



## **SURVEYOR'S REPORT**

**Specific Purpose Survey of the  
United States Geological Survey  
Recorder Well G-1183  
in  
Miami-Dade County, Florida**

**Prepared for:**

### **South Florida Water Management District**

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**Prepared by:**

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Florida Professional Surveyor and Mapper  
License Number 5666  
State of Florida

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529 West Flagler Street, Miami, FL. 33130  
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Field Date: April 08, 2019  
Report Date: April 30, 2019  
BEC Order #: 03-86445

INSPIRED BEYOND MEASURE • SINCE 1898

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# TABLE OF CONTENTS

<b>Title</b>	<b>Page</b>
Cover Sheet	1
Table of Contents	2
Purpose	3
Location of Project	3
Surveyor's Report	4
Project Datum's	4
Leveling and GPS Methods	4
Equipment used	4
Vertical Control Points	5 & 6
Benchmarks summary	5 & 6
Field Notes	6
Project Results	7
Surveyor's Notes	9
Surveyor's Certificate	10
SFWMD Site Form	11

## SURVEYOR'S REPORT

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### **PURPOSE**

The purpose of this survey is to set an Elevation Reference Mark (Benchmark) consisting of a mag nail and washer and to establish a North American Vertical Datum of 1988 (NAVD 88) elevation on said Benchmark and on an additional Reference Point with a Brass plate, both at United States Geological Survey Well **G-1183**.

### **LOCATION OF PROJECT**

The United States Geological Survey's Recorder Well **G-1183** is located in Section 12, Township 57 South, Range 39 East, Miami-Dade County, Florida.



**General Location (Intended Display scale is "Not to Scale")**

**PROJECT VERTICAL DATUM**

The project vertical datum is the North American Vertical Datum (NAVD) of 1988.

To convert the NAVD 88 elevation to the National Geodetic Vertical Datum of 1929 at station **G-1183 add 1.52'**. These values are based on Corpscon 6.0.1 a US. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the US. Army Corps of Engineers South Atlantic Division, Jacksonville Fl.

**PROJECT HORIZONTAL DATUM**

The project horizontal datum is the North American Datum 83 (NAD 83(2011)) (EPOCH:2010.0000).

**LEVELING METHODS**

The leveling for this project was performed in accordance with standard survey practice using conventional third order methods, techniques and equipment.

The allowable error (.05 √ miles) on this project meets or exceeds third order closures as required by SFWMD for this project per executed SOW for 4600003705-WO04 and discussions with SFWMD.

A level loop was run from the NGS Benchmark K192, through the well site, and to the NGS Benchmark Q120. The measurements were collected using a Digital Level and were hand written in Biscayne Engineering Co, Inc. Field Book 2995 Pages 31-36, dated April 08, 2019 reduced and adjusted electronically. Additional data was manually recorded in the field book.

**GPS METHODS**

Latitude and Longitude for Benchmark G-1183 were established by observing a 3-minute session of GPS data on April 08, 2019 using a Trimble R-8-S and The Florida Permanent Reference Network (FPRN). The FPRN network consists of nearly 100 Continuously Operating Reference Stations (CORS) located throughout Florida.


**EQUIPMENT USED**


- Trimble GPS unit R-8-S, Serial Number 5625R066188.
- TOPCON DL-500 digital level Serial Number 512386 and a folding bar code rod.
- TOPCON Total Station GM-103, Serial Number ZQ000748.

**SURVEYOR'S REPORT**


**VERTICAL CONTROL POINT**

The Vertical Control point utilized and set as part of this survey is the:

<b>NGS K192 (AC1205)</b>						
25° 29' 59.59" (N)	80° 23' 45.77" (W)	Published	6.78 ft.	(NAVD88)	2.07 m	Published
			<p>5.9 MI NE FROM HOMESTEAD.                      ABOUT 2.7 MILES NORTHEAST ALONG THE FLORIDA EAST COAST RAILROAD FROM THE STATION AT HOMESTEAD, THENCE ABOUT 3.2 MILES EAST ALONG BISCAYNE DRIVE AND BOUGAINVILLE BOULEVARD, AT HOMESTEAD AIR FORCE BASE, NEAR THE INTERSECTION OF BOUGAINVILLE BOULEVARD AND CORAL SEA BOULEVARD, SET IN THE TOP OF THE SOUTH END OF THE EAST CONCRETE HEAD WALL FOR A 18-INCH PIPE CULVERT UNDER CORAL SEA BOULEVARD, 26.0 FEET EAST OF THE CENTER LINE OF CORAL SEA BOULEVARD, 30.5 FEET NORTH OF THE CENTER LINE BOUGAINVILLE BOULEVARD, AND ABOUT LEVEL WITH THE BOULEVARDS.</p> <p>BENCHMARK DISK SET IN A RETAINING WALL OR CONCRETE LEDGE</p>			

<b>NGS BM Q120 (AC1206)</b>						
25° 29' 44.00"(N)	80° 23' 44.00" (W)	Published	6.41 ft.	(NAVD88)	1.95 m	Published
			<p>AT HOMESTEAD AIR FORCE BASE, NEAR THE INTERSECTION OF CORAL SEA BOULEVARD AND ST. LO BOULEVARD, IN A SMALL PARKING LOT, 76.0 FEET WEST OF THE CENTER LINE OF CORAL SEA BOULEVARD, 52.5 FEET SOUTH OF THE CENTER LINE OF ST. LO BOULEVARD, SET IN THE TOP OF THE NORTHWEST CORNER OF A 2-FOOT SQUARE CONCRETE BLOCK, 36.7 FEET NORTHEAST OF THE NORTHWEST CORNER OF BUILDING NO. 101, AND ABOUT 1/2 FOOT BELOW THE LEVEL OF THE BOULEVARDS.</p> <p>BENCHMARK DISK SET IN THE FOOTING OF SMALL / MEDIUM STRUCTURE</p>			

**SURVEYOR'S REPORT**

<b>BM: G-1183 (Set as part of this survey)</b>					
25° 29' 19.86" (N)	80° 23' 40.65" (W)	3.57 ft.	(NAVD88)	1.09 m	Level run
		5.09 ft.	(NGVD29)	1.55 m	Converted
		1.52 ft.	(conversion factor)		Corpscon 6.0.1
		<p>STATION IS A MAG NAIL AND WASHER STAMPED "BEC 0129 AND G-1183" SET ON NW CORNER OF CATCH BASIN.</p> <p>FROM THE INTERSECTION OF CORAL SEA BLVD WITH PLOESTI ROAD – 619' SE ON CORAL SEA BLVD, BENCHMARK IS 55' SW.</p>			

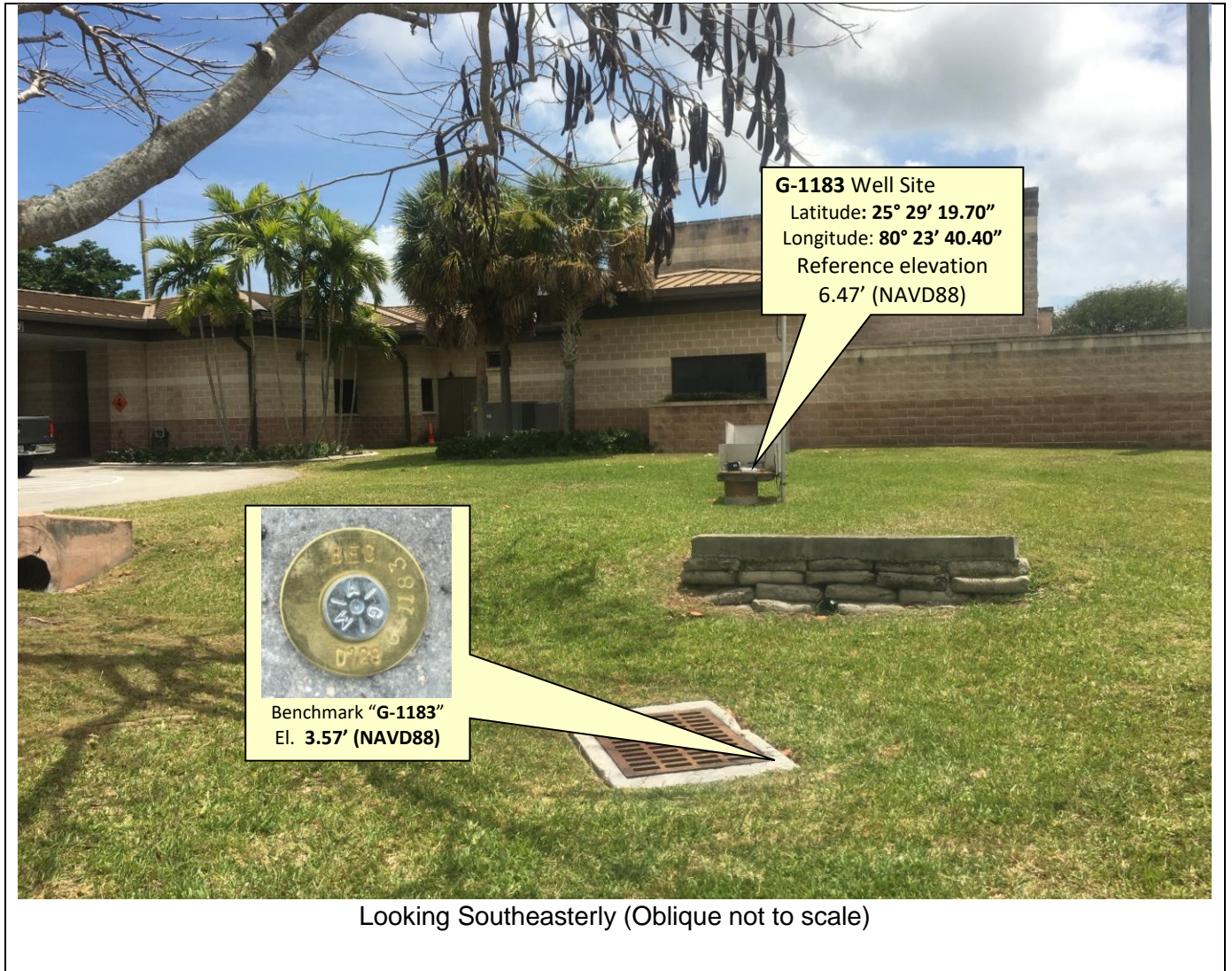
Field Book 2995, Page 33

STA	BS	DIST	HI	FS	DIST	ELEVATION	BM ELEV.	DESCRIPTION
CP #1 = T. 9			9.019	5.408	56.60	3.571		SET MNLW BEC 0129 G-1183 ON NW COR
SHAKE	6.589	229.20	10/130			5.597		SET OUT N 1/2 TT ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 455' NORTH OF THE CP #1
TP #10						3.627		
SHAKE	4.934					6.028		SET OUT N 1/2 TT ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 513.7' NORTH OF THE TP #10
TP #11					7.10	6.058		
SHAKE	4.928	278.20	10.956 10.986			6.086		SET OUT N 1/2 TT ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 555.20' NORTH OF THE TP #11
TP #12				4.870	277.60	6.116		
SHAKE	4.870	261.30	10.956 10.986			6.319		SET OUT N 1/2 TT ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 522.8' NORTH OF THE TP #12
TP #13				4.637	261.50	6.349		
SHAKE	4.552	259.80	10.871 10.901			6.271		SET OUT N 1/2 TT ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 538.80' NORTH OF THE TP #13
TP #14				4.600	279.00	6.301		

**BM G-1183  
ELEVATION: 3.57'  
(NAVD88)**

**PROJECT RESULTS**

Overall Site



**SURVEYOR'S REPORT**

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Tabular Form

<b>Reference and Ground Elevations: (NAVD88)</b>			
Well	Ground Elevation	Reference Elevation	Comments
G-1183	5.09 ft.	6.47 ft.	Top of 5" PVC Pipe.
Offset to NGVD29: +1.52' (See Project Vertical Datum Notes in Page: 4)			
Well diameter		Casing material	DTW

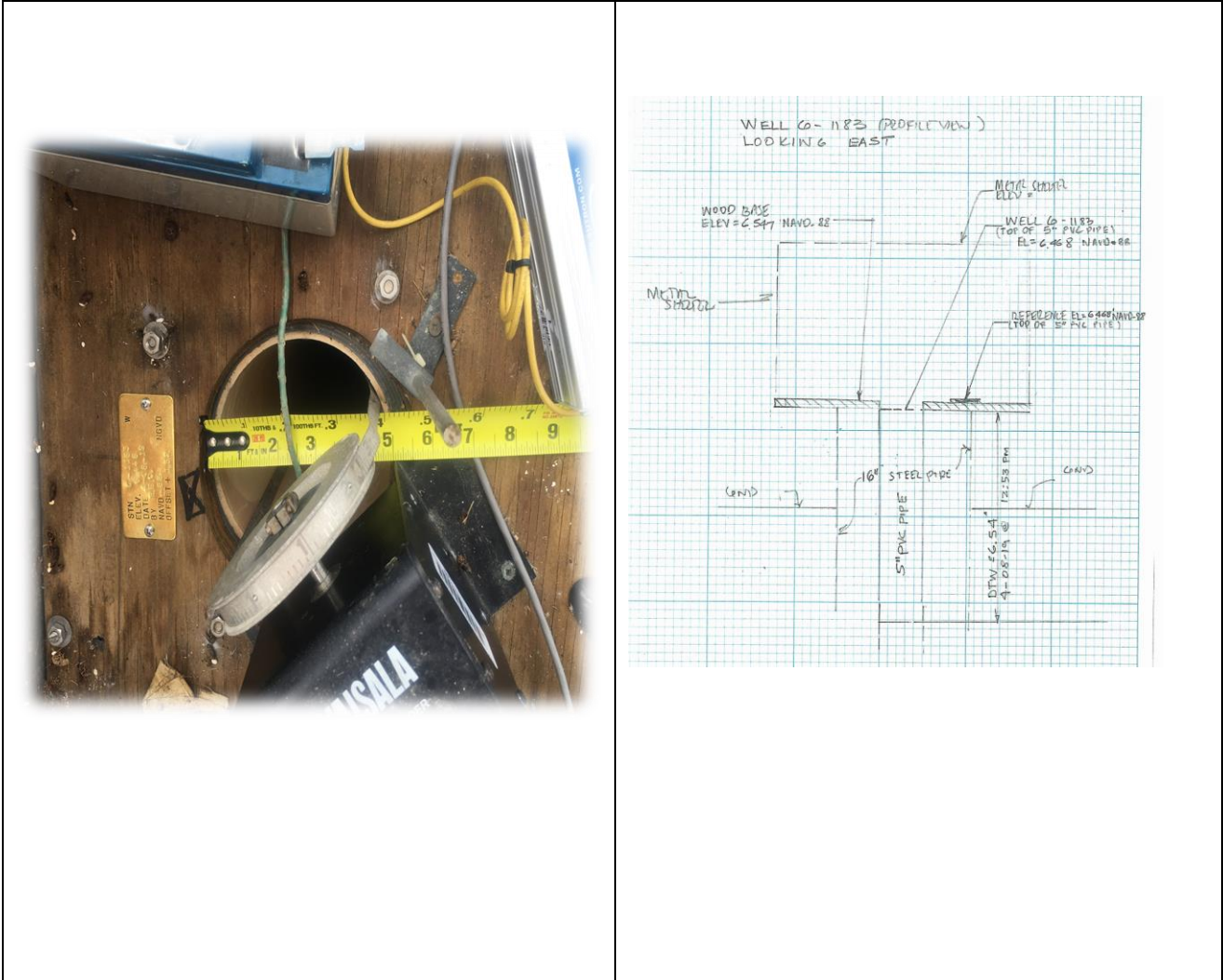
<b>USGS Published: (Per USGS Report Site #: 252918080234201 G-1183) (NGVD29)</b>			
Well	Ground Elevation	Reference Elevation	Comments
G-1183	-	8.06	Top of Base
5"		Metal	6.54 ft. (04/08/19 at 12:53 pm)

Source & Site Benchmark	NAVD88	NGVD29	NGVD29 (Corpscon)
K-192 (NGS)	6.78 ft. (Published)		
Q-120 (NGS)	6.41 ft. (Published)		
G-1183	3.57 ft. (Measured)		5.09 ft. (Converted)



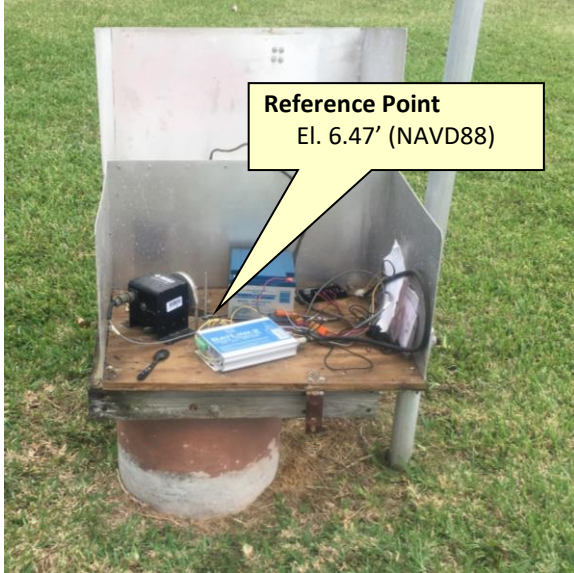
# SURVEYOR'S REPORT

## Well Photos and Diagrams



## SURVEYOR'S REPORT

### Well Photos and Diagrams (Continued)



Side view (Oblique Not to scale)



Top view (Not to scale)

### **Surveyor's Notes:**

1. All measurements herein are in United States Survey feet and decimal thereof, unless otherwise specified.
2. Underground utilities were not located as part of this survey.
3. This survey report or copies thereof are not valid without the original signature and seal of a Florida licensed Surveyor and Mapper.
4. Additions or deletions to this survey report by other than the signing party (or parties) is prohibited without written consent of the signing party (or parties).
5. To convert from NAVD 88 to NGVD 29 add 1.52 feet. This value is based on Corpscon 6.0.1 a U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville Fl.
6. Date of last field work: April 08, 2019, BEC job No. 03-86445.
7. SFWMD Data records (on file at the District's headquarters):
  - A. Electronic Data files:
    - Miscellaneous picture files
  - B. Conventional reporting
    - Field Book: 2995 pages 31-36

## SURVEYOR'S REPORT

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### Abbreviations:

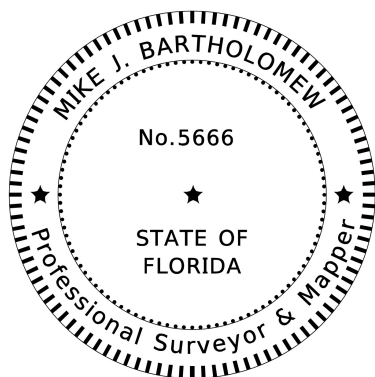
<b>EI.</b>	-	Elevation
<b>DTW</b>	-	Distance to the water table inside the well
<b>M-DC</b>	-	Miami-Dade County
<b>NAVD88</b>	-	North American Vertical Datum of 1988
<b>NGVD29</b>	-	National Geodetic Vertical Datum of 1929
<b>NGS</b>	-	National Geodetic Survey
<b>PSM</b>	-	Professional Surveyor & Mapper
<b>PID</b>	-	Permanent Identifiers
<b>SFWMD</b>	-	South Florida Water Management District
<b>USGS</b>	-	United States Geological Survey
<b>BEC</b>	-	Biscayne Engineering Company, Inc.

### SURVEYOR'S CERTIFICATION

In my professional opinion this Specific Purpose Survey meets applicable portions of the Standards of Practice set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J-17, Florida Administrative Code. This report is prepared for the sole and specific use of the South Florida Water Management District and is not assignable.

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Last date of Survey  
April 08, 2019



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Mike Bartholomew, PSM, President  
Florida Professional Surveyor and Mapper  
License Number 5666  
State of Florida  
Biscayne Engineering Company, Inc. LB No 0129  
529 West Flagler Street, Miami, FL. 33130  
Tel (305) 324-7671



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/18

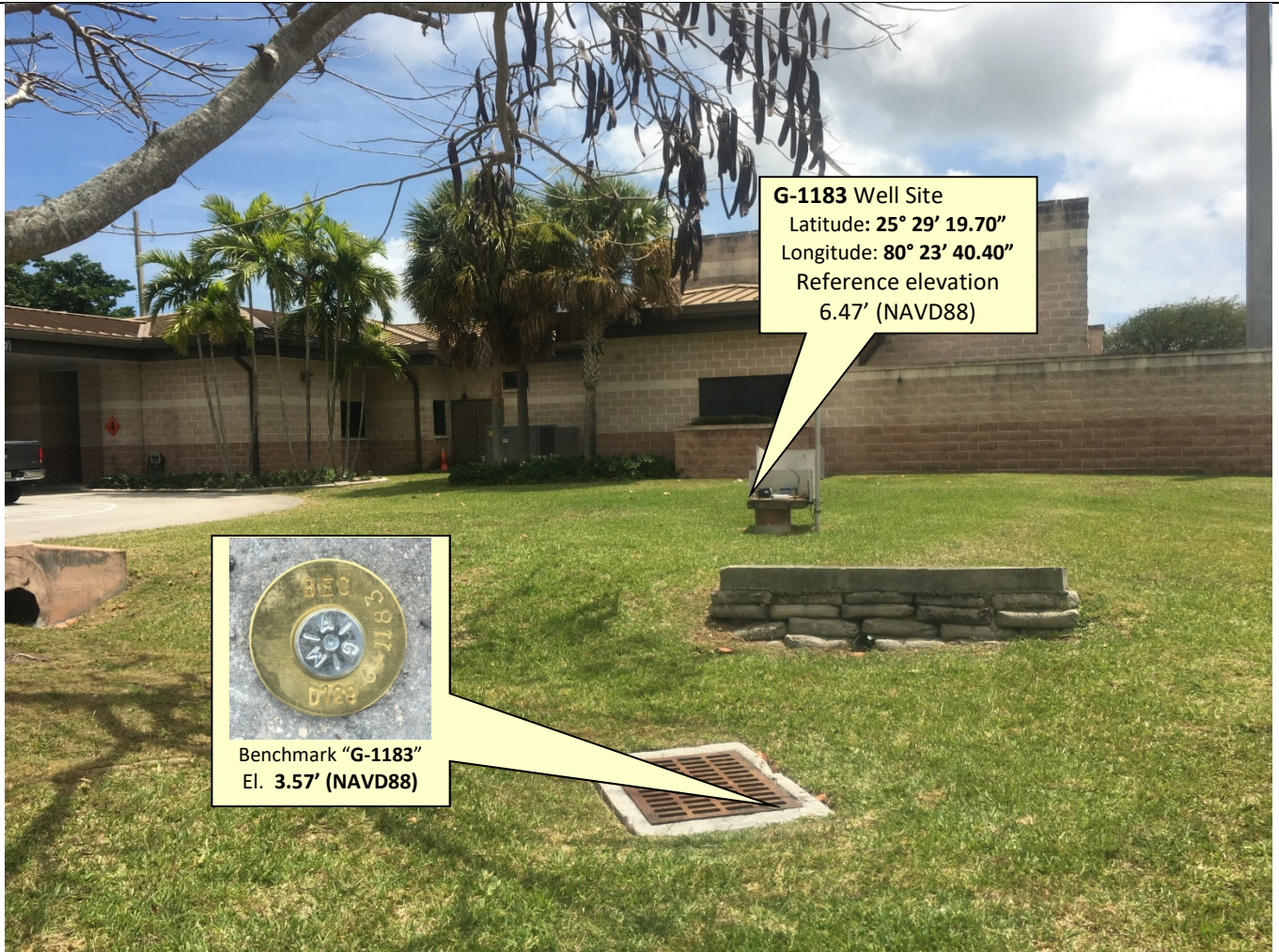
DESIGNATION: G-1183		PROJECT: G-1183	
ESTABLISHED BY: SOUTH FLORIDA WATER MANAGEMENT DISTRICT		SURVEYOR: Mike Bartholomew	
RECOVERED BY: BISCAYNE ENGINEERING CO.		DATE: 04/08/19	
<b>GEOGRAPHIC POSITION</b>			
SECTION 12	TOWNSHIP 57 SOUTH	RANGE 39 EAST	
COUNTY: MIAMI-DADE	NAME OF QUADRANGLE: HOMESTEAD GEOGRAPHIC INDEX OF QUAD:		
HORIZONTAL DATUM: 1927 <b>1983</b> 2022 Other _____ (circle one) ZONE <b>E</b> or W			
VERTICAL DATUM: MSL 1929 <b>1988</b> 2022 Other _____ (circle one)			
VERTICAL ACCURACY: 1 2 <b>3</b>			
STATE PLANE COORDINATE	(N) Y= 420370.56	(E) X= 855856.76	NAVD 88 EL.3.57' NGVD 29 EL. 5.09'
CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): (A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville FL.) ACTUAL NGS or (ngvd29.txt file) OPUS Ortho Height			
LATITUDE: <b>25° 29' 19.86" (N)</b>		LONGITUDE: <b>80° 23' 40.65" (W)</b> (Source) GPS RTK (FPRN)	
<b>RECOVERY DATA</b>			
Stamping: G-1183 BEC 0129			
To Reach: FROM THE INTERSECTION OF CORAL SEA BLVD WITH PLOESTI ROAD – 619' SE ON CORAL SEA BLVD, BENCHMARK IS 55' SW.			
NOTABLE LAND MARKS: HOMESTEAD BASE			
NGS SOURCE BENCHMARKS: K192, Q120			
FIELD BOOK PAGE <u>2995-33</u>			
<b>PICTURES</b>			
Aerial Overall Site			
<div style="position: absolute; top: 10%; right: 10%; border: 1px solid black; padding: 5px;"> <b>G-1183 Well Site</b>          Latitude: 25° 29' 19.70"          Longitude: 80° 23' 40.40"       </div> <div style="position: absolute; bottom: 10%; left: 10%; border: 1px solid black; padding: 5px;"> <p>Benchmark "G-1183" El. 3.57' (NAVD88)</p> </div>			
NOT TO SCALE (Google Earth product)			



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/18

## Overall Site



**G-1183 Well Site**  
Latitude: **25° 29' 19.70"**  
Longitude: **80° 23' 40.40"**  
Reference elevation  
**6.47' (NAVD88)**

**Benchmark "G-1183"**  
El. **3.57' (NAVD88)**

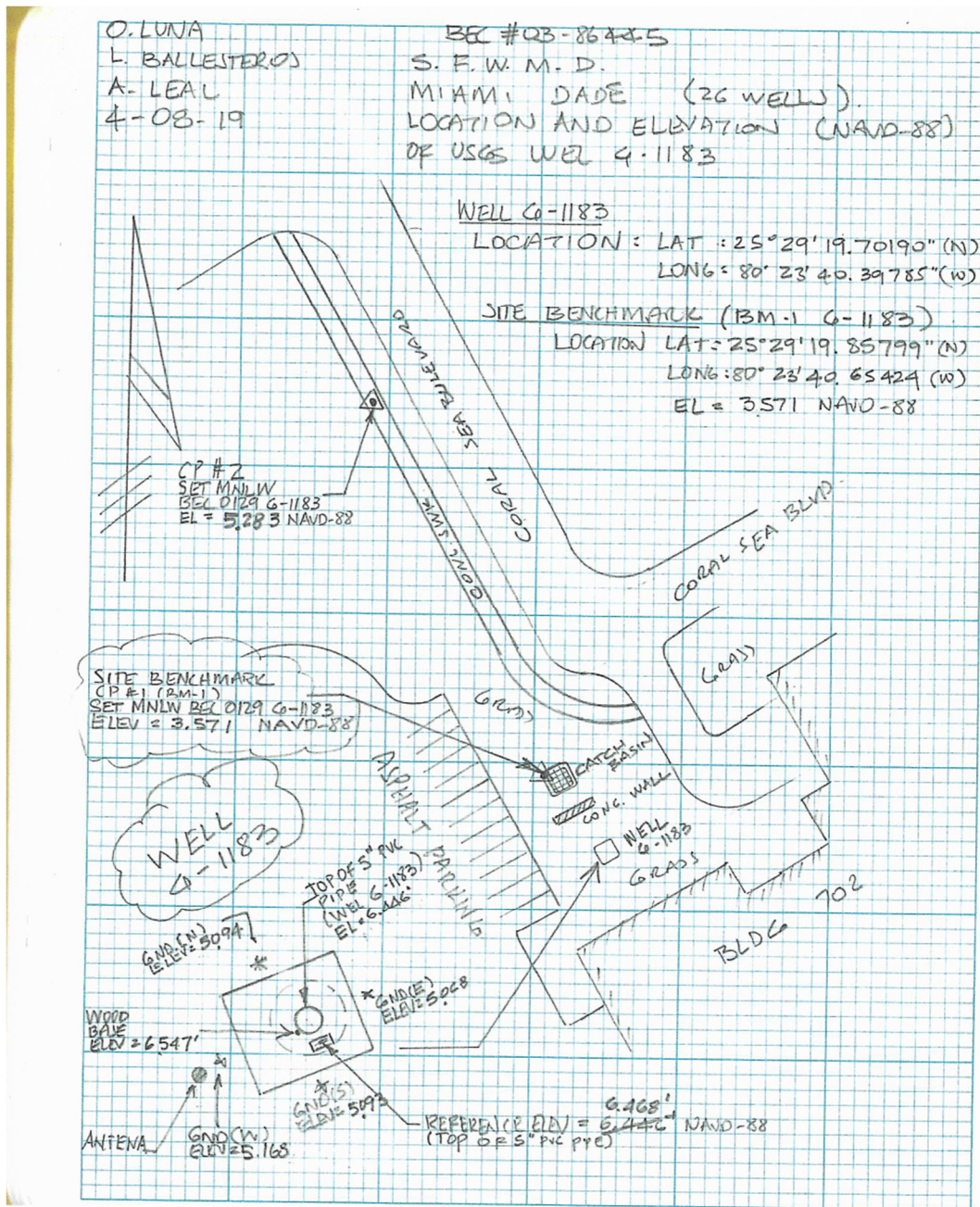
Looking Southeasterly (Oblique not to scale)



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/18

## SKETCH



# Office

## Project

9 May 2019

### INPUT

Geographic, NAD83  
Vertical - NAVD88, U.S. Feet

### OUTPUT

Geographic, NAD83  
Vertical - NGVD29 (Vertcon94), U.S. Feet

---

**G-1183**

1/1

**Latitude:** 25 29 19.86  
**Longitude:** 80 23 40.65  
**Elevation/Z:** 3.571

**Latitude:** 25 29 19.86000  
**Longitude:** 80 23 40.65000  
**Elevation/Z:** 5.093

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**Remark:**

O. LUNA  
 L. BALLESTEROS  
 A. LEAL  
 4-08-19

03-86445  
 S. F. W. M. D.  
 MIAMI DADE (26 WELLS)  
 LOCATION AND ELEVATIONS (NAVD-88)  
 OF USGS WELL G-1183

SET	BS	DIST	HZ	FS	DIST
BM K 192 <b>NAVD88</b>	5.403	230.80	12.183 183		
TP #1				5.149	231.70
SHAKE	5.931	274.50	12.935 12.965		
TP #2				6.941	281.00
SHAKE	5.098	256.20	11.092 11.122		
TP #3				5.018	254.90
SHAKE	4.473	251.50	10.547 10.577		
TP #4				4.419	251.10
SHAKE	4.639	252.60	10.767 10.797		
TP #5				4.632	252.60
SHAKE	4.895	256.20	11.030 11.06		

2995-31

ELEVAT.	BM ELEV.	DESCRIPTION
	<del>6.75</del> 6.78	SW 288 ST --- 30.50' NORTH OF C/L HOMESTEAD AIR FORCE BASE --- CORAL SEA BLVD --- 26' EAST OF C/L
		USC 1/4 BRASS DISC IN TOP OF SOUTH END OF EAST CONG. HEADWALL FOR A 18" PIPE CULVERT UNDER CORAL SEA BLVD. ELEV = 8.27 NGVD-29, ELEV = 6.75' NAVD-88. DIF (71.52) <del>6.78</del>
<del>7.004</del> 7.034		SET CUTNL 1/2 TT, 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 420' SOUTH OF THE SW 288 ST.
	<del>5.994</del> 6.024	SET CUT NL 1/2 TT, ± 1' EAST OF THE WEST EP OF CORAL SEA BLVD, ± 555.50' SOUTH FROM TP 1
	<del>6.074</del> 6.104	SET CUT NL 1/2 TT, ± 1' EAST OF THE WEST EP OF CORAL SEA BLVD, ± 511.10' SOUTH OF THE TP #2
	<del>6.128</del> 6.158	SET CUTNL 1/2 TT, ± 1' EAST OF THE WEST EP OF CORAL SEA BLVD, ± 502.6 SOUTH OF THE TP #3
	<del>6.135</del> 6.165	SET CUTNL 1/2 TT, ± 1' EAST OF THE WEST EP OF CORAL SEA BLVD, ± 505.20' SOUTH OF THE TP #4



O. LUNA  
 L. BALLESTEROS  
 A. LEAL  
 4-08-19

BEC #03-86445  
 S. F. W. M. D.  
 MIAMI DADE (26 WELLS)  
 LOCATION & ELEVATIONS  
 OF USGS WELL G-1183

STA	BS	DI T	HI	FS	DI T
TP # 6			11.930 11.06	4.909	258.20
SHAKE	4.74	266.60	10.865 <sup>±</sup> 10.891		
TP # 7				5.034	266.100
SHAKE	4.739	223.50	10.566 10.596		
CD # 2 (TP 8)				5.313	231.90
SHAKE	3.736	65.10	8.989 9.019 7.0107 (ADS.)		
2				2.543	84.90
3				2.464	85.00
4				3.917	83.00
5				3.953	84.90
6				3.918	85.90
7				3.843	83.50

2995-32

ELEVATION 13M ELEV.	DESCRIPTION
<del>6.121</del> 6.151	SET OUT NL & TT ± 1' EAST OF THE WEST EP OF THE CORAL SEA BLVD, ± 514.40' SOUTH OF THE TP# 5
<del>5.827</del> 5.857	SET OUT NL & TT ± 1' EAST OF THE WEST EP OF CORAL SEA BLVD, ± 532.7' SOUTH OF THE TP# 6
<del>5.253</del> 5.283	SET MINLW BEC 0129 G-1183 ON CONC. SIDEWALK
(ADS) <del>6.446</del> 6.467 6.476	TOP OF 5" PVC PIPE WELL G-1183
<del>6.525</del> 6.546 6.553	WOOD BASE
<del>5.072</del> 5.0937 5.102	GND N
<del>5.036</del> 5.0577 5.066	GND E
<del>5.071</del> 5.0927 5.101	GND S
<del>5.146</del> 5.1677 5.176	GND W

O. LUNA  
 L. BALLESTEROS  
 A. LEAL  
 4-08-19

BEL #03-86445  
 S. F. W. M. D.  
 MIAMI DADE (26 WELLS)  
 LOCATION AND ELEVATIONS (NAVD-88)  
 OF USGS WELL G-1183.

STA	BS	DIST	HI	FS	DIST
			9.019		
CP # 1 = T. 9				5.448	56.60
SHAKE	6.589	229.20	10/130 10.160		
TP # 10				4.533	230.00
SHAKE	4.984	256.60	10/381 10.611		
TP # 11				4.553	257.10
SHAKE	4.928	278.20	10/956 10.986		
TP # 12				4.870	277.60
SHAKE	4.870	261.30	10/956 10.986		
TP # 13				4.637	261.50
SHAKE	4.552	259.80	10/871 10.901		
TP # 14				4.600	279.00

ELEVATION	BM	ELEV.	DESCRIPTION
<del>3.941</del> 3.571			SET MNLW BEL 0129 G-1183 ON NW COR
<del>5.597</del> 3.627			SET CUT NL 1/2 TT, ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 455' NORTH OF THE CP # 1
<del>6.028</del> 6.058			SET CUT NL 1/2 TT ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 513.7' NORTH OF THE TP # 10
<del>6.086</del> 6.116			SET CUT NL 1/2 TT, 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 555.80' NORTH OF THE TP # 11
<del>6.319</del> 6.349			SET CUT NL 1/2 TT, 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 522.8' NORTH OF THE TP # 12
<del>6.271</del> 6.301			SET CUT NL 1/2 TT, ± 1' WEST OF THE EAST EP OF CORAL SEA BLVD, ± 538.80' NORTH OF THE TP # 13

O. LUNA  
 I. BALLESTEROS  
 A. LEAL  
 4-08-19

BEC # 03-86445  
 S. F. W. M. D.  
 MIAMI DADE (26 WELLS)  
 LOCATION AND ELEVATIONS  
 OF USGS WELL 4-1183

STA	BS	DOT	HI	FS	DIST.
TP #14	4.56	98.20	10.831 10.861		
BM G 120 AC 1206				4.437	70.70
<b>NAVD88</b>					

ELEVAT. BM ELEV. DESCRIPT.

6.301

6.394 6.41 CORALSEA BLVD --- 76.10' WEST OF C/L  
 6.424 SAINT LO BLVD --- 52.80' SOUTH OF C/L  
 END BRASS DISC IN GVL. MGN.  
 STAMPED  $\phi$  120 1945  
 DIF + 0.014 ELZ 6.41' NAVD-88 ADJUSTED.

TEST 1  $\frac{6919.8}{5280}$  LF = 1.31 MILE

0.02  $\sqrt{1.31} = 0.022$

SO  $\frac{0.014}{6919.8} = 0.000002023$  PER FT.

O. LUNA  
L. BAILESTEROS  
A LEAL  
4-08-19  
8644517  
TOPON GW 20000748

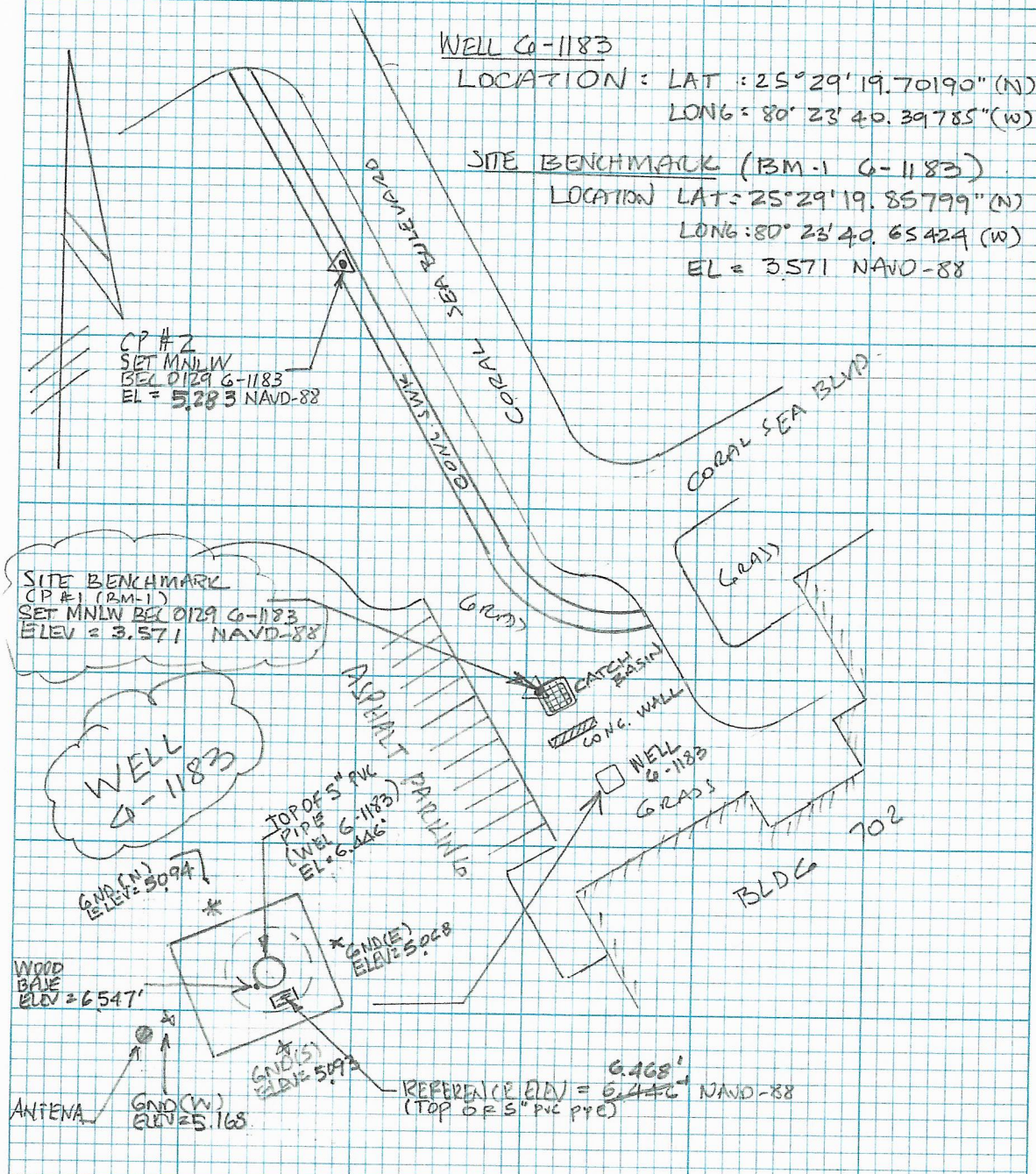
BCL #08-86448  
S. F. W. M. D.  
MIAMI DADE (26 WELLS)  
LOCATIONS AND ELEVATION (NAVD. 88)  
OR USGS WELL 6-1183

INST @ CP 1 (BM. 1)  
HA = 5.18

STA	TH	Horiz $\angle$	VERT $\angle$	SLOPE DIST	DTCL
430 = 2	4.73	00°00'00"	89°17'45"	109.780	

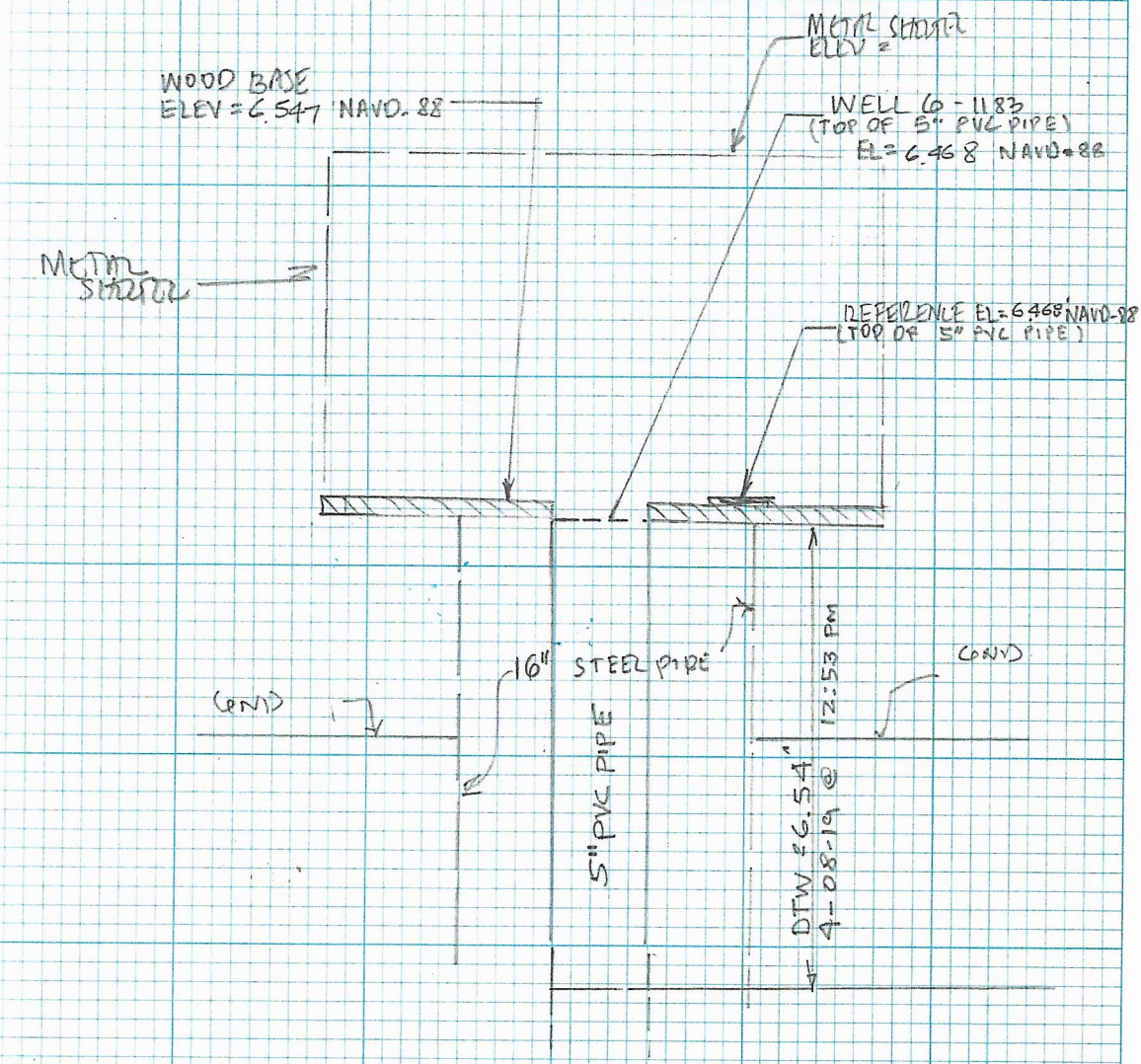
O. LUNA  
 L. BALLESTEROS  
 A. LEAL  
 4-08-19

BEC #QB-86445  
 S. E. W. M. D.  
 MIAMI DADE (26 WELLS)  
 LOCATION AND ELEVATION (NAVD-88)  
 OF USGS WEL 4-1183



2995-36

WELL 4-1183 (PROFILE VIEW)  
 LOOKING EAST



# The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

```

PROGRAM = datasheet95, VERSION = 8.12.5.2
1      National Geodetic Survey,  Retrieval Date = MAY  9, 2019
AC1206 *****
AC1206 DESIGNATION -  Q 120
AC1206 PID          -  AC1206
AC1206 STATE/COUNTY-  FL/MIAMI-DADE
AC1206 COUNTRY      -  US
AC1206 USGS QUAD    -  HOMESTEAD (1994)
AC1206
AC1206                      *CURRENT SURVEY CONTROL
AC1206
AC1206* NAD 83(1986) POSITION- 25 29 44.      (N) 080 23 44.      (W) SCALED
AC1206* NAVD 88 ORTHO HEIGHT -    1.955 (meters)      6.41 (feet) ADJUSTED
AC1206
AC1206 GEOID HEIGHT   -      -25.192 (meters)      GEOID12B
AC1206 DYNAMIC HEIGHT -      1.951 (meters)      6.40 (feet) COMP
AC1206 MODELED GRAVITY -    978,975.3 (mgal)      NAVD 88
AC1206
AC1206 VERT ORDER    -  FIRST      CLASS II
AC1206
AC1206.The horizontal coordinates were scaled from a topographic map and have
AC1206.an estimated accuracy of +/- 6 seconds.
AC1206.
AC1206.The orthometric height was determined by differential leveling and
AC1206.adjusted by the NATIONAL GEODETIC SURVEY
AC1206.in June 1991.
AC1206
AC1206.Significant digits in the geoid height do not necessarily reflect accuracy.
AC1206.GEOID12B height accuracy estimate available here.
AC1206
AC1206.The dynamic height is computed by dividing the NAVD 88
AC1206.geopotential number by the normal gravity value computed on the
AC1206.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AC1206.degrees latitude (g = 980.6199 gals.).
AC1206
AC1206.The modeled gravity was interpolated from observed gravity values.
AC1206
AC1206;                North      East      Units  Estimated Accuracy
AC1206;SPC FL E      -  128,870.    260,770.    MT  (+/- 180 meters Scaled)
AC1206
AC1206_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ607199(NAD 83)
AC1206
AC1206                      SUPERSEDED SURVEY CONTROL
AC1206
AC1206 NGVD 29 (??/??/92)    2.416 (m)      7.93 (f) ADJ UNCH    1 2
AC1206
AC1206.Superseded values are not recommended for survey control.
AC1206
AC1206.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AC1206.See file dsdata.pdf to determine how the superseded data were derived.
AC1206

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AC1206\_MARKER: DB = BENCH MARK DISK  
 AC1206\_SETTING: 34 = SET IN THE FOOTINGS OF SMALL/MEDIUM STRUCTURES  
 AC1206\_SP\_SET: FOOTING  
 AC1206\_STAMPING: Q 120 1945  
 AC1206\_MARK LOGO: CGS  
 AC1206\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 AC1206\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 AC1206+STABILITY: SURFACE MOTION  
 AC1206\_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR  
 AC1206+SATELLITE: SATELLITE OBSERVATIONS - August 18, 2005

AC1206

AC1206	HISTORY	- Date	Condition	Report By
AC1206	HISTORY	- 1945	MONUMENTED	CGS
AC1206	HISTORY	- 1966	GOOD	CGS
AC1206	HISTORY	- 1987	GOOD	USPSQD
AC1206	HISTORY	- 19901231	GOOD	USPSQD
AC1206	HISTORY	- 19930518	GOOD	NGS
AC1206	HISTORY	- 20050818	GOOD	DCPWD

AC1206

STATION DESCRIPTION

AC1206

AC1206'DESCRIBED BY COAST AND GEODETIC SURVEY 1966  
 AC1206'AT HOMESTEAD AFB.  
 AC1206'AT HOMESTEAD AIR FORCE BASE, NEAR THE INTERSECTION OF CORAL  
 AC1206'SEA BOULEVARD AND ST. LO BOULEVARD, IN A SMALL PARKING LOT,  
 AC1206'76.0 FEET WEST OF THE CENTER LINE OF CORAL SEA BOULEVARD, 52.5  
 AC1206'FEET SOUTH OF THE CENTER LINE OF ST. LO BOULEVARD, SET IN THE  
 AC1206'TOP OF THE NORTHWEST CORNER OF A 2-FOOT SQUARE CONCRETE BLOCK,  
 AC1206'36.7 FEET NORTHEAST OF THE NORTHWEST CORNER OF BUILDING NO. 101,  
 AC1206'AND ABOUT 1/2 FOOT BELOW THE LEVEL OF THE BOULEVARDS.

AC1206

STATION RECOVERY (1987)

AC1206

AC1206'RECOVERY NOTE BY US POWER SQUADRON 1987 (LEM)  
 AC1206'RECOVERED IN GOOD CONDITION.

AC1206

STATION RECOVERY (1990)

AC1206

AC1206'RECOVERY NOTE BY US POWER SQUADRON 1990 (LEM)  
 AC1206'RECOVERED IN GOOD CONDITION.

AC1206

STATION RECOVERY (1993)

AC1206

AC1206'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993  
 AC1206'0.7 KM (0.45 MI) EASTERLY ALONG NORTHEAST 8TH STREET FROM THE POST  
 AC1206'OFFICE IN HOMESTEAD, THENCE 3.3 KM (2.05 MI) NORTHEASTERLY ALONG OLD  
 AC1206'DIXIE HIGHWAY (DESOTO STREET), THENCE 5.2 KM (3.25 MI) EASTERLY ALONG  
 AC1206'BISCAYNE DRIVE AND BOUGAINVILLE BOULEVARD, THENCE 0.3 KM (0.20 MI)  
 AC1206'SOUTHERLY ALONG CORAL SEA BOULEVARD, AT HOMESTEAD AIR FORCE BASE, IN  
 AC1206'TOP OF AND 0.2 M (0.7 FT) SOUTHEAST OF THE NORTHWEST CORNER OF A  
 AC1206'CONCRETE FOOTING (ABANDONED) NEAR THE CENTER OF A PAVED PARKING LOT,  
 AC1206'23.2 M (76.1 FT) WEST OF THE CENTERLINE OF THE BOULEVARD, 16.1 M  
 AC1206'(52.8 FT) SOUTH OF THE CENTERLINE OF SAINT LO BOULEVARD, 15.3 M (50.2  
 AC1206'FT) NORTHEAST OF THE NORTHWEST CORNER OF BUILDING NUMBER 101, AND  
 AC1206'11.4 M (37.4 FT) NORTHWEST OF THE NORTHEAST CORNER OF THE BUILDING.

AC1206

STATION RECOVERY (2005)

AC1206

AC1206'RECOVERY NOTE BY DADE COUNTY PUBLIC WORKS DEPARTMENT 2005 (MJW)  
 AC1206'RECOVERED AS DESCRIBED, IN AIR FORCE BASE. WILL NEED PERMISSION TO

AC1206'USE.

\*\*\* retrieval complete.  
Elapsed Time = 00:00:04



# The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.2

1 National Geodetic Survey, Retrieval Date = MAY 9, 2019

AC1205 \*\*\*\*\*

AC1205 DESIGNATION - K 192

AC1205 PID - AC1205

AC1205 STATE/COUNTY- FL/MIAMI-DADE

AC1205 COUNTRY - US

AC1205 USGS QUAD - HOMESTEAD (1994)

AC1205

AC1205 \*CURRENT SURVEY CONTROL

AC1205

AC1205\* NAD 83(1986) POSITION- 25 29 59. (N) 080 23 44. (W) SCALED

AC1205\* [NAVD 88](#) ORTHO HEIGHT - 2.067 (meters) 6.78 (feet) ADJUSTED

AC1205

AC1205 GEOID HEIGHT - -25.192 (meters) GEOID12B

AC1205 DYNAMIC HEIGHT - 2.063 (meters) 6.77 (feet) COMP

AC1205 MODELED GRAVITY - 978,976.0 (mgal) NAVD 88

AC1205

AC1205 VERT ORDER - FIRST CLASS II

AC1205

AC1205.The horizontal coordinates were scaled from a topographic map and have

AC1205.an estimated accuracy of +/- 6 seconds.

AC1205.

AC1205.The orthometric height was determined by differential leveling and

AC1205.adjusted by the NATIONAL GEODETIC SURVEY

AC1205.in June 1991.

AC1205

AC1205.Significant digits in the geoid height do not necessarily reflect accuracy.

AC1205.GEOID12B height accuracy estimate available [here](#).

AC1205

AC1205.The dynamic height is computed by dividing the NAVD 88

AC1205.geopotential number by the normal gravity value computed on the

AC1205.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AC1205.degrees latitude (g = 980.6199 gals.).

AC1205

AC1205.The modeled gravity was interpolated from observed gravity values.

AC1205

AC1205; North East Units Estimated Accuracy

AC1205;SPC FL E - 129,330. 260,770. MT (+/- 180 meters Scaled)

AC1205

AC1205\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ607204(NAD 83)

AC1205

AC1205 SUPERSEDED SURVEY CONTROL

AC1205

AC1205 NGVD 29 (??/??/92) 2.532 (m) 8.31 (f) ADJ UNCH 1 2

AC1205

AC1205.Superseded values are not recommended for survey control.

AC1205

AC1205.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC1205.See file [dsdata.pdf](#) to determine how the superseded data were derived.

AC1205

AC1205\_MARKER: DB = BENCH MARK DISK

AC1205\_SETTING: 32 = SET IN A RETAINING WALL OR CONCRETE LEDGE

AC1205\_SP\_SET: HEADWALL

AC1205\_STAMPING: K 192 1962

AC1205\_MARK LOGO: CGS

AC1205\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 AC1205\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO  
 AC1205+STABILITY: SURFACE MOTION  
 AC1205\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR  
 AC1205+SATELLITE: SATELLITE OBSERVATIONS - May 18, 1993

AC1205	HISTORY	- Date	Condition	Report By
AC1205	HISTORY	- 1962	MONUMENTED	CGS
AC1205	HISTORY	- 1966	GOOD	CGS
AC1205	HISTORY	- 1987	GOOD	USPSQD
AC1205	HISTORY	- 19901231	GOOD	USPSQD
AC1205	HISTORY	- 19930518	GOOD	NGS
AC1205	HISTORY	- 20170717	GOOD	SUTESO

AC1205

AC1205 STATION DESCRIPTION

AC1205

AC1205'DESCRIBED BY COAST AND GEODETIC SURVEY 1966

AC1205'5.9 MI NE FROM HOMESTEAD.

AC1205'ABOUT 2.7 MILES NORTHEAST ALONG THE FLORIDA EAST COAST RAILROAD  
 AC1205'FROM THE STATION AT HOMESTEAD, THENCE ABOUT 3.2 MILES EAST ALONG  
 AC1205'BISCAYNE DRIVE AND BOUGAINVILLE BOULEVARD, AT HOMESTEAD AIR  
 AC1205'FORCE BASE, NEAR THE INTERSECTION OF BOUGAINVILLE BOULEVARD AND  
 AC1205'CORAL SEA BOULEVARD, SET IN THE TOP OF THE SOUTH END OF THE  
 AC1205'EAST CONCRETE HEAD WALL FOR A 18-INCH PIPE CULVERT UNDER CORAL  
 AC1205'SEA BOULEVARD, 26.0 FEET EAST OF THE CENTER LINE OF CORAL SEA  
 AC1205'BOULEVARD, 30.5 FEET NORTH OF THE CENTER LINE BOUGAINVILLE  
 AC1205'BOULEVARD, AND ABOUT LEVEL WITH THE BOULEVARDS.

AC1205

AC1205 STATION RECOVERY (1987)

AC1205

AC1205'RECOVERY NOTE BY US POWER SQUADRON 1987 (LEM)

AC1205'RECOVERED IN GOOD CONDITION.

AC1205

AC1205 STATION RECOVERY (1990)

AC1205

AC1205'RECOVERY NOTE BY US POWER SQUADRON 1990 (LEM)

AC1205'RECOVERED IN GOOD CONDITION.

AC1205

AC1205 STATION RECOVERY (1993)

AC1205

AC1205'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993

AC1205'0.7 KM (0.45 MI) EASTERLY ALONG NORTHEAST 8TH STREET FROM THE POST  
 AC1205'OFFICE IN HOMESTEAD, THENCE 3.3 KM (2.05 MI) NORTHEASTERLY ALONG OLD  
 AC1205'DIXIE HIGHWAY (DESOTO STREET), THENCE 5.2 KM (3.25 MI) EASTERLY ALONG  
 AC1205'BISCAYNE DRIVE AND BOUGAINVILLE BOULEVARD, AT HOMESTEAD AIR FORCE  
 AC1205'BASE, IN TOP OF AND 0.2 M (0.7 FT) NORTH OF THE SOUTH END OF THE EAST  
 AC1205'CONCRETE HEADWALL OF A 24-INCH PIPE CULVERT UNDER CORAL SEA  
 AC1205'BOULEVARD, 9.2 M (30.2 FT) NORTH OF THE CENTERLINE OF BOUGAINVILLE  
 AC1205'BOULEVARD, 7.8 M (25.6 FT) EAST OF THE CENTERLINE OF THE CORAL SEA  
 AC1205'BOULEVARD, AND 0.3 M (1.0 FT) BELOW THE LEVEL OF THE BOULEVARD.

AC1205

AC1205 STATION RECOVERY (2017)

AC1205

AC1205'RECOVERY NOTE BY SURVTECH SOLUTIONS 2017

AC1205'RECOVERED AS DESCRIBED

\*\*\* retrieval complete.

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