

Lexington CBL, 1/2

QUAD: N380842  
 NOS - NATIONAL GEODETIC SURVEY  
 SILVER SPRING MD 20910 - July 11, 2002

US DEPARTMENT OF COMMERCE - NOAA  
 BASE LINE DESIGNATION: LEXINGTON CBL  
 PROJECT ACCESSION NUMBER: 15458  
 NEAREST TOWN: LEXINGTON

CALIBRATION BASE LINE DATA  
 KENTUCKY  
 FAYETTE COUNTY

LIST OF ADJUSTED DISTANCES (MAY 28, 2002)

FROM STATION	ELEV.(M)	TO STATION	ELEV.(M)	ADJ. DIST.(M) HORIZONTAL	ADJ. DIST.(M) MARK - MARK	STD. ERROR(MM)
0 M	269.573	150M	270.195	150.0010	150.0023	.1
0 M	269.573	791 M	274.124	790.9693	790.9824	.1
0 M	269.573	1184 M	282.626	1183.6706	1183.7425	.2
150M	270.195	791 M	274.124	640.9682	640.9803	.1
150M	270.195	1184 M	282.626	1033.6695	1033.7442	.1
791 M	274.124	1184 M	282.626	392.7009	392.7929	.1

DESCRIPTION OF LEXINGTON CALIBRATION BASE LINE  
 YEAR MEASURED: 1975  
 YEAR REMEASURED: 1981, 1993, 2001  
 LATITUDE: 38 06 21 N  
 LONGITUDE: 84 29 55 W  
 AZIMUTH: 123 DEGREES TRUE NORTH  
 CHIEF OF PARTY: JRM

THE BASE LINE IS LOCATED ABOUT 6.0 KM (3.7 MI) NORTH OF LEXINGTON IN THE SOUTHWEST ANGLE OF INTERSTATE HIGHWAYS 64 AND 75 (EXIT 115) AND STATE HIGHWAY 922 ON THE PROPERTY OF THE LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF PARKS AND RECREATION, COLDSTREAM PARK. THE BASE LINE RUNS ALONG AND IS APPROXIMATELY PARALLEL WITH THE SOUTHERN INTERSTATE RIGHT-OF-WAY FENCE BETWEEN CANE RUN CREEK AND THE EASTBOUND LANE EXIT 115 OFF-RAMP.

THE BASE LINE IS A WEST-NORTHWEST, EAST-SOUTHEAST LINE WITH THE 0-METER POINT ON THE WEST-NORTHWEST END. IT CONSISTS OF THE 0, 150, 791, AND 1184 METER POINTS.

TO REACH THE 0-METER POINT FROM THE JUNCTION OF INTERSTATE HIGHWAYS 64 AND 75 AND STATE HIGHWAY 922 (NEWTOWN PIKE), LOCATED NORTH OF LEXINGTON, GO SOUTH ON STATE HIGHWAY 922 FOR 0.55 KM (0.34 MI) TO THE INTERSECTION OF ARISTEDES BOULEVARD ON THE RIGHT. TURN RIGHT AND GO NORTHWEST ON ARISTEDES BOULEVARD FOR 0.56 KM (0.35 MI) TO INTERSECTION WITH MCGRATLIANA PARKWAY. TURN RIGHT AND GO NORTH ON MCGRATLIANA PARKWAY FOR 0.16 KM (0.10 MI) TO COLDSTREAM PARK ENTRANCE ROAD ON THE RIGHT. TURN RIGHT AND GO EAST ON THE PARK ENTRANCE ROAD FOR 0.40 KM (0.25 MI) TO ENTRANCE SIGN FOR COLDSTREAM PARK. CONTINUE ON PARK ROAD FOR 0.16 KM (0.1 MI) TO A FORK. TAKE LEFT FORK AND CONTINUE NORTHWEST ON PARK ROAD 0.08 KM (0.05 MI) TO ANOTHER FORK. TAKE LEFT FORK AND CONTINUE WEST ON PARK ROAD FOR 0.89 KM ( 0.55 MI) TO A METAL GATE. PASS THROUGH GATE AND CONTINUE NORTHWEST ON PARK ROAD FOR 0.24 KM (0.15 MI) TO A BRIDGE ON THE RIGHT CROSSING A STREAM. TURN RIGHT AND CROSS OVER BRIDGE. THE 0-METER POINT IS NORTHEAST OF THE NORTHEAST CORNER OF THE BRIDGE AND NEAR THE EAST EDGE OF AN ABANDONED PAVED ROAD.

THE 0-METER POINT IS A STANDARD NGS VERTICAL CONTROL MARK DISK STAMPED "0 M" SET IN THE TOP OF A 30 CM (12 IN) DIAMETER CONCRETE POST FLUSH WITH THE SURFACE OF THE GROUND. IT IS 13.7 M (44.9 FT) NORTHEAST OF THE CENTERLINE OF A PAVED FARM ROAD, 8.8 M (28.9 FT) SOUTH SOUTHEAST OF SEWAGE FORCE MAIN MARKER, 6.8 M (22.3 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST IN A METAL RIGHT-OF-WAY FENCE, 5.9 M (19.4 FT) EAST OF THE NORTHWEST CORNER OF A CONCRETE CULVERT OVER A STREAM, 5.6 M (18.4 FT) NORTH OF THE NORTHEAST CORNER OF A CONCRETE CULVERT OVER A STREAM, AND 1.2 M (3.9 FT) EAST OF THE EASTERN EDGE OF AN ABANDONED PAVED ROAD.

THE 150-METER POINT IS A STANDARD NGS VERTICAL CONTROL MARK DISK STAMPED "150 M" SET IN THE TOP OF A 30 CM (12 IN) DIAMETER CONCRETE POST FLUSH WITH THE SURFACE OF THE GROUND. IT IS 43.5 M (142.7 FT) EAST OF A FIRE HYDRANT, 20.3 M (66.6 FT) NORTHEAST OF THE CENTERLINE OF A PAVED PARK ROAD, 14.0 M (45.9 FT) NORTHEAST OF THE CENTER OF A SMALL STREAM, 11.7 M (38.4 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST IN A METAL RIGHT-OF-WAY FENCE, AND 6.9 M (22.6 FT) SOUTHWEST OF A METAL WITNESS POST IN A LINE OF SYCAMORE TREES.

THE 791-METER POINT IS A STANDARD NGS VERTICAL CONTROL MARK DISK STAMPED "791 M" SET IN THE TOP OF A 33 CM (13 IN) DIAMETER CONCRETE POST FLUSH WITH THE SURFACE OF THE GROUND. IT IS 63.9 M (209.6 FT) NORTHEAST OF THE NORTHERN CORNER OF A 3.4 M (11.15 FT) BY 3.4 M (11.15 FT) STUCCO BUILDING, 47.5 M (155.8 FT) NORTHEAST OF THE CENTERLINE A PAVED PARK ROAD, 12.9 M (42.3 FT) SOUTHWEST OF A METAL FENCE CORNER, AND 0.9 M (3.0 FT) NORTHWEST OF A FIBERGLASS WITNESS POST IN A METAL FENCE.

THE 1184-METER POINT IS A STANDARD NGS VERTICAL CONTROL MARK DISK STAMPED "1184 M" SET IN THE TOP OF A 33 CM (13 IN) DIAMETER CONCRETE POST THAT IS FLUSH THE SURFACE OF THE GROUND. IT IS 23.8 M (78.1 FT) SOUTH OF A METAL LIGHT POST, 23.5 M (77.1 FT) SOUTHWEST OF THE CENTERLINE OF THE EASTBOUND LANES EXIT 115 OFF-RAMP, 14.0 M (45.9 FT) WEST OF THE SOUTHERN SUPPORT POST FOR A METAL EXPRESSWAY SIGN, 1.4 M (4.6 FT) SOUTHEAST OF A WOODEN FENCE POST, AND 0.7 M (2.3 FT) SOUTHWEST OF A METAL WITNESS POST IN A METAL RIGHT-OF-WAY FENCE.

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

THIS CALIBRATION BASE LINE WAS REMEASURED WITH ASSISTANCE FROM THE BLUEGRASS CHAPTER OF THE KENTUCKY ASSOCIATION OF PROFESSIONAL SURVEYORS (KAPS). FOR MORE INFORMATION PLEASE CONTACT KAPS OFFICE LOCATED AT 124 WALNUT STREET, FRANKFORT, KY 40601, TELEPHONE 800-866-3029 OR CONTACT ROSS MACKAY, NGS KENTUCKY GEODETIC ADVISOR, TELEPHONE 502-573-0189.