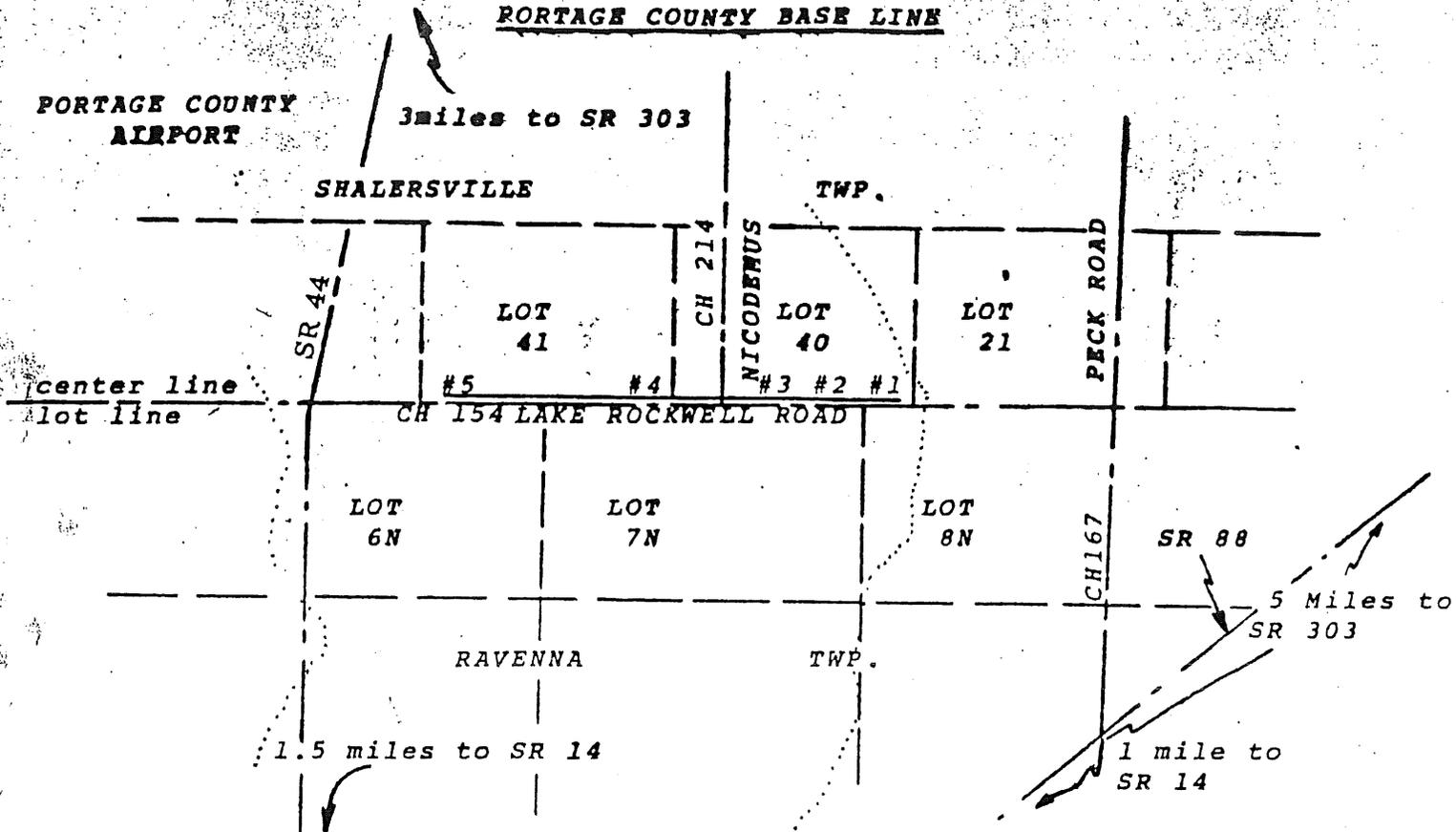


PORTAGE COUNTY BASE LINE



Located on County Highway 154, Lake Rockwell Road (Sections F & G)

Located on Ravenna & Shalersville Township Line, Townships
3 North & 4 North, Connecticut Western Reserve

Latitude 81° 14", Longitude 41° 12".

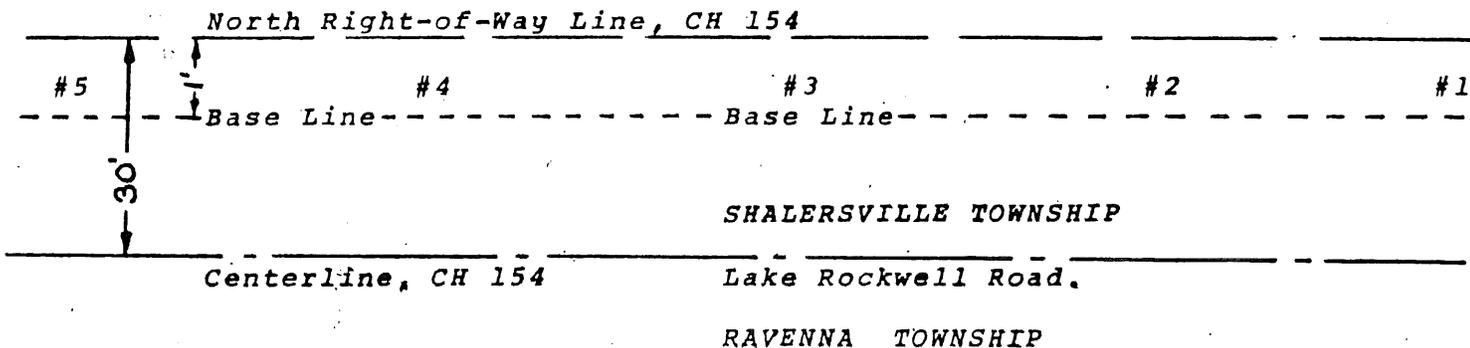
Portage County, Ohio (County Seat=Ravenna, Ohio 44266)

--2 miles North of Ravenna via SR 44

--6 miles South of Mantua via SR 44

--3 miles East of Streetsboro via SR 14 & CH 164

--10 miles Southwest of Windham via SR 303, SR 88, & CH 167



US DEPARTMENT OF COMMERCE - NOAA
 DATA QUAD: N410812
 NOS - NATIONAL GEODETIC SURVEY
 DESIGNATION: RAVENNA CBL OHIO
 SILVER SPRING MD 20910
 NUMBER: 15849 PORTAGE COUNTY
 RAVENNA

CALIBRATION BASE LINE
 BASE LINE
 PROJECT ACCESSION
 NEAREST TOWN:

LIST OF ADJUSTED

DISTANCES (10/ 3/2007)

ADJ. DIST. (M)	ADJ. DIST. (M)	STD.	ELEV. (M)	TO STATION
FROM STATION	HORIZONTAL	MARK - MARK	ERROR (MM)	
CALIBRATED BASE LINE 0 M			345.730	CALIBRATED BASE LINE 151 M
347.270	151.0047	151.0125	.1	
CALIBRATED BASE LINE 0 M			345.730	CALIBRATED BASE LINE 799 M
352.019	799.0148	799.0396	.2	
CALIBRATED BASE LINE 0 M			345.730	CALIBRATED BASE LINE 1401 M
M 363.528	1401.0084	1401.1214	.3	
CALIBRATED BASE LINE 151 M			347.270	CALIBRATED BASE LINE 799 M
352.019	648.0102	648.0276	.1	
CALIBRATED BASE LINE 151 M			347.270	CALIBRATED BASE LINE 1401 M
M 363.528	1250.0037	1250.1094	.2	
CALIBRATED BASE LINE 799 M			352.019	CALIBRATED BASE LINE 1401 M
M 363.528	601.9931	602.1031	.1	

A TAPE CALIBRATION MONUMENT WAS SET AT THE 100 FOOT POINT OF THE BASE LINE. THE REDUCED MARK TO MARK DISTANCE IS 100.03 FT.

DESCRIPTION OF RAVENNA BASE LINE
 YEAR MEASURED: 1976
 YEAR REMEASURED: 2006
 CHIEF OF PARTY: LPB

THE BASE LINE IS LOCATED ABOUT 22.5 KM (14.0 MI) NORTHEAST OF AKRON, AND ABOUT 5.6 KM (3.5 MI) NORTH OF RAVENNA. IT LIES ALONG THE NORTH SIDE OF AND APPROXIMATELY PARALLEL TO LAKE ROCKWELL ROAD.

TO REACH THE 0-METER POINT FROM THE INTERSECTION OF STATE HIGHWAYS 14 AND 44 ON THE NORTH SIDE OF RAVENNA, GO NORTH ON HIGHWAY 44 FOR 2.5 KM (1.55 MI) TO THE INTERSECTION OF LAKE ROCKWELL ROAD. TURN RIGHT AND GO EAST ON LAKE ROCKWELL ROAD FOR 0.5 KM (0.3 MI) TO THE 1401-METER POINT ON THE LEFT. CONTINUE EAST ON LAKE ROCKWELL ROAD FOR 1.4 KM (0.9 MI) TO THE 0-METER POINT ON THE LEFT.

THE BASE LINE IS AN EAST-WEST LINE WITH THE 0-METER POINT ON THE EAST END. IT CONSISTS OF THE 0, 151, 799, AND 1401-METER POINTS WITH A 100-FOOT TAPE CALIBRATION STATION SET ON LINE WITH AND EAST OF THE 0-METER POINT.

THE 0-METER POINT IS A PORTAGE COUNTY SURVEY MARK DISK STAMPED "CALIBRATED BASE LINE 0 M" SET IN THE TOP OF A 48 CM (19 IN) DIAMETER CONCRETE POST FLUSH WITH THE SURFACE OF THE GROUND. IT IS 30.48 M (100.0 FT) WEST OF THE 100-FOOT POINT, 14.9 M (48.9 FT) NORTH OF POWER POLE #138 27, 5.4 M (17.7 FT) NORTH OF THE NORTH EDGE OF LAKE ROCKWELL ROAD, AND 1.0 M (3.3 FT) SOUTHWEST OF A METAL WITNESS POST.

THE 151-METER POINT IS A PORTAGE COUNTY SURVEY MARK DISK STAMPED "CALIBRATED BASE LINE 151 M" SET IN THE TOP OF A 43 CM (17 IN) DIAMETER CONCRETE POST FLUSH WITH THE SURFACE OF THE GROUND. IT IS 14.9 M (48.9 FT) NORTH OF POWER POLE #138 25, 4.3 M (14.1 FT) NORTH OF THE NORTH EDGE OF LAKE ROCKWELL ROAD, 1.0 M (3.3 FT) SOUTHWEST OF A METAL WITNESS POST, AND BETWEEN AND ACROSS THE ROAD FROM THE RESIDENCES AT 4700 AND 4730 LAKE ROCKWELL ROAD.

THE 799-METER POINT IS A PORTAGE COUNTY SURVEY MARK DISK STAMPED "CALIBRATED BASE LINE 799 M" SET IN THE TOP OF A 46 CM (18 IN) DIAMETER CONCRETE POST PROJECTING 20 CM (8 IN) ABOVE THE SURFACE OF THE GROUND. IT IS 4.7 M (15.4 FT) NORTH OF THE NORTH EDGE OF LAKE ROCKWELL ROAD, 2.1 M (6.9 FT) WEST OF A BARBED WIRE FENCE, 1.5 M (4.9 FT) SOUTH OF A BARBED WIRE FENCE, 1.3 M (4.3 FT) EAST OF A BARBED WIRE FENCE, AND 1.2 M (3.9 FT) NORTHEAST OF A WOODEN WITNESS POST.

THE 1401-METER POINT IS A PORTAGE COUNTY SURVEY MARK DISK STAMPED "CALIBRATED BASE LINE 1401 M" SET IN THE TOP OF A 38 CM (15 IN) DIAMETER CONCRETE POST FLUSH WITH THE SURFACE OF THE GROUND. IT IS 32.8 M (107.6 FT) WEST OF POWER POLE #55AU/4-11, 16.6 M (54.5 FT) NORTHWEST OF A POWER LINE POLE #78259, 6.1 M (20.0 FT) NORTH OF THE NORTH EDGE OF LAKE ROCKWELL ROAD, 4.2 M (13.8 FT) NORTH OF A FENCE, AND 4.2 M (13.8 FT) NORTH OF A WOODEN WITNESS POST.

POSITIONS OF CBL POINTS FOR LOCATION BY HANDHELD GPS. THESE ARE LOW ACCURACY POSITIONS ESTABLISHED FOR FINDING THE POINTS ONLY.

MARK	LATITUDE	LONGITUDE
0	N41 12 07.6	W081 13 22.3
151	N41 12 07.6	W081 13 28.8
799	N41 12 07.7	W081 13 56.5
1401	N41 12 07.8	W081 14 22.5

THE 100-FOOT TAPE CALIBRATION STATION IS A PORTAGE COUNTY SURVEY MARK DISK STAMPED "CALIBRATED BASE LINE 100 FT" SET IN THE TOP OF A 41 CM (16 IN) DIAMETER CONCRETE POST FLUSH WITH THE SURFACE OF THE GROUND. IT IS 30.5 M (100.0 FT) EAST OF THE 0-METER POINT, 5.5 M (18.0 FT) NORTH OF THE NORTH EDGE OF LAKE ROCKWELL ROAD, AND 0.8 M (2.6 FT) SOUTH OF A METAL WITNESS POST. THE 100-FOOT STATION WAS MEASURED BY EDM1 METHOD AND FOUND TO BE 30.49 M (100.03 FT) MARK-TO-MARK DISTANCE.

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

THIS BASE LINE WAS ESTABLISHED IN CONJUNCTION WITH THE PORTAGE COUNTY SURVEYORS. FOR MORE INFORMATION CONTACT THE

PORTAGE COUNTY ENGINEERS OFFICE, 643 CLEVELAND ROAD, P.O. BOX 470,
RAVENNA, OHIO 44266, TELEPHONE 330-296-6411.