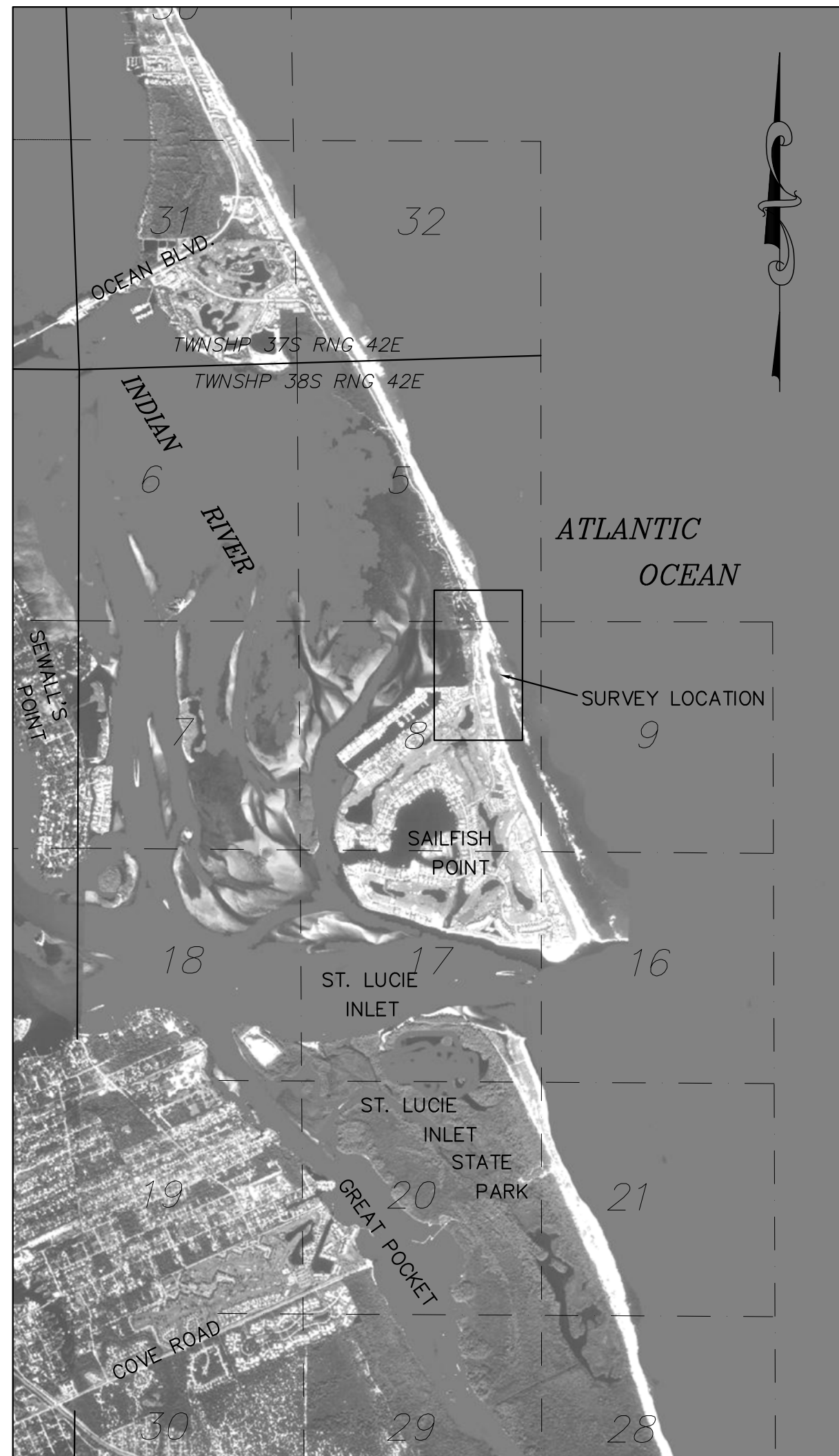


MEAN HIGH WATER LINE SURVEY AND PROPOSED BATHTUB BEACH EROSION CONTROL LINE BETWEEN FDEP RANGE LOCATIONS R-34 AND R-36 MARTIN COUNTY, FLORIDA

LENGTH: 0.24 MILES ±

SECTION 8, TOWNSHIP 38 SOUTH, RANGE 42 EAST

DECEMBER 9, 2008



LOCATION MAP
1" = 3,000 FEET



MEAN HIGH WATER LINE COORDINATE & ELEVATION VALUES

NAD 83/90 SPCS 0903 US SURVEY FEET POINT	NORTHING	EASTING	MHWL ELEV NAVD 88
101	1038581.14	929189.15	0.50
102	1038545.12	929170.95	0.50
103	1038500.87	929155.40	0.50
104	1038478.33	929139.89	0.50
105	1038470.18	929125.13	0.50
106	1038455.80	929116.00	0.50
124	1038405.87	929101.87	---
107	1038387.81	929091.61	0.50
108	1038373.79	929079.85	0.50
109	1038326.62	929076.01	0.50
110	1038278.80	929081.51	0.50
111	1038213.04	929085.58	0.50
112	1038129.98	929089.27	0.50
113	1038040.06	929095.60	0.50
114	1037967.47	929106.47	0.50
115	1037907.89	929118.85	0.50
116	1037796.99	929147.03	0.50
117	1037763.88	929152.75	0.50
118	1037677.63	929169.59	0.50
119	1037607.41	929178.21	0.50
120	1037543.59	929187.28	0.50
121	1037499.17	929194.43	0.50
122	1037443.31	929211.07	0.50
123	1037382.85	929232.92	0.50

NOTES

- BEARINGS AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM OF 1983. NOS ADJUSTMENT OF 1980 (NA03/90), ARE IN US SURVEY FEET, AND ARE BASED ON MONUMENTATION AS SHOWN IN THE CONTROL TABLE.
- ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), ARE IN FEET, AND ARE BASED ON MONUMENTATION AS SHOWN IN THE CONTROL TABLE.
- MEAN HIGH WATER ELEVATION OF 0.50 FEET NAVD 88 IS BASED ON POINT ID 100878 OBTAINED FROM THE LAND BOUNDARY INFORMATION SYSTEM INTERNET WEB SITE (WWW.LABINS.ORG), AS SHOWN ON THE FDEP MEAN HIGH WATER PROCEDURE APPROVAL FORM DATED DECEMBER 8, 2008.
- THE INFORMATION PRESENTED ON THESE DRAWINGS REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY MORGAN & EKLUND, INC. ON DECEMBER 9, 2008 AND CAN ONLY BE CONSIDERED AS REPRESENTING THE CONDITIONS AT THE TIME OF THE SURVEY.
- THE MEAN HIGH WATER LINE AS DEPICTED HEREON SHALL ALSO BE KNOWN AS THE EROSION CONTROL LINE.
- THE DATE OF AERIAL PHOTOGRAPHY OF MARTIN COUNTY IS 2007 AND WAS PROVIDED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION.
- THE LOCATION OF LOT LINES AND SECTION LINES IS APPROXIMATE AND BASED ON INFORMATION PROVIDED BY THE MARTIN COUNTY GIS DEPARTMENT.
- THE MEAN HIGH WATER SURVEY DEPICTED HEREON COMPLIES WITH CHAPTER 177, PART II, FLORIDA STATUTES AND IS RECORDED IN THE PUBLIC REPOSITORY OF THE FLORIDA D.E.P. BUREAU OF SURVEY AND MAPPING AS MEAN HIGH WATER FILE NO. XXXX.
- THE MEAN HIGH WATER LINE WAS LOCATED HORIZONTALLY AND VERTICALLY USING A TRIMBLE R-8 DUAL FREQUENCY REAL-TIME KINEMATIC GPS SYSTEM WITH A RESULTANT ACCURACY OF ± 0.16 FEET.

LEGAL DESCRIPTION

COMMENCING AT THE U.S. COAST & GEODETIC SURVEY CONCRETE MONUMENT STAMPED "REFUGE 2 1967", HAVING COORDINATES OF NORTHING 1,042,827.80 FEET AND EASTING 927,286.18 FEET AS REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT (NAD 83/90). PROCEED ALONG A BEARING OF S24°32'46"E, A DISTANCE OF 4,311.82 FEET TO A FLORIDA DEPARTMENT OF NATURAL RESOURCES CONCRETE MONUMENT "MARTIN CO. R-34 75" HAVING COORDINATES OF NORTHING 1,038,905.64 FEET AND EASTING 929,077.40 FEET NAD 83/90, THENCE, PROCEED ALONG A BEARING OF S19°00'10"E A DISTANCE OF 343.21 FEET TO A POINT ON THE MEAN HIGH WATER LINE OF THE ATLANTIC OCEAN (ELEVATION 0.50 FEET NAVD 88), SAID POINT BEING THE POINT OF BEGINNING OF THE FOLLOWING DESCRIBED MEAN HIGH WATER LINE, AND HAVING COORDINATES OF NORTHING 1,038,581.14 FEET AND EASTING 929,189.15 FEET NAD 83/90, THENCE S28°48'44"W ALONG THE MEAN HIGH WATER LINE, A DISTANCE OF 40.36 FEET TO A POINT, THENCE S19°21'44"W A DISTANCE OF 46.90 FEET TO A POINT, THENCE S34°31'56"W A DISTANCE OF 27.36 FEET TO A POINT, THENCE S61°05'38"W A DISTANCE OF 16.86 FEET TO A POINT, THENCE S32°24'43"W A DISTANCE OF 17.03 FEET TO A POINT, THENCE, LEAVING SAID MEAN HIGH WATER LINE S15°48'05"W A DISTANCE OF 51.89 FEET TO A POINT DIRECTLY BELOW THE SOUTHEAST CORNER OF THE SECOND STORY CONCRETE DECK OF THE 3 STORY RESIDENCE LOCATED AT 1375 SE MACARTHUR BOULEVARD; THENCE S29°36'04"W A DISTANCE OF 20.77 FEET TO A POINT ON THE MEAN HIGH WATER LINE OF THE ATLANTIC OCEAN, THENCE S39°59'24"W ALONG THE MEAN HIGH WATER LINE A DISTANCE OF 18.30 FEET TO A POINT, THENCE S04°39'15"W A DISTANCE OF 47.33 FEET TO A POINT, THENCE S08°42'00"E A DISTANCE OF 47.14 FEET TO A POINT, THENCE S03°29'19"E A DISTANCE OF 66.88 FEET TO A POINT, THENCE S02°32'37"E A DISTANCE OF 83.14 FEET TO A POINT, THENCE S04°01'36"E A DISTANCE OF 90.14 FEET TO A POINT, THENCE S08°30'59"E A DISTANCE OF 73.40 FEET TO A POINT, THENCE S11°44'18"E A DISTANCE OF 60.85 FEET TO A POINT, THENCE S14°30'29"E A DISTANCE OF 112.49 FEET TO A POINT, THENCE S09°15'11"E A DISTANCE OF 35.57 FEET TO A POINT, THENCE S11°02'52"E A DISTANCE OF 87.88 FEET TO A POINT, THENCE S06°59'54"E A DISTANCE OF 70.75 FEET TO A POINT, THENCE S08°05'19"E A DISTANCE OF 64.46 FEET TO A POINT, THENCE S09°08'39"E A DISTANCE OF 44.99 FEET TO A POINT, THENCE S16°35'17"E A DISTANCE OF 58.29 FEET TO A POINT, THENCE S19°22'07"E A DISTANCE OF 64.09 FEET TO THE POINT OF TERMINATION, HAVING COORDINATES OF NORTHING 1,037,382.85 FEET AND EASTING 929,232.32 FEET NAD 83/90, SAID POINT BEING 1,130.54 FEET DISTANT FROM A FLORIDA DEPARTMENT OF NATURAL RESOURCES CONCRETE MONUMENT "R-37 MART 1994" (HAVING COORDINATES OF NORTHING 1,036,272.94 AND EASTING 929,486.05 FEET NAD 83/90) ALONG A BEARING OF S12°52'38"E.

CONTROL TABLE

STATION	NAD 83/90 SPCS 901 US SURVEY FEET		NAVD 88		DESCRIPTION
	NORTHING	EASTING	ELEVATION	STAMPING	
R-29	1043010.87	927187.46	8.68	R-29 MART 1994	DNR CM
R-37	1036272.94	929486.05	12.35	R-37 MART 1994	DNR CM
REFUGE 2	1042827.80	927286.18	7.70	REFUGE 2 1934 1967	CGS CM

LEGEND

- FDEP FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
- USACE U.S. ARMY CORPS OF ENGINEERS
- DNR FLORIDA DEPARTMENT OF NATURAL RESOURCES
- M&E MORGAN & EKLUND, INC.
- CM CONCRETE MONUMENT
- 101 MHWL LOCATION POINT NUMBER
- CONTROL MONUMENT
- MHWL P.I.
- PROPERTY BOUNDARY LINES
- SECTION LINE
- MEAN HIGH WATER LINE
- LANDWARD LIMITS OF FILL
- SEAWARD LIMITS OF FILL
- POST CONSTRUCTION MEAN HIGH WATER LINE

APPROVALS

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

KNOW ALL PERSONS BY THESE PRESENTS: THAT THE CHIEF OF THE BUREAU OF SURVEY AND MAPPING OF THE DIVISION OF STATE LANDS, DEPARTMENT OF ENVIRONMENTAL PROTECTION OF THE STATE OF FLORIDA HEREBY APPROVES THIS PLAT.

DATED AT _____ THIS ____ DAY OF _____, 2009.

TERRY E. WILKINSON, CHIEF
BUREAU OF SURVEY & MAPPING

CERTIFICATE OF ACCEPTANCE AND RECORDING OF COUNTY CLERK

ACCEPTED FOR FILES AND RECORDING IN THE PUBLIC RECORDS OF MARTIN COUNTY, FLORIDA, THIS ____ DAY OF _____, 2009, IN PLAT BOOK _____, PAGES _____, PURSUANT TO THE PROVISIONS OF CHAPTER 161.181 FLORIDA STATUTES.

CLERK OF THE COURT

CERTIFICATE OF APPROVAL

THIS EROSION CONTROL PLAT WAS APPROVED BY THE BOARD OF COUNTY COMMISSIONERS OF MARTIN COUNTY, FLORIDA AT ITS MEETING ON _____, 2009, PURSUANT TO THE PROVISIONS OF CHAPTER 161.161, FLORIDA STATUTES.

CHAIRMAN
MARTIN COUNTY COMMISSION

CLERK:

BY:

<p>MORGAN & EKLUND, INC. PROFESSIONAL SURVEY CONSULTANTS</p> <p>8745 US HIGHWAY #1 WABASSO, FL 32970 PHONE: (772) 388-5364 FAX: (772) 388-3165</p> <p>1500 S.E. 3RD COURT SUITE 110 DEERFIELD BEACH, FL 33441 PHONE: (954) 421-6882 FAX: (954) 421-0451</p> <p>LB #4298</p>	<p>DATE OF SURVEY 12/9/08</p> <p>FIELD BOOK MART 98</p> <p>PAGE NO. 20-22</p>	<p>COMMISSION NO. 5234.571</p> <p>SCALE N/A</p> <p>DATE 3/2/09</p> <p>SHEET 1 OF 2</p>
	<p>JOHN R. MORGAN II, PSM FLORIDA REGISTERED SURVEYOR AND MAPPER CERT. NO. 3520</p> <p>DATE: _____</p>	<p>DRAWN BY CAG</p> <p>CHECKED BY JRM</p>