

Rev. 1/16

Site Name: MIRFAS Da			Date of Field Work: <b>03-apr-17</b>			
Party Chief: <b>Giammarco</b> Field Book: <b>MISC 6Z</b>			Page <b>57</b>			
Site Benchmark:	Benchmark Elevation (NAVD8		AVD88)	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29)		
MIRAMAR 2 5.922			+1.581			
Reference Elevation(s) (NAVD88): Existing Ta		Existing Tag Elevat	xisting Tag Elevation (Datum):		Calibration Port Elevation(s) (NAVD88):	
7.22	NONE			7.24		
Ground Elevation (NAVD88): (taken at the corners of the concrete pac			pad) Pa	Pad Elevation (NAVD88): (taken at the corners)		
Northwest: 5.4 Northeast: 6.1			No	Northwest: 5.61 Northeast: 6.01		
Southwest: 5.8 Southeast: 5.6			Sc	Southwest: 5.68 Southeast: 6.06		
Latitude: 25°59'33.8"			Lo	ngitude: <b>80°19</b>	<b>'56.2"</b> (taken from esri product)	

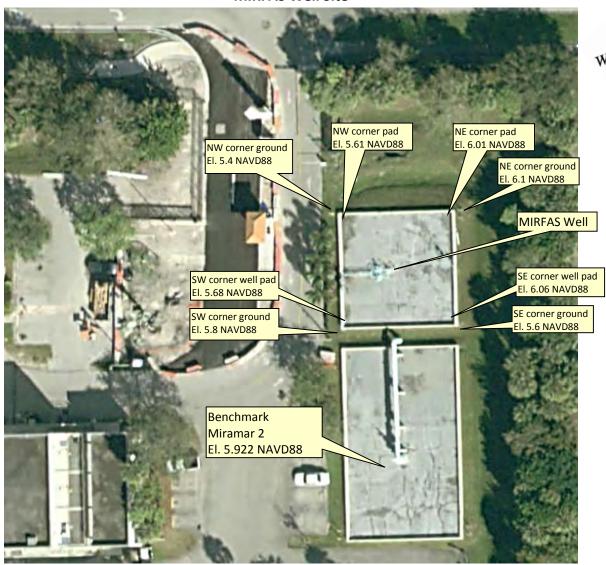
Equipment used: Zeiss Ni2 Level and a Topcon GPS unit

**NAVD88** – North American Vertical Datum of 1988 **NGVD29**- National Geodetic Vertical Datum of 1929

**Corpscon 6.0.1** - A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windowsbased 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 FI.

#### **PICTURES**

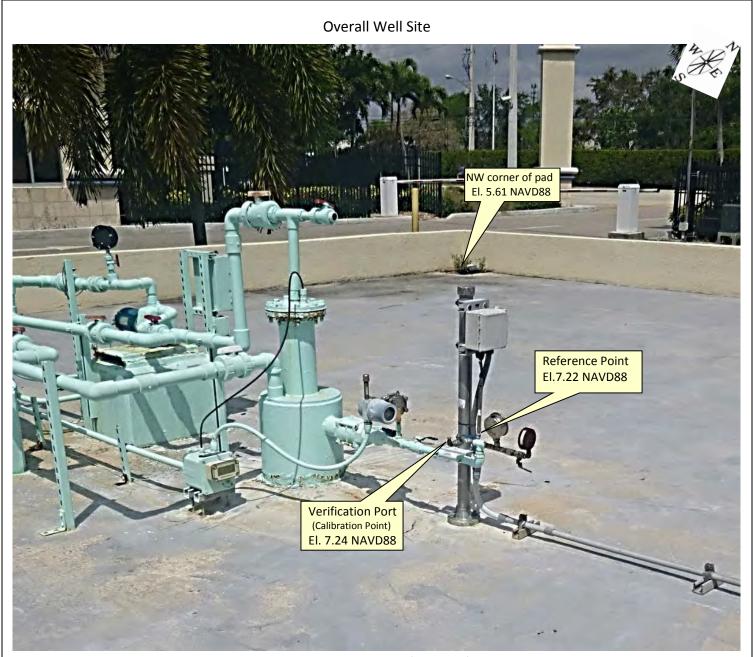
#### **MIRFAS Well Site**



(Not to scale) taken from esri product



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Looking Northwesterly (03-apr-17)



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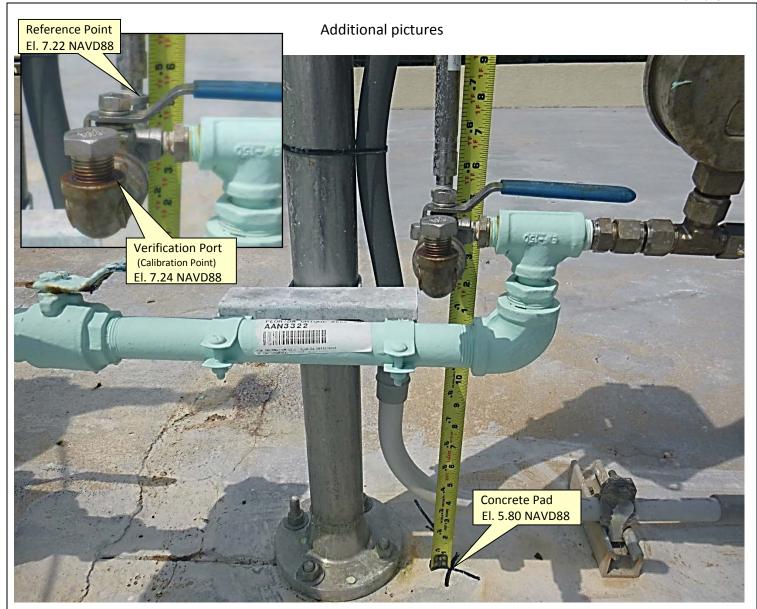
Looking Westerly (03-apr-17)







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57 4/3/17 Misc FB 62		4/3/17 MISC FB 6Z	57
SEC 27 TWIP 51  FILE NAME MEANT  MIRAMAR I & MIRAMAR 2 VER  ON WELL SITES  REF. S.F. W.M.O. BENCIN MARK DISC	\$		INMM ARCO
BASE & POINT DI MIRAMAR 2 Fd S. 1 STAMPE D MIRAMAR 2 2004	G.P.S 5410	1_GNSS,603507.929000,875502.204000,5.922000,Base Setup	
ROVER POINT #2 MIRAMAR 1 Fd S.F. M. STAMPED MIRAMAR 1 2004  KI: 0014 6 0,028	Grs 5378		
BM + 11 I MIRAMARZ 4.34 10.26 12EF, DT 4.46	5.92 5.722 5.80 7.22	GROWND SHOT AT REF. PT. A PLUS 1.42 TO BE ADDRESS. GZEV.	517 FOR
VEIZIFICATION 3.02 CONCEPAD N. W. COR. 4.65			
GROUND B  A.9  Cont PAD  N. C. COP  GROUND  N. C. COP  A.25			
Cancerav 5.5 Gor CRESUMD 5.5.COM	5.56		
Constant S. W Core Core sunis S. W. Core M. R. MARZ	5.76		



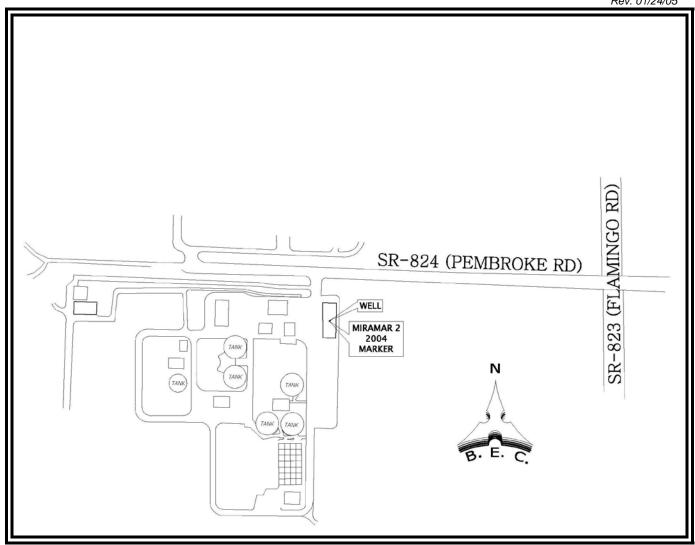
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COUNTY <u>BROWARD</u>	PROJECT <u>MIRAMAR</u> WASTEWATER RECLAMATION FACILITY		DESIGNATION <u>MIRAMAR 2</u>				
SECTION 22	TOWNSHIP	<u>51S</u>	RANGE <u>40E</u>				
GEOGRAPHIC INDEX OF QUAD Florida							
Established by Biscayne Engineering Company, Inc.		NAME OF QUADRANGLE1603					
SURVEYOR Mike J. Bartholomew DATE 10 / 02 / 2004		FIELD BOOK         2516         PAGE         62           2525         PAGE         2-7					
HORIZONTAL DATUM: 1927	1983 Other (circle one) ZONE <u>0901 (EAST)</u>						
VERTICAL DATUM: MSL 1929	ERTICAL DATUM: MSL 1929 1988 Other (circle one)						
CONTROL ACCURACY: HORIZONTAL 1 2 3 SUB-METER (circle one) VERTICAL 1 2 3							
STATE PLANE COORDINATES MIRAMAR-2 (U.S. Survey feet)	<b>X=</b> 875502.204	Y= 603507.9	<b>EL=</b> 5.92' (NAVD-88)				
MIRAMAR-2 LATITUDE 25°59'32.83"N LONGITUDE 080°19'56.15""W							
DESCRIPTION							
To Reach: From intersection of SR-82			, ,				
West along the SR-824 (Pembroke Roman Wastewater Treatment Facility		ENCE go South for 0.0	01mile to the entrance gate of the				
Continue South to station Miramar-2 on the left. Miramar-2 is a standard South Florida Water Management District Aluminum Disk (stamped "Miramar-2") set near the center of a concrete platform for wellheads. Miramar- 2 is 26.40 feet East of and 37.40 feet North of the Southwest corner of said platform.							
Note: Origin of NAVD-88 elevation for BM Miramar-2 is closed bench level circuit through NGS benchmarks AH2270 and AH2272 using published NAVD-88 values. Origin of NGVD-29 elevation for BM Miramar-2 is conversion of NAVD-88 value using NGS Vertcon (on NGS web site)							

**SKETCH:** SEE PAGE 2



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## Office

#### **Project**

17 April 2017

#### **INPUT**

Geographic, flhpgn - Florida HPGN Vertical - NAVD88, U.S. Feet

#### **OUTPUT**

State Plane, flhpgn - Florida HPGN 0901 - Florida East, U.S. Feet Vertical - NGVD29 (Custom), U.S. Feet

**MIRFAS** 

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Latitude: 25 59 33.8 Longitude: 80 19 56.2

Longitude: 80 19 56.2 Elevation/Z: 0

Northing/Y: 603605.519
Easting/X: 875496.764
Elevation/Z: 1.581

**Convergence:** 0 17 33.52129 **Scale Factor:** 0.999996338

**Combined Factor:** 1.000000194

Remark:



# **DBHYDRO** | by station

#### STATION INFORMATION MIR-MZU Station Site MIRFAS Type SUBSTATION Latitude (ddmmss.sss) 255933.913 Longitude (ddmmss.sss) 801956.128 X Coord (ft) NAD83 875503.187 Y Coord (ft) NAD83 603616.9 County Broward C-9 WEST Basin 22 Section 51 Township Range 40 Show Map Google Map Well Info Info Substation of MIR-MW1 (1600-1700 ft bls) Description Notes **Nearby Stations** Nearby Stations Attachments None Available Query returned 1 station record(s). Get Sample Data Get Time Series Data

DBHYDRO Menu | DBHYDRO Home | SFWMD Home | User's Guide | What's New | FAQ | Comments?

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