



**UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration**

NATIONAL OCEAN SERVICE  
OFFICE OF CHARTING AND GEODETIC SERVICES  
ROCKVILLE, MARYLAND 20852

February 1, 1985

N/CG171:JDL

RECEIVED  
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Union County Surveyor  
Anderson Perry and Associates  
1901 Fir Street  
La Grande, Oregon 97850

Dear Sir:

The enclosed booklet contains the results of the Blue Mountain calibration base line established in conjunction with the Blue Mountain Chapter of the Professional Land Surveyors of Oregon. For your information, a copy of NOAA Technical Memorandum NOS NGS-10, "Use of Calibration Base Lines" is also enclosed.

Calibration base lines have been established in 46 states with the number of lines varying from 1 to 20 in each state. Calibration base line results are available from NGS for \$2.00 per state.

Please contact Mr. John Love, of this office, telephone (301) 443-8775, if the stability of any base line monument becomes suspect or if any changes to the descriptive text are necessary to reflect current conditions.

Sincerely yours,

John F. Spencer, Jr.  
Chief, National Geodetic  
Information Center  
National Geodetic Survey  
Charting and Geodetic Services

Enclosures (2)

UNION COUNTY SURVEYOR
Date Received _____
Date Filed _____
By _____
File No. NARRATIVE DRAWING 1/10



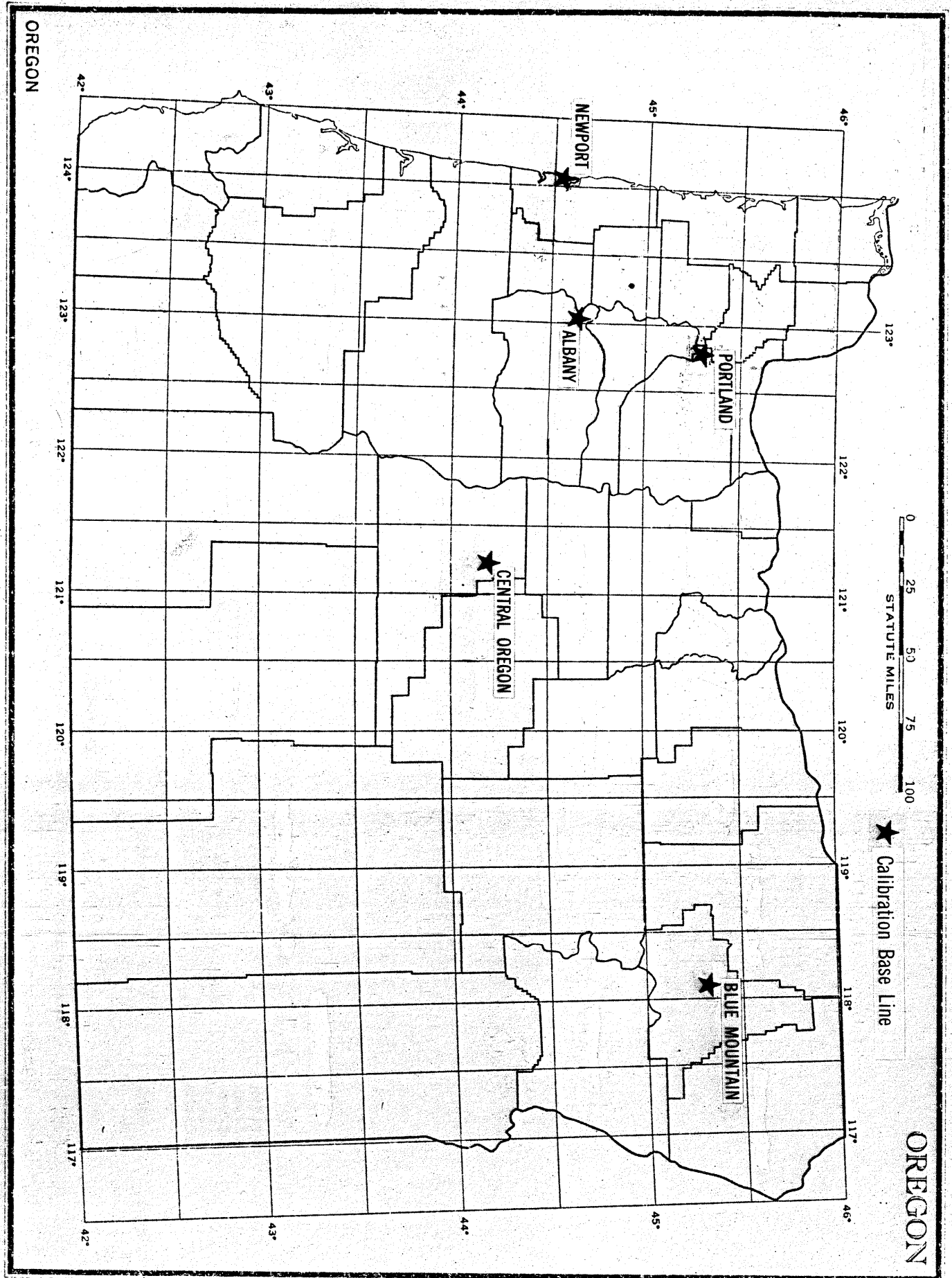


US DEPARTMENT OF COMMERCE - NOAA  
NOS - NATIONAL GEODETIC SURVEY  
ROCKVILLE MD 20852 - JANUARY 09, 1985

CALIBRATION BASE LINE REPORT

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LIST OF ADJUSTED DISTANCES (NOVEMBER 1, 1982)

FROM STATION	ELEV. (M)	TO STATION	ELEV. (M)	ADJ. DIST. (M) HORIZONTAL	ADJ. DIST. (M) MARK - MARK	STD. ERROR (MM)
ZERO	66.336	150	67.037	149.9721	149.9737	0.3
ZERO	66.336	430	66.689	430.0076	430.0078	0.6
ZERO	66.336	1240	67.056	1239.9950	1239.9952	0.8
150	67.037	430	66.689	280.0356	280.0358	0.5
150	67.037	1240	67.056	1090.0230	1090.0230	0.7
430	66.689	1240	67.056	809.9874	809.9874	0.5

DESCRIPTION OF ALBANY BASE LINE  
 YEAR MEASURED: 1982  
 CHIEF OF PARTY: REP

THE BASE LINE IS LOCATED AT THE ALBANY MUNICIPAL AIRPORT ON THE EAST SIDE OF ALBANY. THE AIRPORT IS LOCATED SLIGHTLY NE OF THE INTERSECTION OF INTERSTATE 5 AND UNITED STATES HIGHWAY 20 AND IS VISIBLE FROM THE HIGHWAYS. THE BASE LINE IS APPROXIMATELY PARALLEL WITH AND BETWEEN THE NORTH-SOUTH RUNWAY ON THE EAST AND THE NORTH-SOUTH TAXIWAY ON THE WEST.

TO REACH THE BASE LINE FROM THE INTERSECTION OF INTERSTATE HIGHWAY 5 AND UNITED STATES HIGHWAY 20, GO NORTH ON INTERSTATE HIGHWAY 5 FOR 1.0 KM (0.6 MI) TO EXIT 234 ON RIGHT. TAKE EXIT 234 (ALBANY AND KNOX BUTTE) AND GO NE FOR 0.6 KM (0.4 MI) TO STOP SIGN AND INTERSECTION. TURN RIGHT (TOWARDS KNOX BUTTE) AND GO APPROXIMATELY 100 FEET TO ROAD ON RIGHT. TURN RIGHT AND GO SW ON AIRPORT ROAD FOR 0.2 KM (0.1 MI) TO O METER POINT ON LEFT SIDE OF ROAD (ABOUT 3 FT LOWER THAN ROAD). CONTINUE SOUTH ON GRASSY AREA FOR 0.2 KM (0.1 MI) TO 150 METER POINT AND E-W TAXIWAY BETWEEN THE N-S RUNWAY ON LEFT AND THE N-S TAXIWAY ON RIGHT (ABOUT THE SAME ELEVATION AS TAXIWAY AND RUNWAY). BEAR RIGHT AND GO SOUTH ON TAXIWAY FOR 0.3 KM (0.2 MI) TO 430 METER POINT IN GRASSY AREA ON LEFT OF TAXIWAY (ABOUT 3 FT LOWER THAN TAXIWAY). CONTINUE SOUTH ON TAXIWAY FOR 0.8 KM (0.5 MI) TO 1240 METER POINT IN GRASSY AREA TO LEFT OF TAXIWAY (ABOUT 4 FT LOWER THAN TAXIWAY).

THE BASE LINE IS A NORTH-SOUTH BASE LINE WITH THE O METER POINT ON THE NORTH END. IT IS MADE UP OF O, 150, 430, AND 1240 METER POINTS WITH POINTS FOR THE CALIBRATION OF 100, 200, AND 300 FOOT TAPES SET SOUTH OF THE O METER POINT. ALL OF THE MARKS ARE SET ON A LINE APPROXIMATELY PARALLEL TO THE NORTH-SOUTH RUNWAY AND TAXIWAY AT THE AIRPORT. THE O AND 1240 METER POINTS HAVE PLASTIC WITNESS POSTS NEAR THEM.

THE O METER POINT IS A STANDARD NGS DISK STAMPED---ZERO 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 31 CM (12 IN) IN DIAMETER PROJECTING 3 CM (1 IN) ABOVE THE GROUND LOCATED 7.89 M (25.9 FT) SE FROM CENTER LINE OF AIRPORT ROAD AND 0.94 M (3.1 FT) SW FROM WITNESS POST (PLASTIC). THE 150 METER POINT IS A STANDARD NGS DISK STAMPED---150 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 34 CM (13 IN) IN DIAMETER FLUSH WITH GROUND LOCATED 5.67 M (18.6 FT) N FROM CENTER LINE OF E-W TAXIWAY JOINING THE RUNWAY AND TAXIWAY, AND 5.00 M (16.4 FT) S FROM AIRPORT SIGN (LISTING THE ELEVATION (220 FT) AND RUNWAY LENGTH (3000 FT)). THE 430 METER POINT IS A STANDARD NGS DISK STAMPED---430 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 34 CM (13 IN) IN DIAMETER PROJECTING 3 CM (1 IN) ABOVE THE GROUND LOCATED 17.25 M (56.6 FT) E FROM CENTER LINE OF TAXIWAY AND 28.53 M (93.6 FT) W FROM CENTER LINE OF RUNWAY. THE 1240 METER POINT IS A STANDARD NGS DISK STAMPED---1240 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 37 CM (14 IN) IN DIAMETER FLUSH WITH GROUND LOCATED 9.94 M (32.6 FT) N FROM NORTH EDGE OF DITCH RUNNING EAST-WEST, 19.529 M (64.07 FT) W FROM REFERENCE MARK 1 1982, 15.48 M (50.8 FT) E FROM CENTER LINE OF TAXIWAY, AND 0.838 M (2.75 FT) N FROM WITNESS POST (PLASTIC).

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE WILLIAMETTE CHAPTER OF PROFESSIONAL LAND SURVEYORS OF OREGON. FOR FURTHER INFORMATION, CONTACT THE CITY OF ALBANY ENGINEERING DIVISION, 127 BROADALBIN SW, ALBANY, OREGON 97321. TELEPHONE (503) 967-4318.

LIST OF ADJUSTED DISTANCES (DECEMBER 21, 1984)

FROM STATION	ELEV. (M)	TO STATION	ELEV. (M)	ADJ. DIST. (M) HORIZONTAL	ADJ. DIST. (M) MARK - MARK	STD. ERROR (MM)
0	839.726	150	839.168	150.0125	150.0135	0.1
0	839.726	430	838.251	429.9901	429.9926	0.4
0	839.726	1149	835.698	1149.9611	1149.9681	0.5
150	839.168	430	838.251	279.9776	279.9791	0.4
150	839.168	1149	835.698	999.9486	999.9546	0.5
430	838.251	1149	835.698	719.9710	719.9756	0.4

DESCRIPTION OF BLUE MOUNTAIN BASE LINE  
 YEAR MEASURED: 1984  
 CHIEF OF PARTY: WJR

THE BASE LINE IS LOCATED ON THE SOUTHEAST SIDE OF LA GRANDE AND ALONG THE SOUTHWEST SIDE OF UNITED STATES HIGHWAY 30 BETWEEN GEKELER LANE AND A POINT JUST EAST OF BLUE MOUNTAIN TIRE COMPANY.

TO REACH THE BASE LINE FROM THE INTERSTATE HIGHWAY 84 EXIT 265 JUNCTION OF OREGON STATE HIGHWAY 203 SOUTH, U.S. HIGHWAY 30 WEST, AND INTERSTATE 84 EAST, GO WEST ON HIGHWAY 30 TOWARD LA GRANDE FOR 1.53 K (0.95 MI) TO THE 1149 METER POINT ON THE LEFT, CONTINUE WEST ON HIGHWAY 30 FOR 0.72 K (0.45 MI) TO THE 430 METER POINT ON THE LEFT, CONTINUE WEST FOR 0.24 K (0.15 MI) TO THE 150 METER POINT ON THE LEFT AND TO REACH THE O METER POINT, CONTINUE WEST ON HIGHWAY 30 FOR 0.16 K (0.1 MI) TO A FIELD ROAD ENTRANCE ON THE LEFT IN THE SOUTHWEST ANGLE OF THE JUNCTION OF HIGHWAY 30 AND GEKELER LANE, TURN LEFT ONTO THE FIELD ROAD ENTRANCE AND THE O METER POINT AS DESCRIBED.

THE BASE LINE IS A NORTHWEST-SOUTHEAST LINE WITH THE O METER POINT ON THE NORTHWEST END. IT IS MADE UP OF THE 0, 150, 430, AND 1149 METER POINTS. ALL OF THE MARKS ARE SET ON A LINE PARALLEL TO AND ABOUT 39.32 M (129 FT) SOUTHWEST OF THE CENTER LINE OF HIGHWAY 30.

THE O-METER POINT IS A STANDARD PLSO DISK NOT STAMPED SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 2.54 CM (10 INCHES) IN DIAMETER RECESSED 0.5 CM (2 IN) BELOW THE GROUND LOCATED 39.32 M (129.0 FT) SW FROM CENTER LINE OF HIGHWAY 30, 7.1 M (23.3 FT) SE FROM CENTER LINE OF FIELD ROAD, AND 6.15 M (20.2 FT) NE FROM BARBED WIRE FENCE. ALL OF THE MARKS ARE 63 MM (2.5 IN) BRASS DISKS WITH A CHISELED CROSS IN THE TOP AND STAMPED WITH THE LETTERS PLSO BASE LINE. ALL ARE SET IN THE TOP OF 254 MM (10 INCH) ROUND CONCRETE MONUMENTS WHICH ARE SET IN THE MIDDLE OF A 3.05 M (10 FT) ROUND GRAVEL FILLED AREA AND ARE FROM 0.5 TO 0.75 CM (2-3 INCHES) BELOW THE SURFACE. ALL OF THE MARKS WILL HAVE WITNESS POSTS SET NEARBY.

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE BLUE MOUNTAIN CHAPTER OF THE PROFESSIONAL LAND SURVEYORS OF OREGON. FOR FURTHER INFORMATION, CONTACT UNION COUNTY SURVEYOR, C/O ANDERSON PERRY AND ASSOCIATES, 1901 FIR STREET, LA GRANDE, OR 97850. TELEPHONE (503) 963-8309.

US DEPARTMENT OF COMMERCE - NOAA  
 NDS - NATIONAL GEODETIC SURVEY  
 ROCKVILLE MD 20852 - JANUARY 09, 1985

CALIBRATION BASE LINE DATA  
 BASE LINE DESIGNATION: CENTRAL OREGON  
 PROJECT ACCESSION NUMBER: G15773

QUAD: N441212  
 OREGON  
 DESCHUTES COUNTY

LIST OF ADJUSTED DISTANCES (NOVEMBER 1, 1982)

FROM STATION	ELEV. (M)	TO STATION	ELEV. (M)	ADJ. DIST. (M) HORIZONTAL	ADJ. DIST. (M) MARK - MARK	STD. ERROR (MM)
0	1000.000	150	1000.544	149.9953	149.9963	0.3
0	1000.000	430	1000.589	429.9822	429.9826	0.6
0	1000.000	1260	1007.255	1259.9867	1260.0076	0.9
150	1000.544	430	1000.589	279.9868	279.9868	0.5
150	1000.544	1260	1007.255	1109.9914	1110.0116	0.7
430	1000.589	1260	1007.255	830.0044	830.0311	0.5

US DEPARTMENT OF COMMERCE - NOAA  
NOS - NATIONAL GEODETIC SURVEY  
ROCKVILLE MD 20852 - JANUARY 09, 1985

CALIBRATION BASE LINE DATA  
BASE LINE DESIGNATION: CENTRAL OREGON  
PROJECT ACCESSION NUMBER: G15773

QUAD: N441212  
OREGON  
DESCHUTES COUNTY

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DESCRIPTION OF CENTRAL OREGON BASE LINE  
YEAR MEASURED: 1982  
CHIEF OF PARTY: WJR

THE BASE LINE IS LOCATED ABOUT 13.7 KM (8.5 MI) NORTHEAST OF BEND, 12.9 KM (8.0 MI) SOUTH OF REDMOND AND 6.4 KM (4.0 MI) EAST OF DESCHUTES JUNCTION ALONG THE WEST SIDE OF THE NORTH UNIT MAIN CANAL.

TO REACH THE BASE LINE FROM THE DESCHUTES JUNCTION ON UNITED STATES HIGHWAY 97 ABOUT 11.3 KM (7.0 MI) NORTH OF BEND AND 14.5 KM (9.0 MI) SOUTH OF REDMOND, GO EAST ON DESCHUTES ROAD FOR 0.5 KM (0.3 MI), CROSSING RAILROAD TRACKS, TO A GRADED CINDER ROAD ON THE LEFT WHERE BLACKTOP MAKES A SHARP RIGHT TURN TO THE SOUTH. TURN LEFT ON CINDER ROAD AND GO EASTERLY FOR 0.64 KM (0.4 MI) TO A SIDE ROAD, CONTINUE STRAIGHT AHEAD ON CINDER ROAD FOR 0.24 KM (0.15 MI) TO END OF CINDER ROAD AND A GATE. PASS THROUGH GATE AND GO EASTERLY ON TRACK ROAD FOR 2.74 KM (1.7 MI) TO A POWERLINE, CONTINUE ON TRACK ROAD FOR 0.4 KM (0.25 MI) TO A GATE, PASS THROUGH GATE AND GO EASTERLY ON TRACK ROAD FOR 3.22 KM (2.0 MI) TO A BRIDGE OVER THE UNIT MAIN CANAL. TURN RIGHT AND GO SOUTH ON CANAL ROAD FOR 0.4 KM (0.25 MI) TO A DIM TRACK ROAD ON THE RIGHT. (TO REACH THE O METER POINT TURN RIGHT AND GO SOUTHWEST ON TRACK ROAD FOR 0.13 KM (0.08 MI) TO THE O METER POINT WHICH IS ABOUT THE SAME ELEVATION AS THE CANAL ROAD). TO REACH THE 150 METER POINT FROM THE CANAL ROAD CONTINUE SOUTH FOR 0.2 KM (0.125 MI) TO THE MARK ON THE RIGHT ABOUT 1.8 M (6.0 FT) LOWER AND 17.68 M (58.0 FT) WEST OF THE CANAL ROAD, CONTINUE SOUTH 0.28 KM (0.175 MI) TO THE 430 METER POINT ON THE RIGHT ABOUT 0.9 M (3.0 FT) LOWER AND 18.9 M (62.0 FT) WEST OF THE CANAL ROAD, CONTINUE SOUTH 0.8 KM (0.5 MI) TO THE 1260 METER POINT ON THE RIGHT ABOUT 0.9 M (3.0 FT) LOWER AND 7.3 M (24.0 FT) WEST OF THE CANAL ROAD.

THE BASE LINE IS A NORTH-SOUTH BASE LINE WITH THE O METER POINT ON THE NORTH END. IT IS MADE UP OF 0, 150, 430, AND 1260 METER POINTS WITH POINTS FOR THE CALIBRATION OF 100 AND 200 FOOT TAPES SET NORTH AND SOUTH OF THE O METER POINT RESPECTIVELY. ALL OF THE MARKS ARE SET ON A LINE ON THE WEST SIDE OF THE LEVEE AND CANAL ROAD. ALL OF THE MARKS HAVE PLASTIC WITNESS POSTS NEAR THEM.

THE O METER POINT IS A STANDARD NGS DISK STAMPED---O 1982---SET INTO A ROCK OUTCROP OF 1.8 M (6.0 FT) LARGEST DIMENSION LOCATED 10.973 M (36.0 FT) SW FROM A CROOKED 46 CM (18 IN) JUNIPER TREE, 28.499 M (93.5 FT) W FROM REFERENCE MARK NUMBER 1, AND 54.712 M (179.5 FT) W FROM CENTER LINE OF CANAL ROAD. THE 150 METER POINT IS A STANDARD NGS DISK STAMPED---150 1982---SET INTO A SQUARE CONCRETE MONUMENT 30 CM (12 IN) IN DIAMETER ON SIDE PROJECTING 10 CM (4 IN) ABOVE THE GROUND LOCATED 3.658 M (12.0 FT) W FROM CENTER LINE OF TRACK ROAD, 17.678 (58.0 FT) W FROM CENTER LINE OF CANAL ROAD, AND 43.129 M (141.5 FT) NE FROM 76 CM (30 IN) JUNIPER TREE. THE 430 METER POINT IS A STANDARD NGS DISK STAMPED---430 1982---SET INTO THE TOP OF A SQUARE CONCRETE MONUMENT 30 CM (12 IN) IN DIAMETER ON SIDE PROJECTING 20 CM (8 IN) ABOVE THE GROUND LOCATED 3.658 M (12.0 FT) E FROM CENTER LINE OF DIM TRACK ROAD, 17.526 M (57.5 FT) SE FROM 61 CM (24 IN) JUNIPER TREE, AND 18.745 M (61.5 FT) W FROM CENTER LINE OF CANAL ROAD. THE 1260 METER POINT IS A STANDARD NGS DISK STAMPED---1260 1982---SET INTO ROCK OUTCROP 1.8 M (6.0 FT) LARGEST DIMENSION LOCATED 4.877 M (16.0 FT) E FROM EAST EDGE OF LARGE ROCK PILE, 7.315 M (24.0 FT) W FROM CENTER LINE OF CANAL ROAD, AND 9.144 M (30.0 FT) NW FROM 7.5 CM (3 IN) JUNIPER TREE.

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE CENTRAL OREGON CHAPTER OF PROFESSIONAL LAND SURVEYORS OF OREGON, FOR FURTHER INFORMATION CONTACT THE DESCHUTES COUNTY SURVEYOR, 61150 SE 27TH, BEND, OR 97702. TELEPHONE (503) 388-6589.



US DEPARTMENT OF COMMERCE - NOAA  
 NOS - NATIONAL GEODETIC SURVEY  
 ROCKVILLE MD 20852 - JANUARY 09, 1985

CALIBRATION BASE LINE DATA  
 BASE LINE DESIGNATION: NEWPORT  
 PROJECT ACCESSION NUMBER: G15773

QUAD: N441242  
 OREGON  
 LINCOLN COUNTY

LIST OF ADJUSTED DISTANCES (NOVEMBER 24, 1982)

FROM STATION	ELEV. (M)	TO STATION	ELEV. (M)	ADJ. DIST. (M) HORIZONTAL	ADJ. DIST. (M) MARK - MARK	STD. ERROR (MM)
NPT O	30.480	NPT 150	27.601	150.0031	150.0308	0.3
NPT O	30.480	NPT 430	25.515	430.1279	430.1565	0.7
NPT O	30.480	NPT 1400	27.160	1400.0290	1400.0329	1.0
NPT 150	27.601	NPT 430	25.515	280.1247	280.1325	0.6
NPT 150	27.601	NPT 1400	27.160	1250.0255	1250.0256	0.9
NPT 430	25.515	NPT 1400	27.160	969.9006	969.9020	0.6

DESCRIPTION OF NEWPORT BASE LINE

YEAR MEASURED: 1982  
 CHIEF OF PARTY: REP

THE BASE LINE IS LOCATED ABOUT 6.6 KM (4 MI) SOUTH OF NEWPORT, AT THE NEWPORT MUNICIPAL AIRPORT, PARALLEL TO AND ALONG THE EAST SIDE OF THE NORTH-SOUTH RUNWAY.

TO REACH THE BASE LINE FROM THE CENTER OF THE BRIDGE OVER YAQUINA BAY (AT THE SOUTH END OF NEWPORT), GO SOUTH ON US HIGHWAY 101 FOR 3 KM (1.6 MI) TO A PAVED ROAD RIGHT LEADING TO SOUTH BEACH STATE PARK. CONTINUE SOUTH FOR 1.6 KM (1.0 MI) TO A PAVED ROAD LEFT, JUST BEFORE REACHING TOP OF HILL. TURN LEFT FOR 0.3 KM (0.2 MI) TO A GRAVEL ROAD LEFT AT REAR OF HANGARS. TURN LEFT, NORTH, THEN EAST FOR 0.25 KM (0.15 MI) TO CENTER OF RUNWAY ON RIGHT. CONTINUE EAST FOR 0.1 KM (0.05 MI) TO THE 150 METER POINT ON THE LEFT. TURN LEFT, NORTH, TO REACH THE 0 METER POINT.

THE BASE LINE IS A NORTH-SOUTH BASE LINE WITH THE 0 METER POINT ON THE NORTH END. IT IS MADE UP OF 0, 150, 430, AND 1400 METER POINTS WITH POINTS FOR THE CALIBRATION OF 100, 200, AND 300 FOOT TAPES SET SOUTH OF THE 150 METER POINT. ALL OF THE MARKS ARE SET ON A LINE APPROXIMATELY PARALLEL TO THE NORTH-SOUTH RUNWAY AT THE AIRPORT. THE 0, 150, 430, AND 1400 METER POINTS HAVE PLASTIC WITNESS POSTS NEAR THEM.

THE 0 METER POINT IS A STANDARD NGS DISK STAMPED---NPT O 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 25 CM (10 IN) IN DIAMETER FLUSH WITH GROUND LOCATED 0.91 M (3.0 FT) W FROM FLAT PLASTIC WITNESS POST, 4.6 M (15 FT) SW FROM DIVIDE LINE BETWEEN GRASS AND CLEARED AREA, AND 48.8 M (160 FT) E FROM EXTENSION OF EAST EDGE OF NORTH-SOUTH RUNWAY. THE 150 METER POINT IS A STANDARD NGS DISK STAMPED---NPT 150 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 25 CM (10 IN) IN DIAMETER FLUSH WITH GROUND LOCATED 0.85 M (2.8 FT) W FROM FLAT PLASTIC WITNESS POST, 6.7 M (22 FT) N FROM CENTER OF GRAVEL ROAD, 37.8 M (124 FT) E FROM EXTENDED CENTER OF GRAVEL ROAD, 47.5 M (156 FT) ENE FROM EAST ONE OF FOUR END RUNWAY LIGHTS, AND 50.6 M (166 FT) ENE FROM NORTHEAST CORNER OF NORTH-SOUTH RUNWAY. THE 430 METER POINT IS A STANDARD NGS DISK STAMPED---NPT 430 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 25 CM (10 IN) IN DIAMETER FLUSH WITH GROUND LOCATED 0.94 M (3.1 FT) E FROM FLAT PLASTIC WITNESS POST, 39.17 M (128.5 FT) E FROM CENTER OF GRAVEL ROAD, 43.9 M (144 FT) N FROM NORTH EDGE OF TAXIWAY CONNECTING RUNWAYS, AND 49.7 M (163 FT) W FROM EAST EDGE OF NORTH-SOUTH RUNWAY. THE 1400 METER POINT IS A STANDARD NGS DISK STAMPED---NPT 1400 1982---SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 25 CM (10 IN) FLUSH WITH GROUND LOCATED 0.91 M (3.0 FT) W FROM FLAT PLASTIC WITNESS POST, 1.8 M (6 FT) W FROM EDGE OF CUT-OVER AREA, 51.2 M (168 FT) E FROM EAST EDGE OF NORTH-SOUTH RUNWAY, AND 51.8 M (170 FT) N FROM EXTENDED NORTH WALL OF VORTIAC BUILDING ON WEST SIDE OF RUNWAY.

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE WILLIAMETTE CHAPTER OF PROFESSIONAL LAND SURVEYORS OF OREGON. FOR FURTHER INFORMATION, CONTACT THE LINCOLN COUNTY SURVEYORS OFFICE, 880 NE 7TH, NEWPORT, OREGON 97365. TELEPHONE (503) 265-6611.

LIST OF ADJUSTED DISTANCES (JANUARY 29, 1980)

FROM STATION	ELEV. (M)	TO STATION	ELEV. (M)	ADJ. DIST. (M) HORIZONTAL	ADJ. DIST. (M) MARK - MARK	STD. ERROR (MM)
P.L.S.O. STA. NO. 1 0+00 BASE	58.64	4 A	58.77	149.9796	149.9796	0.5
P.L.S.O. STA. NO. 1 0+00 BASE	58.64	5 A	58.93	799.8679	799.8679	0.9
P.L.S.O. STA. NO. 1 0+00 BASE	58.64	P.L.S.O. STA. NO. 7 BASE	58.37	1530.5733	1530.5733	1.3
4 A	58.77	5 A	58.93	649.8883	649.8883	0.7
4 A	58.77	P.L.S.O. STA. NO. 7 BASE	58.37	1380.5937	1380.5938	1.1
5 A	58.93	P.L.S.O. STA. NO. 7 BASE	58.37	730.7055	730.7057	0.7

DESCRIPTION OF PORTLAND BASE LINE  
 YEAR MEASURED: 1976  
 CHIEF OF PARTY: MDC

THE BASE LINE IS LOCATED ABOUT 15 MILES SOUTH OF PORTLAND, 1 MILE SOUTHEAST OF WILSONVILLE, 1 MILE EAST OF INTERSTATE 5, ALONG THE WEST SIDE OF THE AURORA AIRPORT AND ALONG THE ROAD THAT LEADS TO CANBY.

TO REACH THE BASE LINE FROM THE JUNCTION OF THE CANBY EXIT OF INTERSTATE HIGHWAY 5 GO SOUTH ON THE CANBY ROAD FOR 1.3 MILES TO THE MARION COUNTY LINE. CONTINUE SOUTH ON THE CANBY ROAD FOR 1.2 MILES TO A DRIVEWAY ON THE LEFT AND THE O METER POINT AS DESCRIBED.

THE O METER POINT IS 85 FEET EAST OF THE CENTER OF THE MAIN ROAD, 35 FEET NORTHWEST OF THE CENTER OF A GATE, 32.5 FEET NORTH OF THE CENTER OF THE DRIVEWAY AND 15 FEET WEST OF A WIRE FENCE. THE DISK IS OF PLAIN BRONZE AND IS SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND. IT IS STAMPED P.L.S.O. STA. NO. 1 0+00 TEST BASE 1973.

THE 150 METER POINT IS A NGS TRIANGULATION STATION DISK, STAMPED 4 A 1976, SET IN THE TOP OF A ROUND CONCRETE MONUMENT AND PROJECTS ABOUT 4 INCHES.

THE 800 METER POINT IS A NGS TRIANGULATION STATION DISK, STAMPED 5 A 1976, SET IN THE TOP OF A ROUND CONCRETE MONUMENT AND PROJECTS ABOUT 5 INCHES.

THE 1530 METER POINT IS A PLAIN BRONZE DISK, STAMPED P.L.S.O. STA. NO. 7 TEST BASE 1973, SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND.

THE 100 FOOT POINT IS A PLAIN BRONZE DISK, STAMPED P.L.S.O. STA. NO. 2 1+00 TEST BASE 1973, SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND.

THE BASE LINE IS A NORTH-SOUTH LINE WITH THE O METER POINT ON THE SOUTH END. IT CONSISTS OF THE O, 150, 800, AND 1530 METER POINTS WITH A DISK SET AT 100 FEET FOR TAPE CALIBRATION.

FOR FURTHER INFORMATION CONTACT MR. LYLE L. RIGGERS AT P.O. BOX 12114, SALEM, OREGON 97309.