STATE OF MASSACHUSETTS

1 CONTENTS

BASE LINE DESIGNATION	STATE	COUNTY	QUAD
CAPE COD	MASSACHUSETTS	BARNSTABLE	N410701
GEORGETOWN	MASSACHUSETTS	ESSEX	N420704
MARLBORO	MASSACHUSETTS	MIDDLESEX	N420713
PITTSFIELD CBL (1994 REMEASURED)	MASSACHUSETTS	BERKSHIRE	N420732
TURNERS FALLS CBL (1996 REMEASURED)	MASSACHUSETTS	FRANKLIN	N420724

1 US DEPARTMENT OF COMMERCE - NOAA
NOS - NATIONAL GEODETIC SURVEY
ROCKVILLE MD 20852 - OCTOBER 29, 1986

CALIBRATION BASE LINE DATA
BASE LINE DESIGNATION: CAPE COD
PROJECT ACCESSION NUMBER: G16364

QUAD: N410701
MASSACHUSETTS
BARNSTABLE COUNTY

LIST OF ADJUSTED DISTANCES (JANUARY 26,1980)

FROM STATION	ELEV.(M)	TO STATION	ELEV.(M)	ADJ. DIST.(M) HORIZONTAL	ADJ. DIST.(M) MARK - MARK	STD. ERROR(MM)
0	6.10	150	7.01	149.9867	149.9895	0.2
0	6.10	430	8.87	429.9773	429.9862	0.3
0	6.10	1400	16.88	1399.9655	1400.0070	0.5
150	7.01	430	8.87	279.9905	279.9967	0.3
150	7.01	1400	16.88	1249.9788	1250.0177	0.4
430	8.87	1400	16.88	969.9882	970.0213	0.3

DESCRIPTION OF CAPE COD BASE LINE
YEAR MEASURED: 1979
CHIEF OF PARTY: CWW

THE BASE LINE IS LOCATED ON CAPE COD ABOUT 5 MILES NORTHEAST OF HYANNIS AND 0.4 MILE SOUTHEAST OF YARMOUTH IN THE MEDIAN STRIP BETWEEN EXITS 8 AND 9 OF UNITED STATES HIGHWAY 6.

TO REACH THE 0 METER POINT FROM THE JUNCTION OF HIGHWAY 6 AND UNION STREET AT EXIT 8 GO EAST ON HIGHWAY 6 FOR 1.5 MILES TO THE 0 METER POINT ON THE LEFT.

THE 0 METER POINT IS 153.5 FEET WEST OF THE SOUTHWEST CORNER OF THE CENTER PIER OF AN OVERPASS, 31 FEET NORTH OF THE CENTER LINE OF THE EAST BOUND LANES OF HIGHWAY 6, 11.5 FEET NORTH-NORTHWEST OF MILE POST 75.9 AND 5 FEET SOUTH OF A METAL WITNESS POST.

ALL OF THE MARKS ARE STANDARD CALIBRATION BASE LINE DISKS, STAMPED WITH THEIR BASE LINE DESIGNATION AND THE YEAR 1979, SET

IN THE TOP OF ROUND CONCRETE MONUMENTS THAT ARE ABOUT 2 INCHES BELOW THE SURFACE.

THE BASE LINE IS A EAST-WEST LINE WITH THE 0 METER POINT ON THE EAST END. IT IS MADE UP OF THE 0, 150, 430, AND 1400 METER POINTS WITH TWO MARKS FOR THE CALIBRATION OF 100 AND 200 FOOT TAPES SET ON LINE WEST OF THE 0 METER POINT.

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE MASSACHUSETTS ASSOCIATION OF LAND SURVEYORS AND CIVIL ENGINEERS AND THE MASSACHUSETTS GEODETIC SURVEY. FOR FURTHER INFORMATION CONTACT THE MASSACHUSETTS GEODETIC SURVEY, ROOM 717, 100 NASHUA STREET, BOSTON, MASSACHUSETTS 02114. TELEPHONE 617-727-8287 OR MR. GERALD S. SHELBY, MOORE SURVEY AND MAPPING CORPORATION, 29 GRAFTON CIRCLE, SHREWSBURY, MASSACHUSETTS 01545. TELEPHONE 617-845-4181.

1 US DEPARTMENT OF COMMERCE - NOAA
NOS - NATIONAL GEODETIC SURVEY
ROCKVILLE MD 20852 - OCTOBER 29, 1986

CALIBRATION BASE LINE DATA
BASE LINE DESIGNATION: GEORGETOWN
PROJECT ACCESSION NUMBER: G16364

QUAD: N420704
MASSACHUSETTS
ESSEX COUNTY

LIST OF ADJUSTED DISTANCES (JANUARY 26,1980)

FROM STATION	ELEV.(M)	TO STATION	ELEV.(M)	ADJ. DIST.(M) HORIZONTAL	ADJ. DIST.(M) MARK - MARK	STD. ERROR(MM)
0	23.65	150	23.37	150.0018	150.0021	0.2
0	23.65	430	24.39	430.0026	430.0032	0.4
0	23.65	1200	24.47	1200.0000	1200.0003	0.5
150	23.37	430	24.39	280.0007	280.0026	0.3
150	23.37	1200	24.47	1049.9981	1049.9987	0.4
430	24.39	1200	24.47	769.9974	769.9974	0.3

DESCRIPTION OF GEORGETOWN BASE LINE
YEAR MEASURED: 1979
CHIEF OF PARTY: CWW

THE BASE LINE IS LOCATED ABOUT 25 MILES NORTH OF BOSTON AND 1.5 MILES SOUTHEAST OF GEORGETOWN ALONG THE EASTERN EDGE OF THE NORTH BOUND LANES OF INTERSTATE 95.

TO REACH THE 1200 METER POINT FROM THE JUNCTION OF STATE ROUTE 133 AND INTERSTATE 95, GO NORTH ON INTERSTATE 95 FOR 0.9 MILE TO THE STATION ON THE RIGHT.

THE 1200 METER POINT IS ABOUT 0.2 MILE NORTH OF THE FIRST OVERPASS NORTH OF ROUTE 133, 80 FEET NORTHEAST OF A GUARD RAIL, 47 FEET EAST OF THE CENTER LINE OF THE NORTH BOUND LANES OF INTERSTATE 95 AND 5 FEET WEST OF A METAL WITNESS POST.

ALL OF THE MARKS ARE STANDARD CALIBRATION BASE LINE DISKS, STAMPED WITH THEIR BASE LINE DESIGNATION AND THE YEAR 1979, SET IN THE TOP OF ROUND CONCRETE MONUMENTS THAT ARE ABOUT 1 INCH BELOW THE SURFACE.

THE BASE LINE IS A NORTH-SOUTH LINE WITH THE 0 METER POINT ON THE NORTH END. IT IS MADE UP OF THE 0, 150, 430, AND 1200 METER POINTS WITH TWO MARKS FOR THE CALIBRATION OF 100 AND 200 FOOT TAPES SET ON LINE SOUTH OF THE 0 METER POINT. ALL OF THE MARKS ARE SET ON A LINE PARALLEL WITH THE EASTERN EDGE OF THE NORTH BOUND LANES OF INTERSTATE 95.

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE MASSACHUSETTS ASSOCIATION OF LAND SURVEYORS AND CIVIL ENGINEERS AND THE MASSACHUSETTS GEODETIC SURVEY. FOR FURTHER INFORMATION CONTACT THE MASSACHUSETTS GEODETIC SURVEY, ROOM 717, 100 NASHUA STREET, BOSTON, MASSACHUSETTS 02114. TELEPHONE 617-727-8287 OR MR. GERALD S. SHELBY, MOORE SURVEY AND MAPPING CORPORATION, 29 GRAFTON CIRCLE, SHREWSBURY, MASSACHUSETTS 01545. TELEPHONE 617-845-4181.

1 US DEPARTMENT OF COMMERCE - NOAA
NOS - NATIONAL GEODETIC SURVEY
ROCKVILLE MD 20852 - OCTOBER 29, 1986

CALIBRATION BASE LINE DATA
BASE LINE DESIGNATION: MARLBORO
PROJECT ACCESSION NUMBER: G16364

QUAD: N420713
MASSACHUSETTS
MIDDLESEX COUNTY

LIST OF ADJUSTED DISTANCES (JANUARY 26,1980)

FROM STATION	ELEV.(M)	TO STATION	ELEV.(M)	ADJ. DIST.(M) HORIZONTAL	ADJ. DIST.(M) MARK - MARK	STD. ERROR(MM)
0	76.20	150	75.37	149.9972	149.9995	0.2
0	76.20	430	74.11	430.0017	430.0068	0.4
0	76.20	1330	73.90	1329.9806	1329.9825	0.5
150	75.37	430	74.11	280.0046	280.0074	0.3
150	75.37	1330	73.90	1179.9833	1179.9842	0.4
430	74.11	1330	73.90	899.9787	899.9787	0.3

DESCRIPTION OF MARLBORO BASE LINE
YEAR MEASURED: 1979
CHIEF OF PARTY: CWW

THE BASE LINE IS LOCATED ABOUT 10 MILES NORTHEAST OF WORCESTER IN THE TOWN OF MARLBORO AND ALONG THE SOUTHERN EDGE OF THE MEDIAN STRIP OF INTERSTATE HIGHWAY 290.

TO REACH THE BASE LINE FROM THE JUNCTION OF INTERSTATE HIGHWAYS 290 AND 495 IN MARLBORO GO WEST ON INTERSTATE 290 FOR 2.1 MILE TO THE 0 METER POINT ON THE LEFT.

THE 0 METER POINT IS 39 FEET SOUTH OF A CONCRETE CATCH BASIN, 13 FEET NORTH-NORTHWEST OF THE NORTH EDGE OF THE EAST BOUND LANES OF INTERSTATE 290 AND 3 FEET SOUTH OF A METAL WITNESS POST.

ALL OF THE MARKS ARE STANDARD CALIBRATION BASE LINE DISKS SET IN THE TOP OF SQUARE CONCRETE MONUMENTS THAT ARE ABOUT 2 INCHES BELOW THE SURFACE. EACH METER POINT HAS TWO REFERENCE MARKS AND AN UNDERGROUND MARK. ALL OF THE MARKS ARE STAMPED WITH THEIR BASE LINE DESIGNATION AND THE YEAR 1979.

THE BASE LINE IS A EAST-WEST LINE WITH THE 0 METER POINT ON THE WEST END. IT IS MADE UP OF THE 0, 150, 430, AND 1330 METER POINTS WITH TWO MARKS FOR THE CALIBRATION OF 100 AND 200 FOOT TAPES SET ON LINE EAST OF THE 0 METER POINT.

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE STATE OF MASSACHUSETTS. FOR FURTHER INFORMATION CONTACT THE MASSACHUSETTS GEODETIC SURVEY, ROOM 717, 100 NASHUA STREET, BOSTON, MASSACHUSETTS 02114. TELEPHONE 617-727-8287.

1US DEPARTMENT OF COMMERCE - NOAA
NOS - NATIONAL GEODETIC SURVEY

CALIBRATION BASE LINE DATA
BASE LINE DESIGNATION: PITTSFIELD CBL

QUAD: N420732
MASSACHUSETTS

ROCKVILLE MD 20852 - SEPTEMBER 27, 1994 PROJECT ACCESSION NUMBER: 16364 BERKSHIRE COUNTY
NEAREST TOWN: PITTSFIELD

LIST OF ADJUSTED DISTANCES (SEPTEMBER 13, 1994)

FROM STATION	ELEV.(M)	TO STATION	ELEV.(M)	ADJ. DIST.(M) HORIZONTAL	ADJ. DIST.(M) MARK - MARK	STD. ERROR(MM)
0 1979	346.230	150 1979	347.690	150.0002	150.0073	0.1
0 1979	346.230	430 1979	350.526	429.9856	430.0071	0.1
0 1979	346.230	1400 1994	360.230	1399.9229	1399.9929	0.2
150 1979	347.690	430 1979	350.526	279.9854	279.9998	0.1
150 1979	347.690	1400 1994	360.230	1249.9227	1249.9856	0.1
430 1979	350.526	1400 1994	360.230	969.9373	969.9858	0.1

DESCRIPTION OF PITTSFIELD BASE LINE
YEAR MEASURED: 1979
YEAR REMEASURED (AFTER 1400-METER REPOSITIONED): 1994

THE BASE LINE IS LOCATED ABOUT 3.2 KM (2.0 MI) SOUTHWEST OF DOWNTOWN PITTSFIELD AT THE PITTSFIELD MUNICIPAL AIRPORT. THE BASE LINE RUNS ALONG AND IS APPROXIMATELY PARALLEL WITH THE SOUTHERN EDGE OF RUNWAY 08-26.

NOTE - MR. LYNN LYON, AIRPORT MANAGER, LYON AVIATION INC, PITTSFIELD MUNICIPAL AIRPORT, TAMARACK ROAD, PITTSFIELD, MA 01201, TELEPHONE 413-443-6700, MUST BE NOTIFIED PRIOR TO ENTRY ONTO AIRPORT PROPERTY. HE WILL BRIEF THE USER ON AIRPORT PROCEDURES, AND WILL ALSO OPEN THE LOCKED GATE.

THE BASE LINE IS A EAST-NORTHEAST, WEST-SOUTHWEST LINE WITH THE 0-METER POINT ON THE EAST-NORTHEAST END. IT CONSISTS OF THE 0, 150, 430, AND 1400 METER POINTS WITH A 100-FOOT AND A 200-FOOT TAPE CALIBRATION STATION LOCATED ON LINE AND WEST-SOUTHWEST OF THE 430-METER POINT. THE TWO TAPE CALIBRATION STATIONS WERE NOT REMEASURED IN 1994.

TO REACH THE 0-METER POINT FROM THE JUNCTION OF U.S. HIGHWAY 20 WEST (HOUSATONIC STREET) AND U.S. HIGHWAY 7 (SOUTH STREET), LOCATED JUST SOUTH OF DOWNTOWN PITTSFIELD, GO SOUTH ON U.S. HIGHWAY 7/20 (SOUTH STREET) FOR 3.9 KM (2.4 MI) TO THE INTERSECTION OF DAN FOX DRIVE ON THE RIGHT. TURN RIGHT AND MEANDER WESTERLY ON DAN FOX DRIVE (WHICH TURNS INTO TAMARACK ROAD) FOR 3.15 KM (2.0 MI) TO AN INTERSECTION OF TWO ROADS ON THE RIGHT. TAKE THE FIRST RIGHT, AIRPORT ROAD, AND GO NORTHERLY FOR 0.3 KM (0.2 MI) TO WHERE THE ROAD SPLITS TO MAKE AN OVAL DRIVE IN FRONT OF THE AIRPORT TERMINAL. BEAR RIGHT AND GO AROUND THE OVAL FOR 120 M (394 FT), PASSING THE AIRPORT TERMINAL, TO THE ENTRANCE TO THE PARKING LOT ON THE RIGHT. TURN RIGHT AND GO NORTHERLY THROUGH THE PARKING LOT FOR 50 M (164 FT) TO A LOCKED GATE IN A CHAIN LINK FENCE. GO THROUGH THE GATE, BEAR SLIGHTLY TO THE LEFT AND GO NORTHERLY ACROSS THE AIRPLANE PARKING AREA AND UP A SHORT TAXIWAY FOR 120 M (394 FT) TO RUNWAY 14-32. CONTINUE NORTHERLY AND GO ACROSS RUNWAY 14-32 FOR 50 M (164 FT) TO RUNWAY 08-26. TURN RIGHT AND GO NORTHEASTERLY ALONG THE SOUTHERN EDGE OF RUNWAY 08-26 FOR 0.5 KM (0.3 MI) TO THE MARK ON THE RIGHT.

THE 0-METER POINT IS A STANDARD NGS CALIBRATION BASE LINE DISK STAMPED "0 1979" SET IN THE TOP OF A 40 CM (16 IN) DIAMETER CONCRETE POST RECESSED 5 CM (2 IN) BELOW THE SURFACE OF THE GROUND. IT IS 36.5 M (119.8 FT) SOUTHWEST OF THE SOUTHERNMOST RUNWAY ENDLIGHT, 23.7 M (77.8 FT) EAST-NORTHEAST OF A RUNWAY LIGHT, 9.3 M (30.5 FT) NORTH-NORTHWEST OF A FIBERGLASS WITNESS POST AND 7.5 M (24.6 FT) SOUTH-SOUTHEAST OF THE SOUTHERN EDGE OF RUNWAY 08-26.

THE 150-METER POINT IS A STANDARD NGS CALIBRATION BASE LINE DISK STAMPED "150 1979" SET IN THE TOP OF A 40 CM (16 IN) DIAMETER CONCRETE POST RECESSED 5 CM (2 IN) BELOW THE SURFACE OF THE GROUND. IT IS 50.0 M (164.0 FT) EAST-NORTHEAST OF A RUNWAY LIGHT, 10.3 M (33.8 FT) SOUTHWEST OF A RUNWAY LIGHT, 8.1 M (26.6 FT) NORTH-NORTHWEST OF A FIBERGLASS WITNESS POST AND 7.5 M (24.6 FT) SOUTH-SOUTHEAST OF THE SOUTHERN EDGE OF RUNWAY 08-26.

1THE 430-METER POINT IS A STANDARD NGS CALIBRATION BASE LINE DISK STAMPED "430 1979" SET IN THE TOP OF A 34 CM (13 IN) DIAMETER CONCRETE POST RECESSED 5 CM (2 IN) BELOW THE SURFACE OF THE GROUND. IT IS 25.1 M (82.3 FT) NORTHEAST OF THE SOUTHEAST CORNER OF THE RUNWAY "32-14" SIGN, 7.6 M (24.9 FT) SOUTH-SOUTHEAST OF THE SOUTHERN EDGE OF RUNWAY 08-26, 7.3 M (24.0 FT) NORTH-NORTHWEST OF A METAL WITNESS POST AND 6.8 M (22.3 FT) EAST-SOUTHEAST OF A RUNWAY LIGHT.

THE 1400-METER POINT IS A STANDARD NGS CALIBRATION BASE LINE DISK STAMPED "1400 1994" SET IN THE TOP OF A 20 CM (8 IN) IRREGULAR SQUARE CONCRETE POST RECESSED 10 CM (4 IN) BELOW THE SURFACE OF THE GROUND. IT IS 35.3 M (115.8 FT) EAST-NORTHEAST OF A RUNWAY LIGHT, 24.1 M (79.1 FT) SOUTHWEST OF A RUNWAY LIGHT, 8.0 M (26.2 FT) NORTH-NORTHWEST OF A FIBERGLASS WITNESS POST AND 7.4 M (24.3 FT) SOUTH-SOUTHEAST OF THE SOUTHERN EDGE OF RUNWAY 08-26.

USER NOTES: CBL USERS SHOULD TAKE CARE IN PLUMBING OVER ALL POINTS. ELEVATIONS ARE FOR CBL USE ONLY. DURING RUNWAY CONSTRUCTION IN EARLY 1994, THE 1400-METER POINT WAS DISTURBED. IN AUGUST 1994 THE 1400-METER POINT WAS REESTABLISHED IN A SLIGHTLY DIFFERENT LOCATION (NOT RESET IN ITS ORIGINAL POSITION) PRECIPITATING THE REMEASUREMENT OF THE BASE LINE.

THIS CALIBRATION BASE LINE WAS ESTABLISHED AND REMEASURED IN CONJUNCTION WITH THE BERKSHIRE COUNTY CHAPTER OF THE MASSACHUSETTS ASSOCIATION OF LAND SURVEYORS AND CIVIL ENGINEERS. FOR MORE INFORMATION PLEASE CONTACT MR. DENNIS DRUMM, DENNIS C. DRUMM ASSOCIATES, 184 NORTH STREET, PITTSFIELD, MA 01201. TELEPHONE 413-443-7192.

1 US DEPARTMENT OF COMMERCE - NOAA
NOS - NATIONAL GEODETIC SURVEY
SILVER SPRING MD 20910 - SEPTEMBER 18, 1996

CALIBRATION BASE LINE DATA
BASE LINE DESIGNATION: TURNERS FALLS CBL
PROJECT ACCESSION NUMBER: 16364
NEAREST TOWN: MONTAGUE

QUAD: N420724
MASSACHUSETTS
FRANKLIN COUNTY

LIST OF ADJUSTED DISTANCES (SEPTEMBER 9, 1996)

FROM STATION	ELEV.(M)	TO STATION	ELEV.(M)	ADJ. DIST.(M) HORIZONTAL	ADJ. DIST.(M) MARK - MARK	STD. ERROR(MM)
0 1979	108.590	150 1979	107.697	149.9875	149.9902	0.1
0 1979	108.590	430 1979	106.292	429.9977	430.0038	0.2
0 1979	108.590	1030 1979	105.142	1029.9972	1030.0030	0.2
150 1979	107.697	430 1979	106.292	280.0102	280.0137	0.1
150 1979	107.697	1030 1979	105.142	880.0096	880.0134	0.2
430 1979	106.292	1030 1979	105.142	599.9994	600.0005	0.1

DESCRIPTION OF TURNERS FALLS BASE LINE
YEAR MEASURED: 1979
YEAR REMEASURED: 1996
LATITUDE: 42 35 18
LONGITUDE: 072 31 13
AZIMUTH: 325 DEGREES TRUE NORTH
CHIEF OF PARTY: WJR

THE BASE LINE IS LOCATED ABOUT 2.0 MI (3.2 KM) SOUTHEAST OF TURNERS FALLS, 1.6 MI (2.6 KM) NORTHEAST OF MILLERS FALLS AND 1.4 MI (2.3 KM) SOUTHWEST OF THE FRENCH KING BRIDGE, AT THE TURNERS FALLS AIRPORT. OWNERSHIP -- TOWN OF MONATGUE, FOR PERMISSION TO ENTER AIRPORT CONTACT AIRPORT MANAGER MR. CHARLIE BOHONOWITZ, TELEPHONE 413-863-9391.

THE BASE LINE IS A NORTH-NORTHWEST -- SOUTH-SOUTHEAST LINE WITH THE 0-METER POINT ON THE SOUTH-SOUTHEAST END. IT CONSISTS OF THE 0, 150, 430, AND 1030-METER POINTS WITH 100-FOOT AND 200-FOOT TAPE CALIBRATION POINTS SET NORTH-NORTHWEST OF THE 0-METER POINT. THE TAPE CALIBRATION POINTS WERE NOT REMEASURED.

TO REACH 1030-METER POINT FROM THE JUNCTION OF AVENUE A AND 3RD STREET IN TURNERS FALLS (ABOUT 0.1 MI (0.2 KM) SOUTHWEST OF THE SOUTHERN END OF THE BRIDGE OVER THE CONNECTICUT RIVER) . TURN LEFT AND GO SOUTHEASTERLY ON 3RD STREET FOR 0.8 MI (1.3 KM) TO A FORK JUST PAST CREST OF BIG HILL. TAKE THE LEFT FORK (MILLERS FALLS ROAD) AND GO SOUTHEAST AND EAST FOR 1.5 MI (2.4 KM) TO INDUSTRIAL BLVD ON THE LEFT. TURN LEFT AND GO NORTHERLY ON INDUSTRIAL BLVD FOR .45 MI (0.72 KM) TO THE STATION ON THE RIGHT.

TO REACH THE 430-METER POINT FROM THE INTERSECTION OF MILLERS FALLS ROAD AND INDUSTRIAL BLVD, CONTINUE EASTERLY ON MILLERS FALLS ROAD FOR 0.2 MI (0.3 KM) TO A DIVIDED SIDE ROAD ON THE LEFT AT AIRPORT. TURN LEFT AND GO NORTH FOR 0.1 MI (0.2 KM) TO OPENING IN CABLE BARRIER FENCE. PASS THRU OPENING FOR ABOUT 100 FT (30.5 M) TO CORNER OF AIRPLANE PARKING RAMP. TURN RIGHT AND GO EAST-NORTHEAST FOR 144 FT (43.9 M) TO TAXIWAY. THE STATION IS SOUTH OF THE CROSSOVER BETWEEN THE TAXIWAY AND RUNWAY 34.

TO REACH THE 150-METER POINT FROM THE 430-METER POINT TURN RIGHT AND GO SOUTH-SOUTHEAST ON TAXIWAY FOR 0.15 MI (0.24 KM) TO THE STATION ON THE LEFT BETWEEN TAXIWAY AND RUNWAY 34.

TO REACH THE 0-METER POINT CONTINUE ALONG TAXIWAY FOR 0.1 MI (0.2 KM) TO THE STATION ON THE LEFT ABOUT 0.03 MI (0.05 KM) BEFORE REACHING END OF TAXIWAY.

THE 0-METER POINT IS A STANDARD CALIBRATION BASE LINE DISK STAMPED "0 1979" SET IN THE TOP OF A 1.3 FT (0.4 M) ROUND CONCRETE MONUMENT PROJECTING 2-INCHES ABOVE GROUND. IT IS 152.6 FT (46.5 M) NORTH OF THE TOP CENTER OF CONCRETE CULVERT UNDER THE TAXIWAY, 113.4 FT (34.6 M) WEST-SOUTHWEST OF THE APPROXIMATE CENTERLINE OF RUNWAY 34, 112.1 FT (34.2 M) EAST-NORTHEAST OF THE APPROXIMATE CENTERLINE OF THE TAXIWAY, 43.9 FT (13.4 M) SOUTH OF THE SOUTHWEST LEG OF A VASI LIGHT, AND 2.1 FT (0.6 M) EAST OF A WITNESS POST.

1THE 150-METER POINT IS A STANDARD CALIBRATION BASE LINE DISK STAMPED "150 1979" SET IN THE TOP OF A 1.6 FT (0.5 M) ROUND CONCRETE MONUMENT FLUSH WITH THE SURFACE. IT IS 113.5 FT (34.6 M) EAST-NORTHEAST OF THE APPROXIMATE CENTERLINE OF THE TAXIWAY, 111.4 FT (34.0 M) WEST-SOUTHWEST OF THE APPROXIMATE CENTERLINE OF RUNWAY 34, 63.5 FT (19.4 M) WEST-SOUTHWEST OF A RUNWAY LIGHT, 24.3 FT (7.4 M) EAST-NORTHEAST OF A METAL WITNESS POST, AND 1.6 FT (0.5 M) EAST OF A WITNESS POST.

THE 430-METER POINT IS A STANDARD CALIBRATION BASE LINE DISK STAMPED "430 1979" SET IN THE TOP OF A 1.8 FT (0.5 M) ROUND CONCRETE MONUMENT FLUSH WITH THE SURFACE. IT IS 126.3 FT (38.5 M) SOUTH-SOUTHEAST OF THE APPROXIMATE CENTERLINE OF THE CROSSOVER RAMP, 116.4 FT (35.5 M) EAST-NORTHEAST OF THE APPROXIMATE CENTERLINE OF THE TAXIWAY, 108.1 FT (32.9 M) WEST-SOUTHWEST OF THE APPROXIMATE CENTERLINE OF RUNWAY 34, 13.3 FT (4.1 M) EAST-NORTHEAST OF A METAL WITNESS POST AND 1.8 FT (0.5 M) EAST OF A WITNESS POST.

THE 1030-METER POINT IS A STANDARD CALIBRATION BASE LINE DISK STAMPED "1030 1979" SET IN THE TOP OF 1.1 FT (0.3 M) ROUND CONCRETE MONUMENT FLUSH WITH THE SURFACE. IT IS 62.7 FT (19.1 M) SOUTH-SOUTHEAST OF THE APPROXIMATE CENTERLINE OF INDUSTRIAL BLVD, 60.5 FT (18.4 M) NORTH-NORTHWEST OF THE APPROXIMATE CENTERLINE OF A TRACK ROAD WHICH RUNS ACROSS THE NORTHERN END OF AIRPORT, 40.7 FT (12.4 M) SOUTHEAST OF THE SOUTH CORNER OF A CONCRETE COVER OVER A STORM DRAIN IN THE SOUTHERN DITCH ALONG INDUSTRIAL BLVD, 5.0 FT (1.5 M) WEST OF A METAL WITNESS POST, AND 2.2 FT (0.7 M) EAST OF A WITNESS POST.

USER NOTES -- CBL USERS SHOULD TAKE CARE IN PLUMBING OVER ALL POINTS. ELEVATIONS ARE FOR CBL USE ONLY.

THIS CALIBRATION BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE MASSACHUSETTS ASSOCIATION OF LAND SURVEYORS AND CIVIL ENGINEERS. FOR FURTHER INFORMATION CONTACT MR. DOUGLAS STEPHENS, AINSWORTH ASSOCIATES, INC. 117 MAIN STREET, GREENFIELD, MA 01302, TELEPHONE - 413-774-7248.