

55.1090.610,945706.550, 7.140,R04574 90.00 DADE CO R 45 74
550787.345,945926.043, 8.138,*D023 87 91 DA17
550155.020,945841.580,10.250,R04697 105.00 R46 DA 97
549063.500,945491.620, 6.710,R04774 95.00 DADE CO R 47 74
548123.750,945672.710,10.240,R04891 95.00 DADE CO R-48 91
547140.140,945705.490, 9.350,R04997 95.00 R49 DA 97
546123.840,945760.460, 9.550,R05097 105.00 R50 DA 97
545215.080,945435.000, 6.310,R05174 105.00 DADE CO R 51 74
544030.330,945517.930, 6.400,R05274 105.00 DADE CO R 52 74
543446.865,945589.128, 5.768,*D025 87 91 DA19
542915.190,945486.130,10.400,R05391 95.00 DADE CO R-53 91
541718.850,945096.150, 6.940,R05474 105.00 DADE CO R 54 74
540562.760,945348.150, 9.770,R05591 105.00 DADE CO R-55 91
539491.030,945195.060, 9.150,R05697 105.00 R56 DA 97
538459.140,944915.030, 4.520,R05774 105.00 DADE CO R 57 74
537990.589,945019.370, 7.549,*D028* 87 91 DA21
537465.400,944803.580, 4.220,R05874 110.00 DADE CO R 58 74
536480.520,944637.400, 5.600,R05974 110.00 DADE CO R 59 74
536158.236,944694.011, 7.714,*D030 87-91-DA-23
535623.760,944332.840, 6.710,R06074 110.00 DADE CO R 60 74
534670.390,944168.100,10.160,R06191 110.00 DADE CO R-61 91
533813.450,943889.300, 8.900,R06291 110.00 DADE CO R-62 91
532917.870,943430.240, 5.880,R06374 110.00 DADE CO R 63 74
532361.407,943482.380, 7.956,*D764 D764
532116.650,943354.300, 9.950,R06497 110.00 R64 DA 97
531158.710,942917.930, 5.470,R06574 90.00 DADE CO R 65 74
529990.870,942988.080, 8.340,R06697 90.00 R66 DA 97
529030.670,942758.210, 6.200,R06791 110.00 DADE CO R 67 91
528016.110,942618.970, 6.550,R06891 110.00 DADE CO R-68 91
526948.010,942493.170, 7.330,R06991 110.00 DADE CO R-69 91
526510.721,924281.674, 4.101,*D087* MH 16 (3165)
525810.090,942156.010, 7.460,R07091 110.00 DADE CO R-70 91
524700.850,942268.690,11.630,R07191 100.00 DADE CO R-71 91
523703.790,942074.140, 8.640,R07297 105.00 R72 DA 97
522614.000,942050.170,10.970,R07391 100.00 DADE CO R-73 91
521610.720,941726.640, 8.300,R07474 100.00 DADE CO R 74 74
521029.740,942080.752, 7.247,*D086* 31 78 VIALINKINK
520210.760,941117.290, 4.140,R07574 130.00 DADE CO R 75 74
519495.680,940495.390, 6.050,T07678 120.00 T-76 DADE CO 78
518551.340,940065.920, 5.320,R07774 120.00 DADE CO R 77 74
518145.950,939399.670, 5.130,R07874 130.00 DADE CO R 78 74
515591.710,938317.190, 4.100,R07991 90.00 R-79 DADE CO 91
514578.110,938282.130, 4.620,R08091 95.00 R-80 DADE CO 91
514195.295,938321.359, 1.614,*D036 87 91 DA28
513724.810,937879.440, 4.930,R08191 120.00 R-81 DADE CO 91
513081.540,937758.640, 5.400,R08291 120.00 R-82 DADE CO 91
512099.080,936946.160, 6.240,R08391 120.00 R-83 DADE CO 91
511489.160,936164.270, 3.510,R08491 120.00 R-84 DADE CO 91
511160.470,935180.870, 4.150,R08591 135.00 R-85 DADE CO 91
510699.950,934302.460, 1.800,T08678 155.00 T-86 DADE CO 78
510020.590,933414.900, 3.800,T08778 155.00 T-87 DADE CO 78
509567.654,932162.327, 6.873,*D040 87 91 DA31 AZ MK
509553.214,932113.849, 7.362,*D088 BRUCE
509451.003,932112.045, 7.185,*D084* 3214 H
509358.750,932396.810, 3.530,R08874 135.00 DADE CO R 88 74
508022.370,935019.110, 3.090,R09091 0.00 R-90 DADE CO 91
507770.233,934011.626, 7.572,*D039 87-91-DA-31
507761.690,934044.790, 3.380,R08974 5.00 DADE CO R 89 74

US DEPARTMENT OF COMMERCE - NOAA
NOS - NATIONAL GEODETIC SURVEY
ROCKVILLE MD 20852 - JUL 1980

HORIZONTAL CONTROL DATA
NORTH AMERICAN DATUM 1927
PROJECT ACCESSION NUMBER 14831

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CONTROL DIAGRAM NG 17-8
FL-DADE COUNTY

HORIZONTAL CONTROL STATION: CAPE FLORIDA LIGHTHOUSE OLD TOWER

GEODETIC POSITION DATA-----

DEG MIN SECONDS
LATITUDE: 25 39 58.35582N
LONGITUDE: 80 09 22.30462W
AZIMUTH 1: 187 30 24.5 FROM SOUTH

ELEVATION: 30.4 METERS
99.7 FEET
GEOID HEIGHT: 10.0 METERS

STATION INFORMATION-----

TYPE: 1ST-ORDER TRIANGULATION
OBSERVATIONS BY US COAST AND GEODETIC SURVEY (NOW NOS) IN 1907
ADJUSTED BY NATIONAL GEODETIC SURVEY IN 1979
AZIMUTH REFERENCE OBJECT 1: MIAMI BEACH TANK 1918

ELEVATION DETERMINED BY TRIGONOMETRIC LEVELING

STATE PLANE AND UNIVERSAL TRANSVERSE MERCATOR COORDINATE SYSTEMS-----

GRID	ZONE	X FEET	Y FEET	X/EASTING METERS	Y/NORTHING METERS	POINT SCALE FACTOR	CONVERGENCE DEG MIN SEC	GRID AZIMUTH 1 DEG MIN SEC	GRID AZIMUTH 2 DEG MIN SEC
FL-TM	E	777937.48	485240.69	237115.818	147901.659	1.00002976	+0 21 55.8	187 08 28.7*	
UTM	17			584686.616	2838828.619	0.99968856	+0 21 55.8	7 08 28.7*	
UTM	18			-17918.534	2848670.431	1.00291398	-2 14 17.8	9 44 42.3*	

23/90 934,174.471 485,400.467

*CAUTION - ARC-TO-CHORD CORRECTION ASSUMED ZERO

STATION DESCRIPTION-----

YEAR DESCRIBED: 1883 CHIEF OF PARTY: OHT

CODE-- MARK----- TYPE OF MARK----- SETTING/LANDMARK TYPE----- MAGNETIC PROPERTY
L55 SURFACE LANDMARK TOWER

NO DESCRIPTIVE TEXT.

RECOVERY-----

RECOVERY BY: US COAST AND GEODETIC SURVEY (NOW NOS) IN 1907
CHIEF OF PARTY:

CONDITION: GOOD

CODE-- MARK----- TYPE OF MARK----- SETTING/LANDMARK TYPE----- MAGNETIC PROPERTY
L55 SURFACE LANDMARK TOWER

STATION IS THE CENTER OF THE LANTERN ON THE OLD LIGHTHOUSE ON THE S END OF KEY BISCAYNE, KNOWN AS CAPE FLORIDA. THIS STRUCTURE HAS BEEN ABANDONED AS A LIGHT, AND THE LAND ON WHICH IT STANDS IS NOW THE PROPERTY OF W.S. DAVIS.

RECOVERY-----

RECOVERY BY: US COAST AND GEODETIC SURVEY (NOW NOS) IN 1918
CHIEF OF PARTY: HL

CONDITION: GOOD

CODE-- MARK----- TYPE OF MARK----- SETTING/LANDMARK TYPE----- MAGNETIC PROPERTY
L55 SURFACE LANDMARK TOWER

SEA WAS WASHING AROUND BASE AND UNDERMINING TOWER. TOWER IS BEING UNDERPINNED BY STEEL GIRDERS AND WILL PROBABLY STAND FOR SOME TIME. LANTERN IS NOT IN PLACE BUT INSTRUMENT CAN RE SET UP ON LANTERN BASE WHICH IS IN THE CENTER OF THE TOWER.

(CONTINUED ON NEXT PAGE)

US DEPARTMENT OF COMMERCE - NOAA
 NOS - NATIONAL GEODETIC SURVEY
 ROCKVILLE MD 20852 - JUL 1980

HORIZONTAL CONTROL DATA
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HORIZONTAL CONTROL STATION NAME: CAPE FLORIDA LIGHTHOUSE OLD TOWER - CONTINUED

THE TOP OF THE OLD LIGHT HOUSE HAS BEEN REMOVED AND REPLACED BY A NEW ONE (THE TOWER IS A ROUND BRICK STRUCTURE WITH A BLACK CAB ON TOP, IT IS APPROXIMATELY 100 FEET HIGH). A GEODIMETER TRAVERSE TIE WAS MADE FROM TRIANGULATION STATION CAPE TO THE CENTER OF THE METAL PLATFORM WHERE THE LIGHT HAS BEEN MOUNTED IN TOP OF THE TOWER. THE DISTANCE BEING 119.649 METERS.

THE STATION IS LOCATED ON THE SOUTH END OF KEY BISCAIYNE, IN THE CAPE FLORIDA STATE PARK.

RECOVERY-----
 RECOVERY BY: NATIONAL GEODETIC SURVEY IN 1975
 CHIEF OF PARTY: RRW
 CONDITION: GOOD

CODE--	MARK-----	TYPE OF MARK-----	SETTING/LANDMARK TYPE-----	MAGNETIC PROPERTY
L55	SURFACE	LANDMARK	TOWER	

STATION RECOVERED AS DESCRIBED.