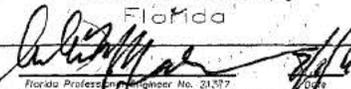


## City of Gulfport Proposed Mooring Field Site Location Map

REVISIONS	BY	DATE	STAMP & NO.	PC
to 50 Slips	AMN	11/19/2009		
			CALC.	
			DESIGN	AMN
			DRAWN	AMN
			APPROVED	AMN

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 EB 5284  
  
 Challenger Enterprises Inc.  
 MAIL: P O Box 285,  
 Safety Harbor, Florida 34655-0285  
 OFFICE: 3600 Mosberg Drive  
 New Port Richey, Florida 34855  
 Phone & Fax (727) 236-3642

CLIENT  
 City of Gulfport,  
 Pinellas County  
 Florida  
  
 Florida Professional Engineer No. 21,777

PROJECT NAME  
 Revised Mooring Field  
 Boca Ciega Bay  
 City of Gulfport, Florida

PLAN  
 Location Map

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 DATE 5/26/2011  
 FILE NAME 02-VICINITY MAP.dwg  
 PROJECT NO.  
 SHEET 2 of 9

# LEGAL DESCRIPTION

## Proposed Mooring Field Submerged Lands Lease Area

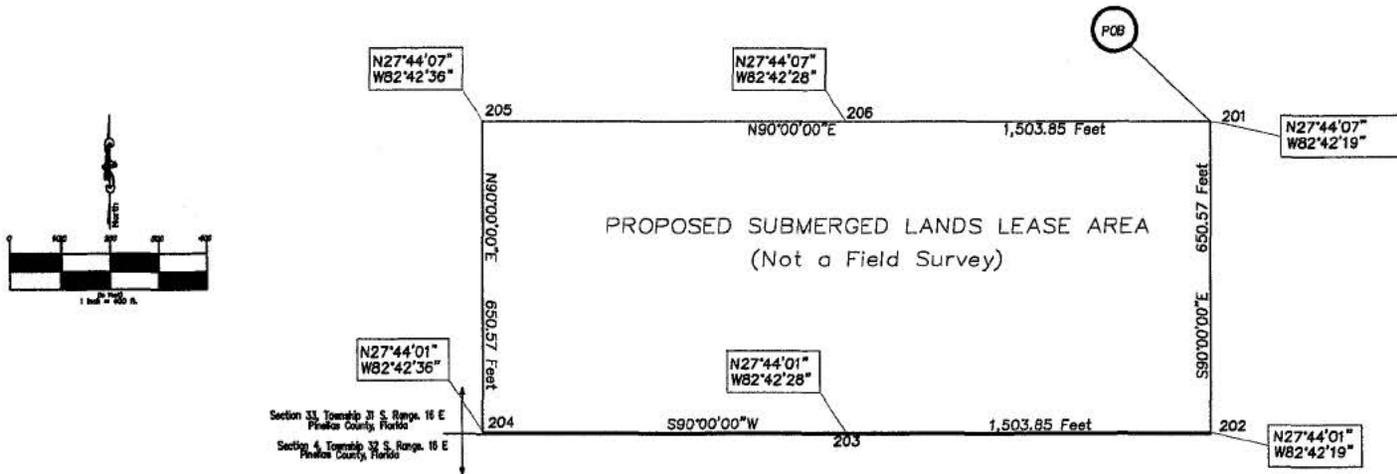
Said Area lies in Section 33, Township 31 South, Range 16 East.

COMMENCE at National Geodetic Monument PCDSM GPS 33, N1238099.04, E428742.45, thence run S 38°10'15"W, 1,106.95 feet for a POB.

Thence run, S00°00'00"E, 650.57', thence run S00°00'00"W, 1,503.85 feet, thence run, N00°00'00"E, 650.57 feet, thence run, N90°00'00"E, 1,503.85', to the POB.

Containing 978,359.69 Square Feet, 22.4600 Acres (M.O.L.)

Second upland monument tie: The tie call from NGS Monument PCDSM GPS 34, N1,238,449.48, E272,901.91 to the Parcel POB is as follows: S 37°46'33" W, 1,751.09 Feet (mol)



I hereby certify that the survey represented hereon meets the minimum technical standards set forth by the Florida Board of Professional Land Surveyors in Chapter 61G17-6, Florida Administrative Code, Pursuant to Chapter 472.027, Florida Statutes. Not valid unless signed and embossed with seal.

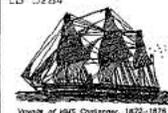
**NOTE: All work is in State Plane Coordinates, NAD 27, to be consistent with Pinellas County Property Appraiser Mapping.**

Surveyor of Record: Andrew M. Nicholson, PE-PLS.

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REVISIONS	BY	DATE	SURVEY BK.	PG.	CLIENT	PROJECT NAME	PLAN	DATE
to 50 Slips	AMN	11/16/2009			City of Gulfport Pinellas County Florida	Revised Mooring Field Boca Ciega Bay City of Gulfport, Florida	Legal Description	6/26/2011
			CALC.	AMN 6/4/08				
			DESIGN	AMN 6/4/08				
			DRAWN	AMN 6/4/08				
			APPROVED	AMN 6/4/08				

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New Port Richey, Florida 34655  
Phone & Fax (727) 236-3642



Surveyor of Record: Andrew M. Nicholson, PE-PLS.

*Andrew M. Nicholson*  
Date: 7/1/11

Florida Surveyor's Registration No. 3483

FILE NAME: 03-Legals.dwg  
PROJECT NO.  
SHEET: 3 of 9

## Specific Purpose Instrument

This Legal Description was prepared specifically to describe a parcel of sovereign submerged lands for which the City of Gulfport, Florida seeks to obtain Leasehold interests from the State of Florida to operate a vessel mooring field thereon.

These areas do not presently exist under any deed or other conveyance. These parcels are completely sovereign submerged lands. The corners cannot be occupied by conventional surveying practices. The parcels do not abut privately owned lands. All lands are at sufficient depths to lie beyond the riparian areas of privately owned uplands. At least 100 feet of navigation channel has been provided between these proposed lease area parcels and nearby privately owned shorelines. Therefore, no monuments have been set.

### SURVEYOR'S NOTES

- 1.) ALL CORNERS FOUND HAVE NO NUMBER DESIGNATING PREVIOUS SURVEYOR OR COMPANY EXCEPT AS SHOWN.
- 2.) ALL BEARINGS AND DISTANCES ARE PER STATE PLANE COORDINATE SYSTEM, FLORIDA WEST ZONE, NAD 27 TO BE CONSISTENT WITH THE PINELLAS COUNTY PROPERTY APPRAISER'S MAPPING SYSTEM
- 3.) NO UNDERGROUND ENCROACHMENTS, FOUNDATIONS OR UTILITIES HAVE BEEN LOCATED OR SHOWN UNLESS OTHERWISE NOTED.
- 4.) NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY AND/OR OWNERSHIP WERE FURNISHED THIS SURVEYOR EXCEPT AS SHOWN HEREON.
- 5.) ELEVATION DATUM: NAVD 88 BENCHMARK: 872-6486 E FLDNR, EL 12.62 FT BASIS OF BEARINGS: STATE PLANE COORDINATES NAD 27.
- 7.) UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THIS SURVEY DRAWING IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.
- 8.) THE REFERENCE MONUMENTS PCSDM GPS33 AND PCSDM GPS34 LIE OUTSIDE THE BORDERS OF THIS DRAWING.
- 9.) ALL PROPOSED LEASE AREAS LIE WITHIN SECTION 33, TOWNSHIP 31 SOUTH, RANGE 16 EAST. NO CERTIFIED SECTION CORNER CERTIFICATES ARE ON FILE. LOCAL INFORMATION OBTAINED ON SECTION CORNERS OR SECTION LINES LYING WITHIN THE PROPOSED LEASE AREAS ARE FROM PINELLAS COUNTY GIS.
- 10.) AS THIS WORK HAS NO IMPACT ON VICINITY PROPERTIES, THIS SURVEYOR IS OF THE OPINION NO PRIVATE PROPERTY RIGHTS HAVE BEEN ADVERSELY AFFECTED BY RELIANCE ON GPS VERIFIED STATE PLANE COORDINATES.

I hereby certify that the legal description represented hereon meets the minimum technical standards set forth by the Florida Board of Professional Land Surveyors in Chapter 61G17-6, Florida Administrative Code, Pursuant to Section 472.027, Florida Statutes. Not valid unless signed and embossed with seal.

Surveyor of Record: Andrew M. Nicholson, P.E., P.L.S.

## BASIS OF BEARINGS

THE GRID BEARINGS AND COORDINATES SHOWN HEREON REFER TO THE STATE PLANE COORDINATE SYSTEM (NAD 27) OF THE WEST ZONE OF FLORIDA. THIS COORDINATE SYSTEM WAS USED TO BE CONSISTENT WITH THE PINELLAS COUNTY PROPERTY APPRAISER'S MAPPING SYSTEM.

1. THIS IS NOT A BOUNDARY SURVEY.
2. The elevations shown are based on Florida Department of Natural Resources Tidal Benchmark stamped "872-6486 E FLDNR" elevation 12.62 feet, North American Vertical Datum of 1988. This benchmark is located on the Southwest corner of 54 Street and 27th Avenue South, Gulfport, Florida.
3. The hydrographic survey was performed using a Specialty Devices, Inc. Model No. BSS-MSU-IDS sounder operating with a 200 kHz transducer.
4. Horizontal control was established using a Real Time Kinematic (RTK) differential global positioning system (DGPS), utilizing Pinellas County survey Department GPS Survey Marks stamped "PCSDM GPS33" and "PCSDM GPS 34". All locations were determined in Florida West Zone state plane coordinates, North American Datum of 1983/1990 adjustment.

## IMPROVEMENTS

NO IMPROVEMENTS ARE LOCATED WITHIN THE PROPOSED FIELDS.

SEE CHALLENGER ENTERPRISES, INC. ENGINEERING DRAWINGS DATED MAY, 2011 FOR PROPOSED MOORING BUOYS AND ANCHORS ALONG WITH REGULATORY MARKER BUOYS AND ANCHORS FOR THE PROPOSED FIELD.

THERE IS NO SHORELINE, THEREFORE NO MHWL OR MLWL WITHIN 650 LINEAL FEET OF THE PROJECT AREA. 2000 LINEAL FEET OF SHORELINE ADJACENT TO THE UPLAND PROPERTY IS SANDY BEACH WITH APPROXIMATELY 20% A CONCRETE SEAWALL AROUND THE CITY OF GULFPORT CASINO RECREATION FACILITY..

## LEGEND:

LB = Licensed Business	PB = Plat Book
BM = Benchmark	PG = Page
± = Centerline	P.O.B. = Point of Beginning
(D) = Description	PRM = Permanent Record Monument
FND = Found	R/W = Right-of-Way
mol = More or less	SQ.FT. = Square Feet
NGS = National Geodetic Service	

REVISIONS	BY	DATE	SURVEY BK.	P.D.	CLIENT	PROJECT NAME	PLAN	DATE
to 50 Slips	AMN	11/16/2008			City of Gulfport Pinellas County Florida	Revised Mooring Field Boca Ciega Bay City of Gulfport, Florida	Legend & Surveyor's Notes	6/26/2011
			CAIC					FILE NAME 10-SURVEYOR'S NOTES & LEGEND.DWG
			DEIGN	AMN				PROJECT NO.
			DRAWN	AMN				SHEET 4 of 9
			APPROVED	AMN				

Science and Engineering in the Tradition of the Challenger Expedition

LB 5284

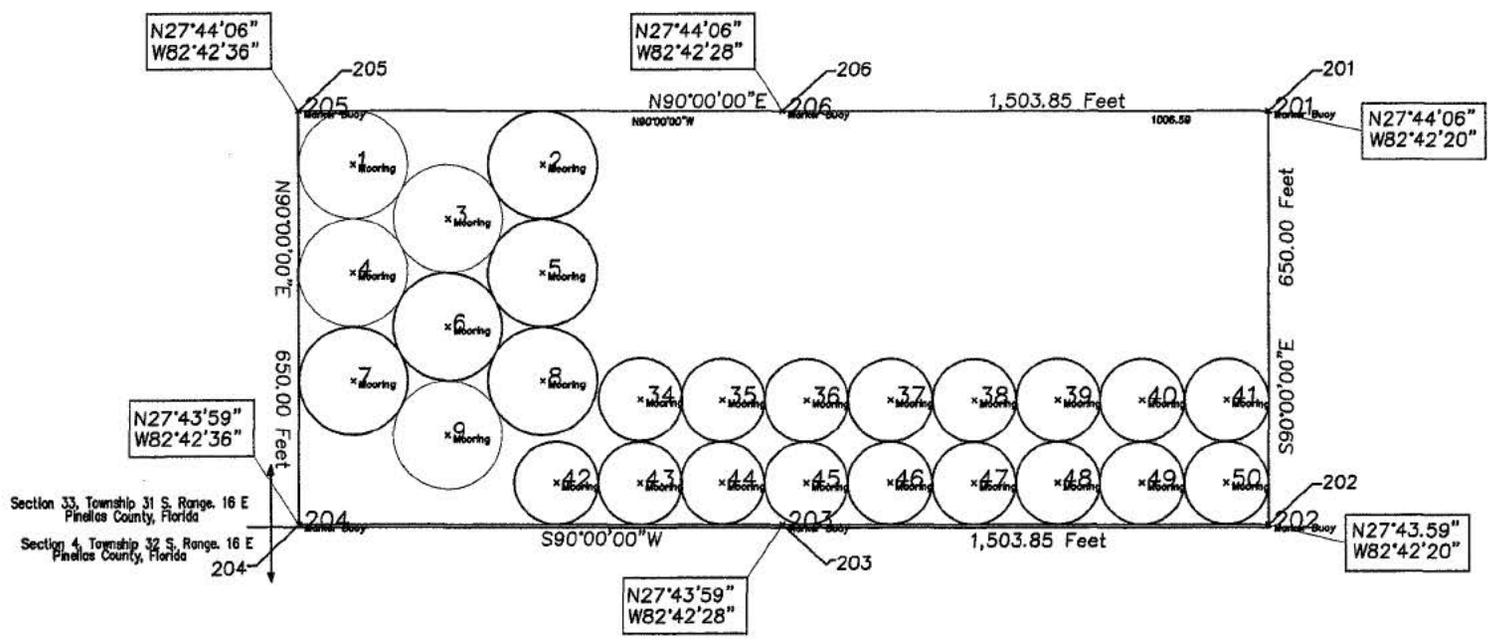
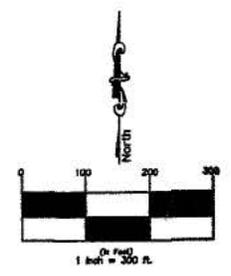


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New Port Richey, Florida 34655  
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Challenger Enterprises Inc.

Florida Surveyor's Registration No. 3483

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# PROPOSED MOORING FIELD

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<b>REVISIONS</b> to 25 Slips		BY: AMN DATE: 6/26/2011	DRAWN BY: AMN DATE: 6/26/2011	CHECKED BY: AMN DATE: 6/26/2011	APPROVED BY: AMN DATE: 6/26/2011	Release and Engineering in the Tradition of the Challenger Expedition <b>Challenger Enterprises Inc.</b> 5284  MAIL: P. O. Box 2005, Safety Harbor, Florida 34695-0205 OFFICE: 3500 Mosquito Drive, New Port Richey, Florida 34655 Phone & Fax (727) 230-3542	CLIENT: City of Gulfport Pinellas County Florida	PROJECT NAME: May 2011 Revised Mooring Field Boca Ciega Bay City of Gulfport, Florida	PLAN: Mooring Swing Circle Sites Gulfport Mooring Fields	DATE: 6/26/2011 FILE NAME: 05-MOORING_SITES.dwg SHEET: 5 of 9
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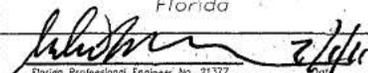
# Proposed City of Gulfport Moorings – Swing Circle Centers

## PROPOSED MOORING FIELD

Mooring Number	Northing	Easting	Latitude (N)	Longitude (W)
1	1236868.8470	270375.6481	N 27° 44' 05"	W 82° 42' 35"
2	1236868.8470	270670.0968	N 27° 44' 05"	W 82° 42' 32"
3	1236783.8470	270522.8724	N 27° 44' 04"	W 82° 42' 34"
4	1236698.8470	270375.6481	N 27° 44' 03"	W 82° 42' 35"
5	1236698.8470	270670.0968	N 27° 44' 03"	W 82° 42' 32"
6	1236613.8470	270522.8724	N 27° 44' 02"	W 82° 42' 34"
7	1236528.8470	270375.6481	N 27° 44' 02"	W 82° 42' 35"
8	1236528.8470	270670.0968	N 27° 44' 02"	W 82° 42' 32"
9	1236443.8470	270522.8724	N 27° 44' 01"	W 82° 42' 34"
34	1236500.5875	270821.7843	N 27° 44' 01"	W 82° 42' 30"
35	1236498.8470	270949.4941	N 27° 44' 01'	W 82° 42' 29"
36	1236498.8470	271079.4941	N 27° 44' 01"	W 82° 42' 28"
37	1236498.8470	271209.4941	N 27° 44' 01"	W 82° 42' 26"
38	1236498.8470	271339.4941	N 27° 44' 01"	W 82° 42' 25"
39	1236498.8470	271469.4941	N 27° 44' 01"	W 82° 42' 23"
40	1236498.8470	271599.4941	N 27° 44' 01"	W 82° 42' 22"
41	1236498.8470	271729.4941	N 27° 44' 01"	W 82° 42' 20"
42	1236368.8470	270691.7843	N 27° 44' 00"	W 82° 42' 32"
43	1236368.8470	270821.7843	N 27° 44' 00"	W 82° 42' 30"
44	1236368.8470	270949.4941	N 27° 44' 00"	W 82° 42' 29"
45	1236368.8470	271079.4941	N 27° 44' 00"	W 82° 42' 28"
46	1236368.8470	271209.4941	N 27° 44' 00"	W 82° 42' 26"
47	1236368.8470	271339.4941	N 27° 44' 00"	W 82° 42' 25"
48	1236368.8470	271469.4941	N 27° 44' 00"	W 82° 42' 23"
49	1236368.8470	271599.4941	N 27° 44' 00"	W 82° 42' 22"
50	1236368.8470	271729.4941	N 27° 44' 00"	W 82° 42' 20"

Note: State Plane Coordinates, NAD 29, Florida West Zone

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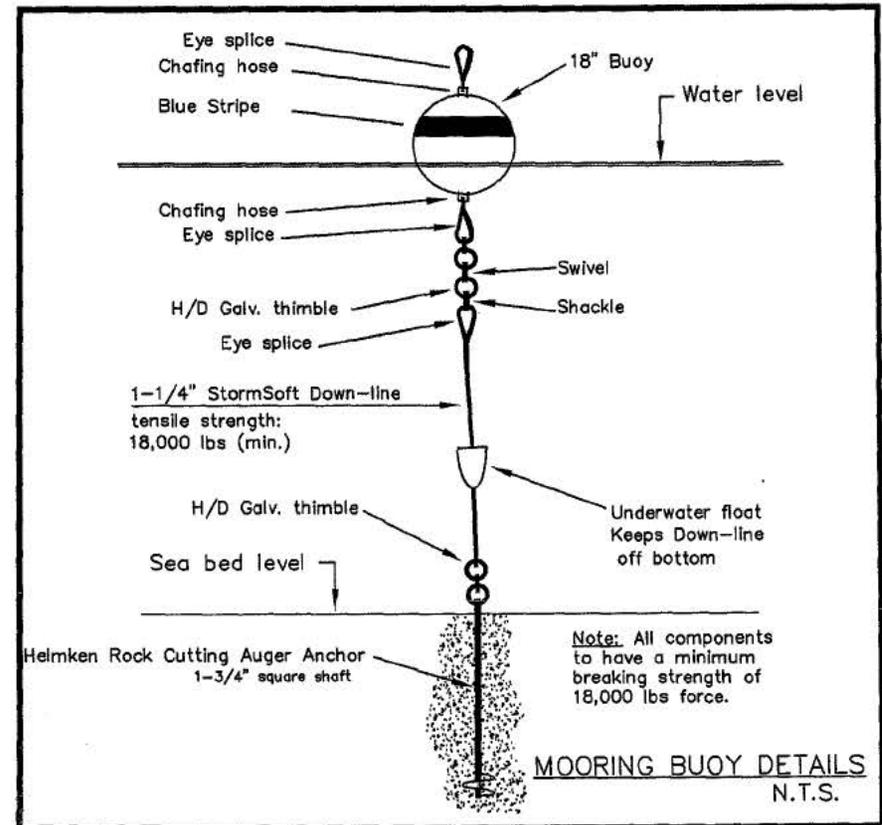
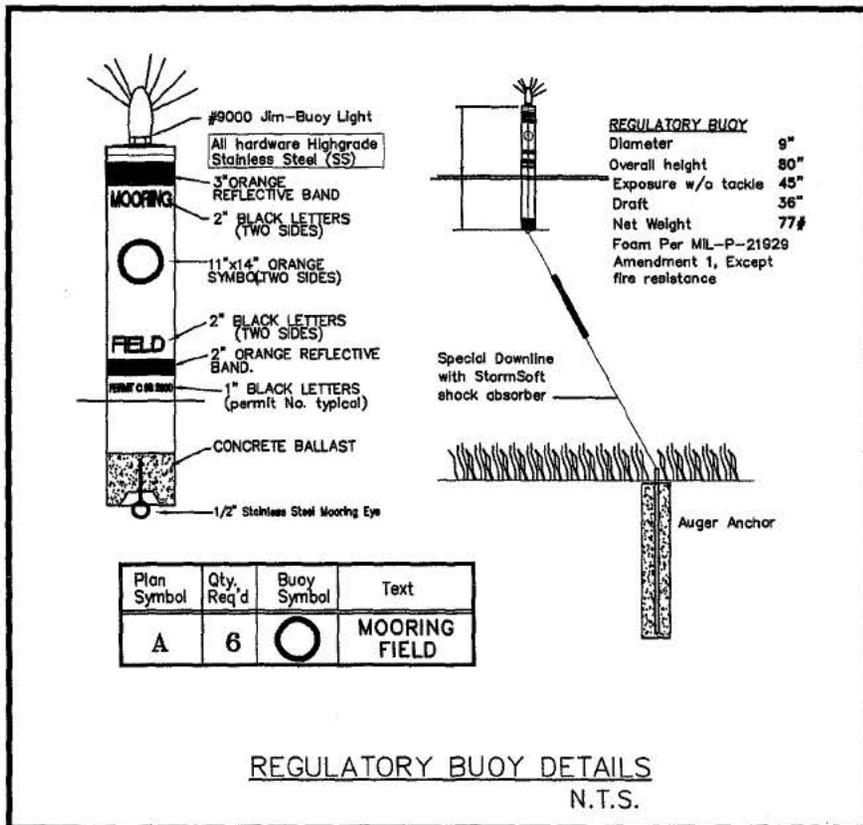
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REVISIONS	BY	DATE	SURVEY BY:	NO.																															
to 50 Slips	AMN	11/16/2009																																	
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			DRAWN	AMN																															
			APPROVED	AMN																															

## Mooring Field Regulatory Marker Buoy Sites

for

CITY OF GULFPORT PROPOSED MOORING FIELD SUBMERGED LANDS LEASE AREA

Marker Site No.	Northing	Easting	Latitude (N)	Longitude (W)
201	1236953.85	271794.49	27°44'06"	82°42'20"
202	1236303.85	271794.49	27°43'59"	82°42'20"
203	1236303.85	271042.57	27°43'59"	82°42'28"
204	1236303.85	270290.65	27°43'59"	82°42'36"
205	1236953.85	270290.65	27°44'06"	82°42'36"
206	1236953.85	271042.57	27°44'06"	82°42'28"



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REVISIONS	BY	DATE	SURVEY BY	PG.	CLIENT	PROJECT NAME	PLAN	DATE
to 50 Slips	AMN	11/19/2009			City of Gulfport Pinellas County Florida	Revised Mooring Field Boca Ciega Bay City of Gulfport, Florida	Anchor & Buoy Details Regulatory Buoy Sites Gulfport Municipal Mooring Fields	6/26/2011
			CALC.					FILE NAME 07-DETAILS.dwg
			DESIGN	AMN				PROJECT NO.
			DRAWN	AMN				SHEET
			APPROVED	AMN				7 of 9

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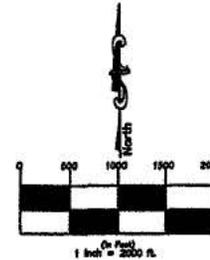
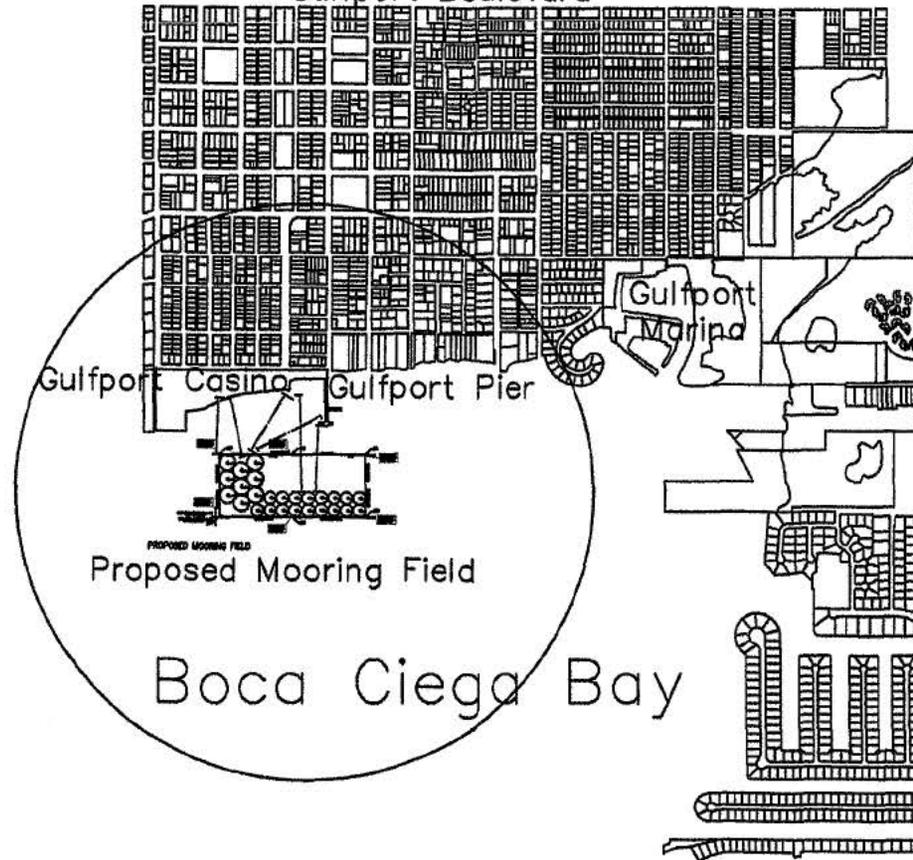
Challenger Enterprises Inc.  
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 New Port Richey, Florida 34855  
 Phone & Fax (727) 236-3642

Florida Professional Engineer No. 20000  
Date: 7/1/10



# City of Gulfport

Gulfport Boulevard



SECTION 33, TOWNSHIP 31 SOUTH, RANGE 16 EAST  
PINELLAS COUNTY, FLORIDA

REVISIONS	BY	DATE	SURVEY BY	PD.
to 50 Slips	AMN	11/19/2008		
			CALC.	
			DESIGN	AMN 11/19/2008
			DRAWN	AMN 11/19/2008
			APPROVED	AMN 11/19/2008

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EB 5284

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Phone & Fax (727) 236-3642  
Image of HMS Challenger, 1872-1876

CLIENT  
City of Gulfport  
Pinellas County  
Florida

Florida Professional Engineer No. 21377

PROJECT NAME  
Mooring Field  
Boca Ciega Bay  
City of Gulfport, Florida

PLAN  
Offset Distances

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DATE  
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FILE NAME  
09 - Offset Distances  
PROJECT NO.  
SHEET