI Sta = 138+04.84
N = 299135.87
E = 8685062.09
I = 27°45'18"L

LINE TABLE	
L4	S34°28'22"W 22.49
L5	N85°24'43"W 3.13
L6	N63°45'27"W 10.00

CIRCULAR
Da = 04°00'00"
Dc = 04°00'03"
T = 94.45
R = 1432.39
L = 188.63
C = 188.49
E = 3.11
M = 3.10

SPIRALS
Is = 10°00'00"
L = 500.00
X = 498.48
Y = 29.03
P = 7.26
K = 249.75
LT = 333.87
ST = 167.15
T = 602.63

CIRCULAR
Da = 04°00'03"
Dc = 04°00'06"
T = 147.38
R = 1432.10
L = 293.73
C = 293.21
E = 7.56
M = 7.52

SPIRALS
Is = 08°00'06"
L = 400.00
X = 399.22
Y = 18.59
P = 4.65
K = 199.87
LT = 266.94
ST = 133.58
T = 554.83

ODOT PIN TABLE		
ID	THIS SURVEY STATION, OFFSET	RECORD MDS 1579 STATION, OFFSET
P11	163+12.66, 60.17	163+12.63, 60.22
P12	168+12.67, 59.88	168+12.68, 59.96
P13	172+50.22, 100.01	172+50.17, 100.04
P14	178+12.48, 50.13	178+12.45, 50.21
P15	178+64.82, 50.28	178+64.81, 50.28
P16	183+12.45, 96.72	183+12.40, 96.72
P17	185+01.05, 104.94	185+00.97, 104.93
P18	190+01.02, 146.70	190+00.96, 146.68
P19	195+38.70, 112.64	195+38.66, 112.67
P20	196+50.61, 86.03	196+50.59, 86.04
P21	201+00.22, 50.66	201+00.19, 50.64

THE ABOVE TABLE SHOWS THE LOCATION OF
FOUND 5/8" PINS WITH ALUMINUM CAPS
MARKED 'OREGON STATE HWY. DEPT' AS TIED
THIS SURVEY. RECORD STATION AND OFFSET
SHOWN ARE THE TIES MADE ON MAP OF
SURVEY 1579. SEE NARRATIVE.

RELOCATED CENTERLINE
PI Sta = 205+72.96
N = 301290.81
E = 8685321.50
I = 51°02'36"R

RECORD CENTERLINE
PI Sta = 158+85.48
N = 301215.87
E = 8685307.09
I = 48°41'42"R

CIRCULAR	SPIRALS	CIRCULAR	SPIRALS
Da = 03°30'00"	Is = 08°45'00"	Da = 03°30'06"	Is = 07°00'13"
Dc = 03°30'02"	L = 500.00	Dc = 03°30'08"	L = 400.00
T = 493.36	X = 498.84	T = 511.00	X = 399.40
R = 1637.02	Y = 25.41	R = 1636.20	Y = 16.28
L = 958.38	P = 6.36	L = 990.59	P = 4.07
C = 944.75	K = 249.81	C = 975.53	K = 199.90
E = 72.73	LT = 333.74	E = 77.94	LT = 266.88
M = 69.64	ST = 167.04	M = 74.39	ST = 133.52
	T = 1034.42		T = 942.15

CURVE TABLE				
No.	DELTA ANGLE	RADIUS	ARC LENGTH	CHORD DIRECTION
C3	07°24'20"	1586.20	205.02	S22°30'30"W 204.88
C4	18°30'51"	1576.20	509.32	N35°28'06"E 507.11

