

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: CWV

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.