

THE LOCATION OF THE COASTAL CONSTRUCTION CONTROL LINE IN PALM BEACH COUNTY WAS DETERMINED BY SURVEYS USING THE FOLLOWING NATIONAL GEODETIC SURVEY (N.G.S.) STATIONS AND STATE PLANE COORDINATES AS HORIZONTAL CONTROL WITH REFERENCE MADE TO THE N.G.S. COMPUTATION SOURCE NUMBER.

NORTH AMERICAN 1983 DATUM  
ADJUSTMENT OF 1990  
FLORIDA MERCATOR EAST ZONE

STATION	Y	X	SOURCE
FLGPS 67 1989	923419.377	902150.102	GPS-174
BREAKERS 1929	866507.424	971776.721	GTZ 174 78
BEACHPORT 1989	821789.288	954219.184	GPS-174
CONVICT NO 3 1934	806364.624	915944.448	GPS-174
ROCK 3 1970	751288.465	962182.741	GTZ 174 78
BOCAPORT 1989	744660.158	948969.250	GPS-174

THE PALM BEACH COUNTY COASTAL CONSTRUCTION CONTROL LINE LEGAL DESCRIPTION REFERS TO THE FOLLOWING PERMANENT REFERENCE MONUMENTS (P.R.M.)

STATION	Y	X
MART C0 124 1984	959556.841	955272.925
06 78 JLH-B 1978	951117.497	954247.590
S305 1970	949782.618	958736.623
93 89 A03-A 1991	945240.560	959832.352
HYDRO 21 PM BH 1990	941774.580	960596.471
06 78 B03-2 1989	939248.479	961118.888
06 78 C01 1978	936706.880	961886.536
PANOS 1970	936635.862	960054.140
93 89 A05	932739.916	962207.124
06 78 C02-2 1989	932555.907	963198.755
NOS N03 1973	927443.854	959574.741
06 78 C03-A 1991	927214.783	964604.505
93 89 A06-A 1991	924492.613	965027.099
93 89 A06-B 1991	922308.362	965722.366
93 89 A07	921643.859	966526.712
06 78 C05-2 1989	918721.089	967260.618
06 78 C06 1978	912523.142	968335.035
93 89 A08	888273.650	971254.865
93 89 A08-A 1991	885113.246	971135.239
06 78 D02 1978	882399.098	971004.813
T309 1970	88130.399	970340.057
06 78 D03-2 1989	888067.892	971583.349
06 78 D03-A 1991	887202.478	969676.994
06 78 D03-B 1991	885684.764	969634.160
06 78 D04 1978	884887.873	970184.730
06 78 D05-2 1991	880792.576	970600.785
06 78 D05A 1991	877923.326	970952.796
06 78 D06 1978	876364.350	971071.575
06 78 E01-A 1991	866963.381	971748.880
93 89 A11	862664.348	971809.566
06 78 E04A 1978	857442.327	971588.332
R-111 PM BH 1989	847736.917	970744.581
R-114 PM BH 1989	844589.751	970670.880
93 89 A12	842175.114	970664.302
PBC TRES VIDAS	837702.088	969991.157
06 78 E07	836679.816	970653.495
06 78 E07-A 1991	834487.964	970214.647
06 78 E08 1978	831080.756	970808.334
BRAY-A 1991	824587.009	970365.057
93 89 A14-A 1991	823080.946	970242.856
93 89 A16	820281.876	970364.591
93 89 A17-2 1991	819187.561	970241.754
HAUOVER 1929 N03 1970	805143.862	969281.441
HAUOVER-A 1991	801559.240	967890.709
HAUOVER-B 1991	800221.198	967564.695
93 89 A20	791309.523	966605.025
93 89 A20-A 1991	791301.852	966429.688
06 78 G04 1978	788180.635	966221.804
06 78 G05 1978	784566.594	965730.605
06 78 G06 1978	780574.177	965184.349
06 78 G08-B 1991	777330.509	964864.222
06 78 G08-C 1991	774871.800	964228.700
DELRAY-A	771954.696	963990.881
06 78 H01 1978	768667.426	963891.288
PM BH R-192 1974	761715.957	962893.586
93 89 A21	757103.758	962589.574
93 89 A22-3	745357.512	961571.784
93 89 A24	737655.821	960568.289
93 89 A26	729993.218	959994.251
93 89 A27	728871.174	959952.270
93 89 A28	727506.107	959869.199
86 92 DA01	721781.093	959094.447



I HEREBY CERTIFY THAT THE COASTAL CONSTRUCTION CONTROL LINE AS DESCRIBED HEREON, ESTABLISHED IN COMPLIANCE WITH SECTION 161.053, FLORIDA STATUTES IN PALM BEACH COUNTY, FLORIDA, LYING ALONG THE ATLANTIC COAST OF SAID COUNTY, WAS APPROVED BY THE HEAD OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION ON THE 15th OF AUGUST, 1997.

BY: VIRGINIA WETHERELL  
SECRETARY OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

ATTEST:  
BY: HAL BEAN  
PROGRAM ADMINISTRATOR, BEACHES AND COASTAL SYSTEMS

I HEREBY CERTIFY THE PROCEDURES USED FOR THIS CONTROL SURVEY MEETS OR EXCEEDS THE PROPOSED GEOMETRIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES, VERSION 5.0, REPRINTED AUGUST 1988, AS SET FORTH BY THE FEDERAL GEODETIC CONTROL COMMITTEE (FGCC) FOR SECOND ORDER CLASS II HORIZONTAL CONTROL.

U.S. DEPARTMENT OF COMMERCE  
NOAA NATIONAL OCEAN SERVICES,  
NATIONAL GEODETIC SURVEY

7/27/97  
CERTIFICATION DATE  
BY: RONNIE L. TAYLOR  
NATIONAL OCEAN SERVICE ADVISOR

SURVEYOR NOTES:

- 1.) REPRODUCTIONS OF THIS MAP ARE FOR INFORMATION PURPOSES ONLY UNLESS SIGNED AND EMBOSSED WITH THE SURVEYORS SEAL.
- 2.) THIS SURVEY CERTIFIES THE LOCATIONS OF THE COASTAL CONSTRUCTION CONTROL LINE IN PALM BEACH COUNTY AND THE HORIZONTAL GLOBAL POSITIONING SYSTEM MEASUREMENT DATA ONLY. ALL OTHER DATA IS PROVIDED FOR INFORMATION PURPOSES.
- 3.) G.P.S. SURVEY MEASUREMENTS COMPLETED ON JANUARY 28, 1992 USING FOUR ASHTECH L12 AND ONE ASHTECH M12 RECEIVERS.  
POST PROCESSING SOFTWARE USED: ASHTECH GPPS VERSION 4.2.01  
LEAST SQUARE GEODETIC ADJUSTMENT SOFTWARE USED: ASHTECH FILLNET VERSION 2.0.
- 4.) PROCEDURES AND NETWORK DESIGN OF G.P.S. MEASUREMENTS MEET OR EXCEED GEOMETRIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING G.P.S. RELATIVE POSITIONING TECHNIQUES AS SET FORTH BY THE FEDERAL GEODETIC CONTROL COMMITTEE (F.G.C.C.) IN THEIR MOST CURRENT PUBLICATION FOR SECOND ORDER CLASS II HORIZONTAL CONTROL SURVEYS.
- 5.) FINAL FREE ADJUSTMENT FILE NAME: PB90FR\_OUT  
FINAL FIXED ADJUSTMENT FILE NAME: PBFADJ90.OUT
- 6.) HORIZONTAL VALUES PRESENTED ON THIS SURVEY ARE REFERENCED TO THE STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (N.A.D.) 1983 (ADJUSTMENT OF 1990).
- 7.) FINAL COORDINATE LISTING DISPLAYED IN U.S. SURVEY FEET.
- 8.) GEODAL MODEL USED: GEOID 90 (NGS)
- 9.) WHEN HELD FIXED, NGS HORIZONTAL CONTROL POINTS "PANOS 1970" AND "HAUOVER 1929 N03 1970" DISTORTED THE NETWORK. THEREFORE, "PANOS 1970" AND "HAUOVER 1929 N03 1970" WERE ALLOWED TO FLOAT AND TAKE ADJUSTMENT.

CERTIFICATE:

I HEREBY CERTIFY THAT THIS CONTROL SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, ACCORDING TO A RECENT SURVEY MADE UNDER MY SUPERVISION ON THE DATES SHOWN HEREON. I FURTHER CERTIFY THAT THIS CONTROL SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH IN FLORIDA ADMINISTRATIVE CODE RULE 61G17-6, ADOPTED BY THE FLORIDA STATE BOARD OF PROFESSIONAL LAND SURVEYORS, PURSUANT TO FLORIDA STATUTES CHAPTER 472.027, SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

08/15/97  
CERTIFICATION DATE  
THOMAS M. WATTERS  
REGISTERED LAND SURVEYOR, NO. 4750  
STATE OF FLORIDA

SUBDIVISION #  
BOOK 80  
PAGE 140  
FLOOD MAP #  
FLOOD ZONE  
QUAD #  
SE  
ZIP CODE