



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

DB Hydro Station Name: C2GW_GW1 C2GW_GW2	DB Hydro Site Name: C2GW1 C2GW1	Agency: WMD/ESDA	Date of Field Work: 16-aug-16
Party Chief: Giammarco	Field Book: Misc 6Z	Page 38	Prepared by: H. Ehmke

SITE SPECIFIC DATA

Site Benchmark: C2 R/W POL 1994	Benchmark Elevation (NAVD88) 5.793	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.558
Reference Elevation(s) (NAVD88): C2GW_GW1 El. 6.32 C2GW_GW2 El. 6.33	Existing Brass Tag Elevation (Datum): None None	Calibration Port Elevation(s) (NAVD88): Not Applicable Not Applicable
Ground Elevation (NAVD88): Not required	Pad Elevation (NAVD88): Not Required	

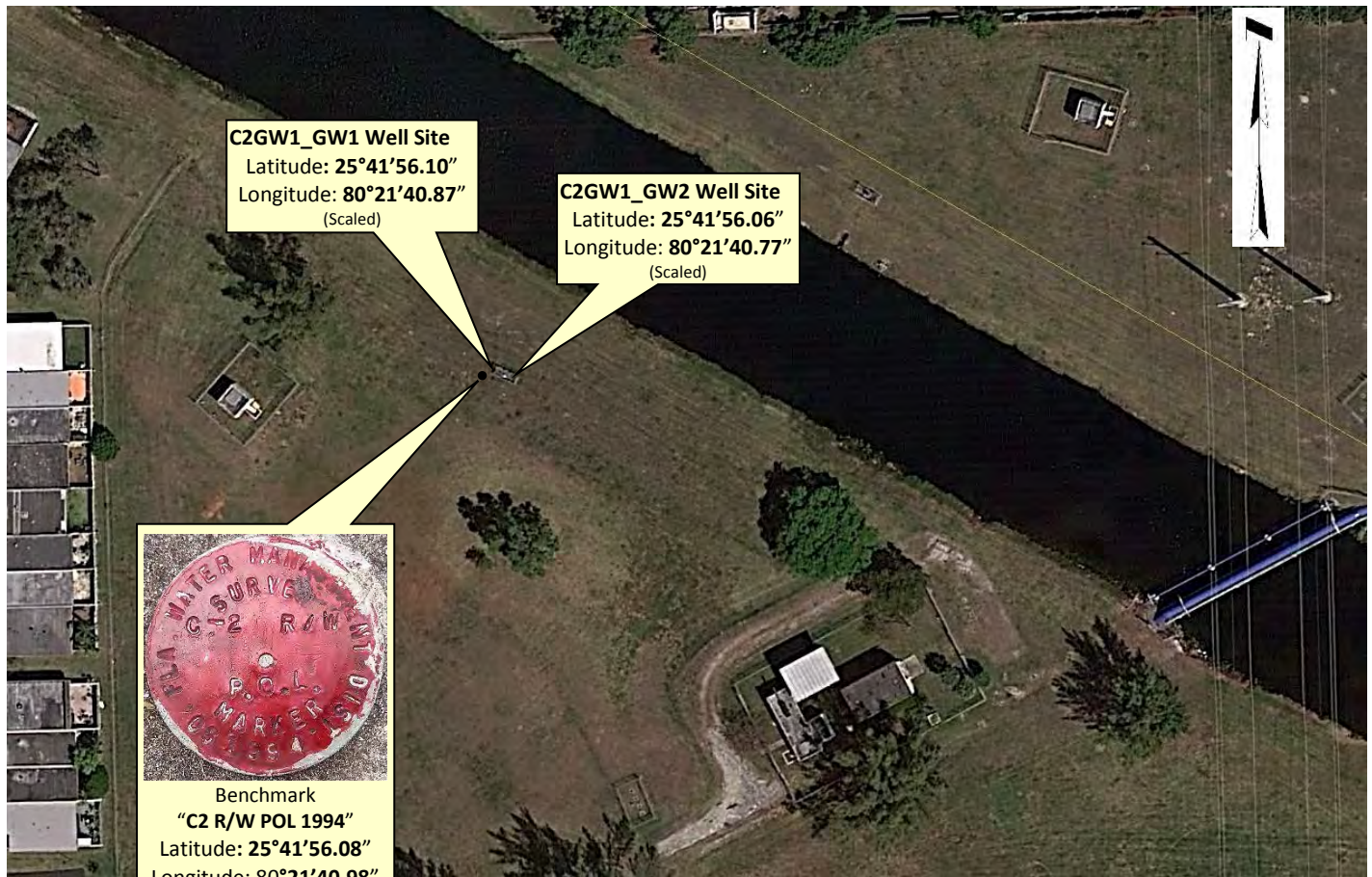
GEOGRAPHIC DATA

Section 32	Township 54 South	Range 40 East	
Benchmark	Latitude: 25°41'56.076"	Longitude: 80°21'40.98"	Source: SFWMD Calculations
	State Plane Coordinates	Northing (Y) = 496768.23	Easting (X) = 866454.88

Notes:
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 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.

PICTURES

Aerial Overall Site




 Benchmark
"C2 R/W POL 1994"
 Latitude: **25°41'56.08"**
 Longitude: **80°21'40.98"**
 El. **5.793 NAVD88**

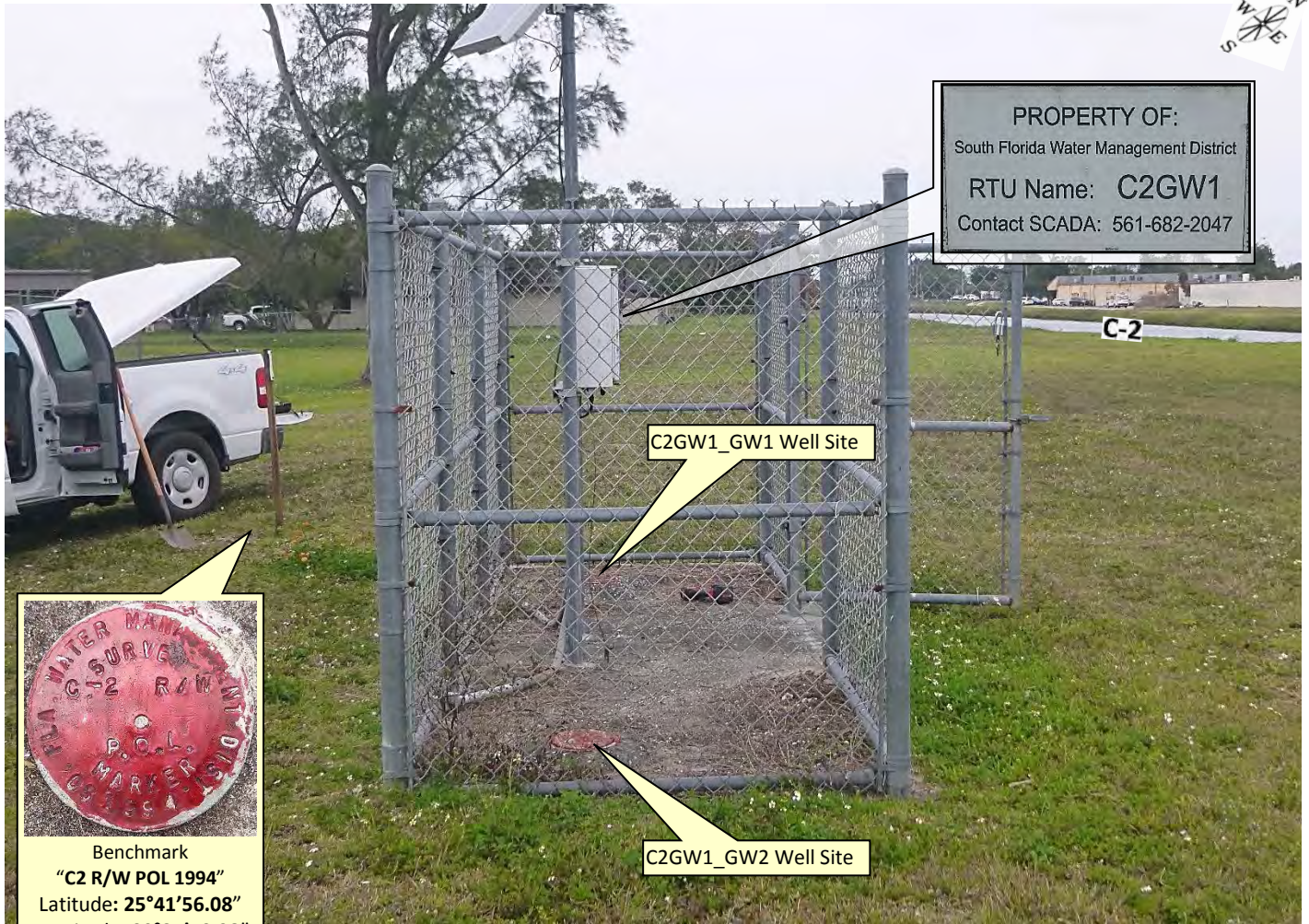
Not to scale (Google Earth Pro product)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

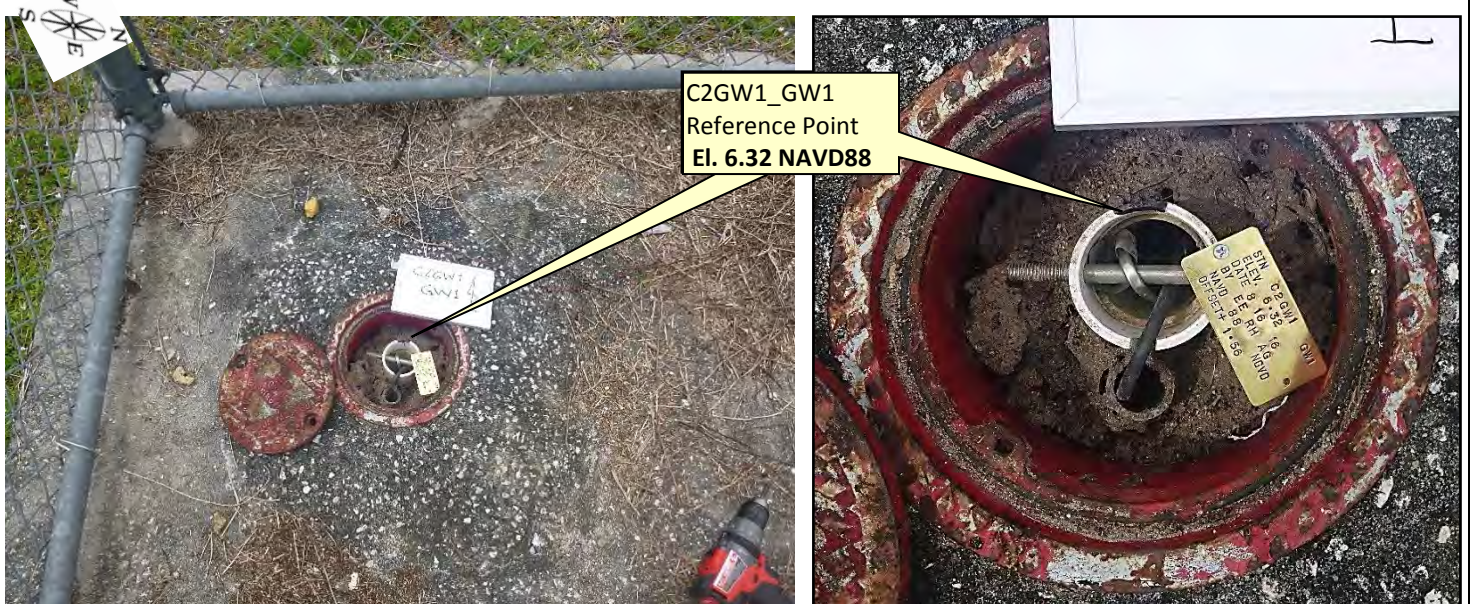
Overall



Benchmark
"C2 R/W POL 1994"
 Latitude: **25°41'56.08"**
 Longitude: **80°21'40.98"**
 El. **5.793 NAVD88**

Looking Northwesterly (oblique not to scale 16-aug-16)

C2GW1_GW1 Close up (West Well)



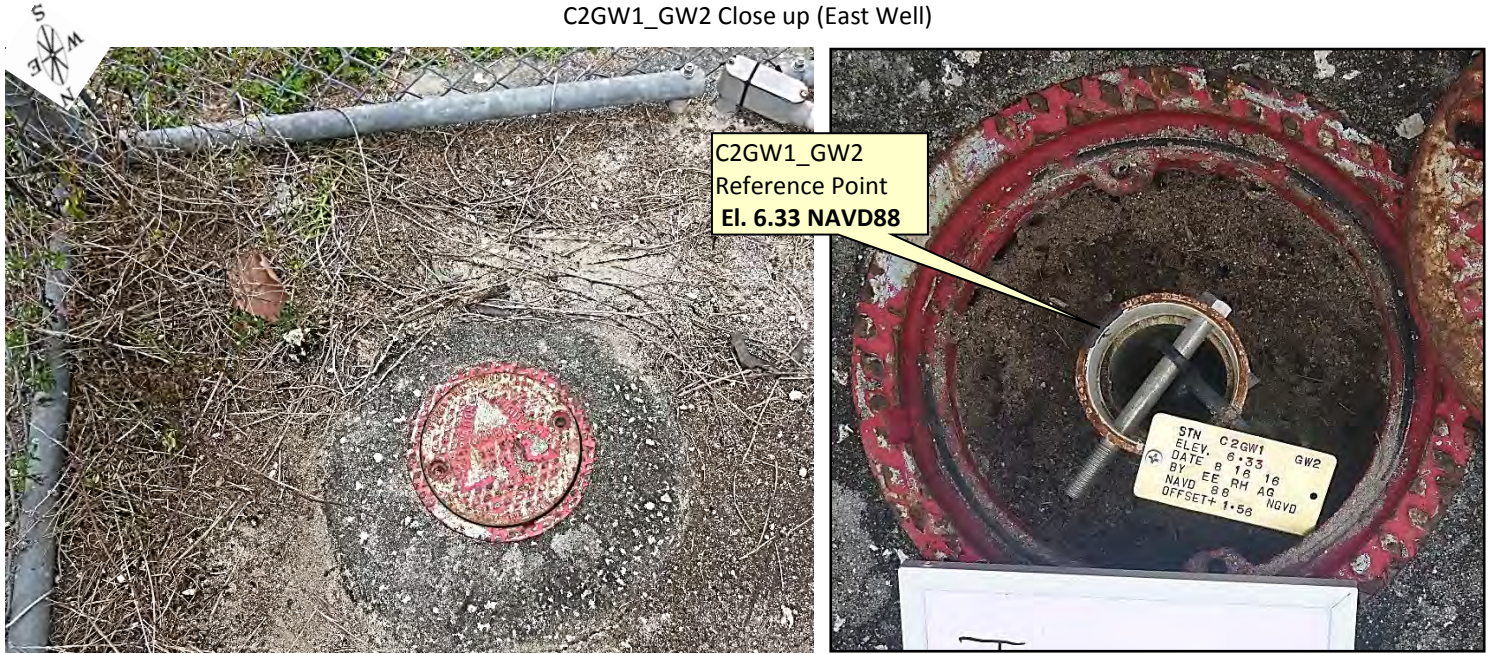
Looking Northwesterly (oblique not to scale) (16-aug-16)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

C2GW1_GW2 Close up (East Well)

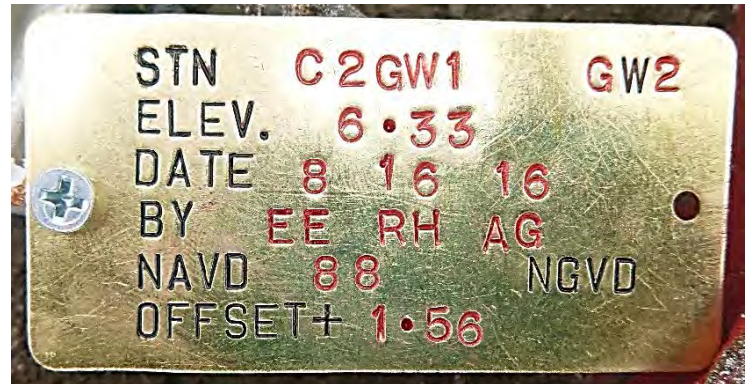


Looking Southeasterly (oblique not to scale) (16-aug-16)

New NAVD88 Brass Tag Close-up



New NAVD88 Brass Tag Close-up

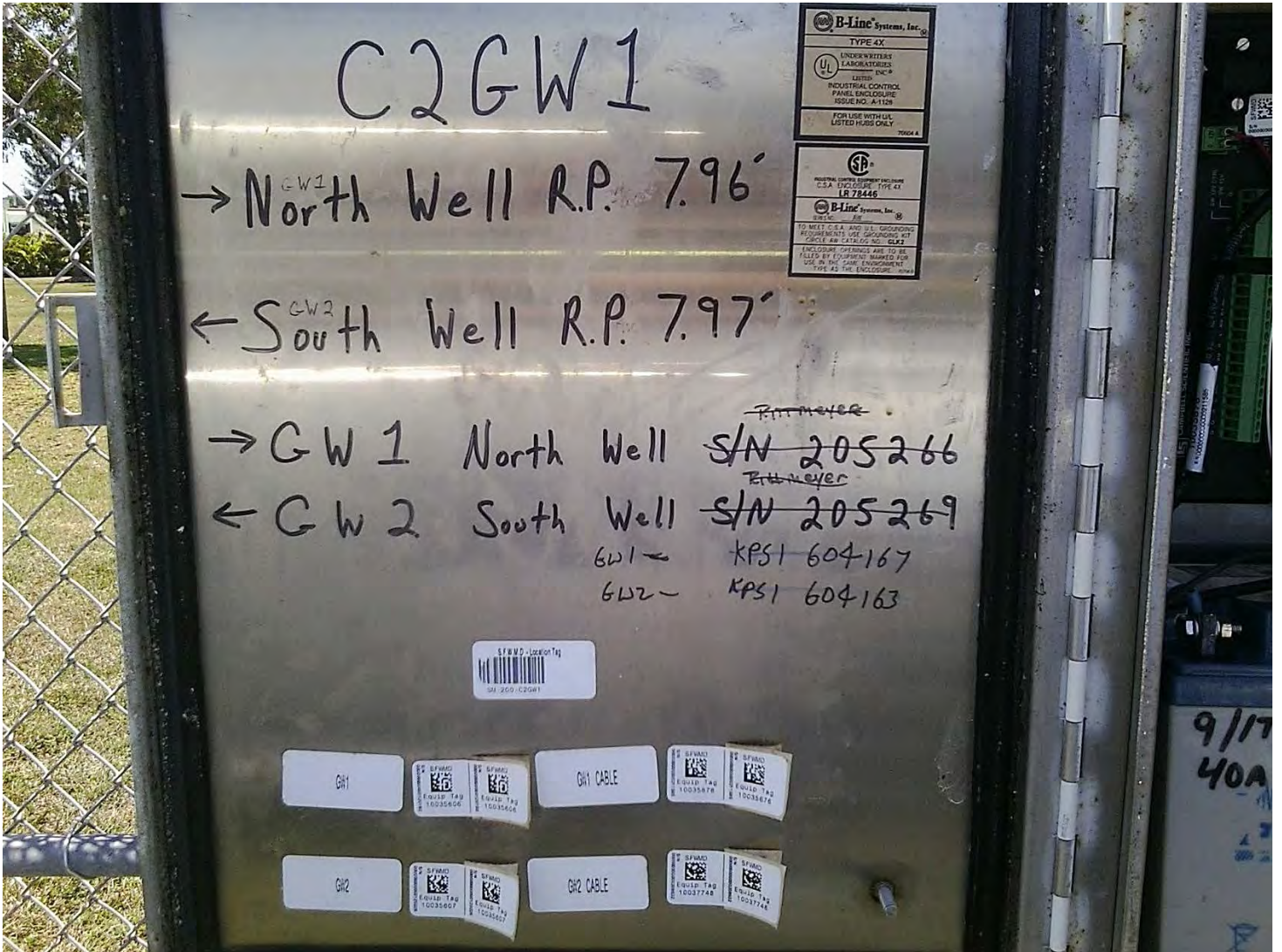




SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

RTU (Inside of door)



Looking Southerly (Not to scale oblique) (15-may-14) for informational purposes only



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION C2 R/W POL 1994	PROJECT VDUP
ESTABLISHED BY WANTMAN GROUP	SURVEYOR DEREK ZEMAN
RECOVERED BY	DATE November 4, 2015

GEOGRAPHIC POSITION

SECTION 32	TOWNSHIP 54S	RANGE 40E
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COUNTY MIAMI-DADE	NAME OF QUADRANGLE SOUTH MIAMI
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HORIZONTAL DATUM: 1927 1983 Other _____ (circle one) **ZONE** E or W

VERTICAL DATUM: MSL 1929 1988 Other _____ (circle one)

CONTROL ACCURACY: HORIZONTAL 1 2 3 SUB-METER (circle one) VERTICAL 1 2 3

STATE PLANE COORDINATES	X 866454.88 <small>SFWMD FB19MM p65</small>	Y 496768.23	NAVD 88 ELEV. 5.793 NGVD 29 ELEV. _____
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LATITUDE 25° 41' 56" **LONGITUDE** 80° 21' 41"

RECOVERY DESCRIPTION

Stamping: C2 R/W POL 1994

To Reach: FROM THE INTERSECTIOPN OF SW 72nd ST. AND SW 107th AVE. GO EAST ON SW 72nd ST. AND TURN RIGHT BEFORE CROSSING C2 CANAL, HEAD S.E. PARALELING THE C2 CANAL ON THE SOUTH SIDE FOR 0.28 MILES TO A SMALL FENCED AREA APPOX. 65.0 SOUTH OF THE SOUTH TOP BANK C2 CANAL. BENCH MARK IS 10Ft +/- FROM S.E. CORNER OF FENCE. 1Ft SOUTH OF WITNESS POST.

BENCH MARK IS A SFWMD ALUMINUM DISK IN CONCRETE.

Notable Land marks: C2 CANAL

FIELD BOOK 612 #12 **PAGE** 42

SKETCH



10-27-15 SFWMD 80° PC

DONOHUE C26SW1
GOOTS ELEVATE WELLS

LAST

3 WIRE	+	H1	3 WIRE	-	ELEV	DESC
4.24					6.243	C26SW1

4.18 4.18 10.423

4.12

12.54 1.17

1.11 1.11 9.313 MARK @ WELL

1.05

3.33

1.01

.95 .95 10.263

4.08

.89

2.85 4.02 4.023 6.24 VIN @ SITE RM

3.97

12.87

SET GAUGE

6.243 C26SW1

10.263

8.70 1.563 H2O @ 10:36 AM

12.22 7.957 NG @ PIPE

5.38 4.883 TOP OF SET GAUGE

BROKE SET UP

5.72 10.603

4.36 6.243 VIN @ SITE RM

BS	BS	FS	FS	ELEV	DESC
R#	DIST	R#	DIST		
4.502	149.8	4.952	209.1	5.793	SFWMD DISK STAMPED
4.768	205.2	3.852	132.3	6.709	NAIL & TINTAB

6.243 SFWMD DISK STAMPED

4.502 149.8

4.952 209.1 5.793 SFWMD DISK STAMPED

4.768 205.2

3.852 132.3 6.709 NAIL & TINTAB

31011071.08

612 #10

1021

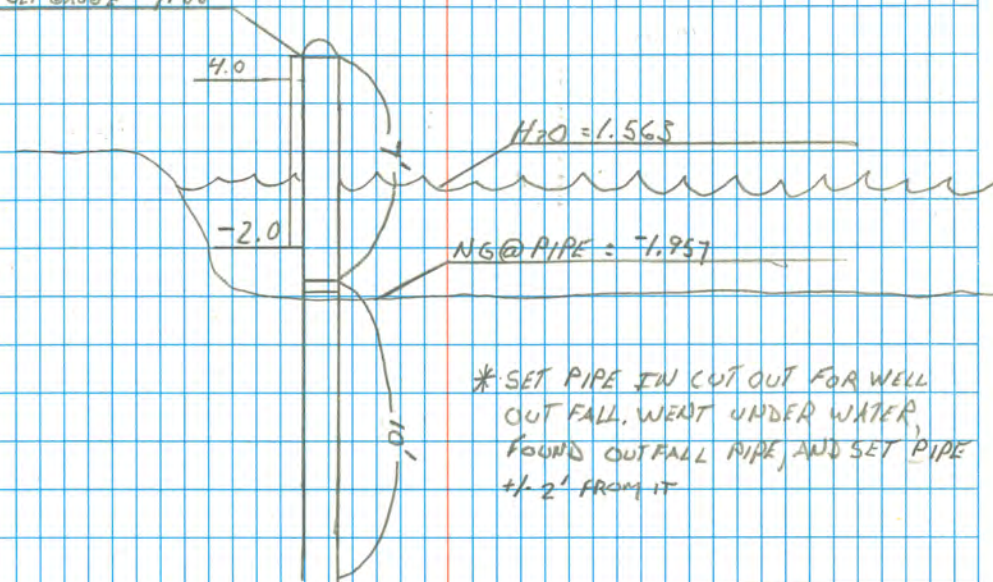
42

DATUM DIFF = 1.56

SFWMD AL DISK STAMPED C26SW1 87 2015

EXISTING TAG PUBLISHED - 10.94

TOP OF SET GAUGE = 4.88



* SET PIPE IN CUT OUT FOR WELL
OUT FALL, WENT UNDER WATER,
FOUND OUTFALL PIPE, AND SET PIPE
+/- 2' FROM IT

* NO EXISTING GAUGE

C26SW1

C-2 R/W P.O.L MARKER

TURN 11 (REF - PAGE 602/45) 10.71 ADS LEVEL ROAD
PER OFFICE

BS - P.I. # 25 (304)

TO P.O.L. (333)

FS - R.I.W. MON. (3357)

1. 170°	04'	23"
2. 352°	06'	41"
AV. 176°	04'	20.5"

BS - P.I. # 25 (304)

TO P.O.L. (333)

FS - R.I.W. MON. (3356)

1. 272°	38'	34"
2. 545°	17'	13"
AV. 272°	38'	36.5"

EDM @ P.O.L. (333) DIST. TO R.I.W. MON. (3356)

FEET	METERS
1. 213.805	65.163
2. .805	.167
3. .805	.167
AV. 213.805	65.1673
MEAN = 213.804	(213.803)

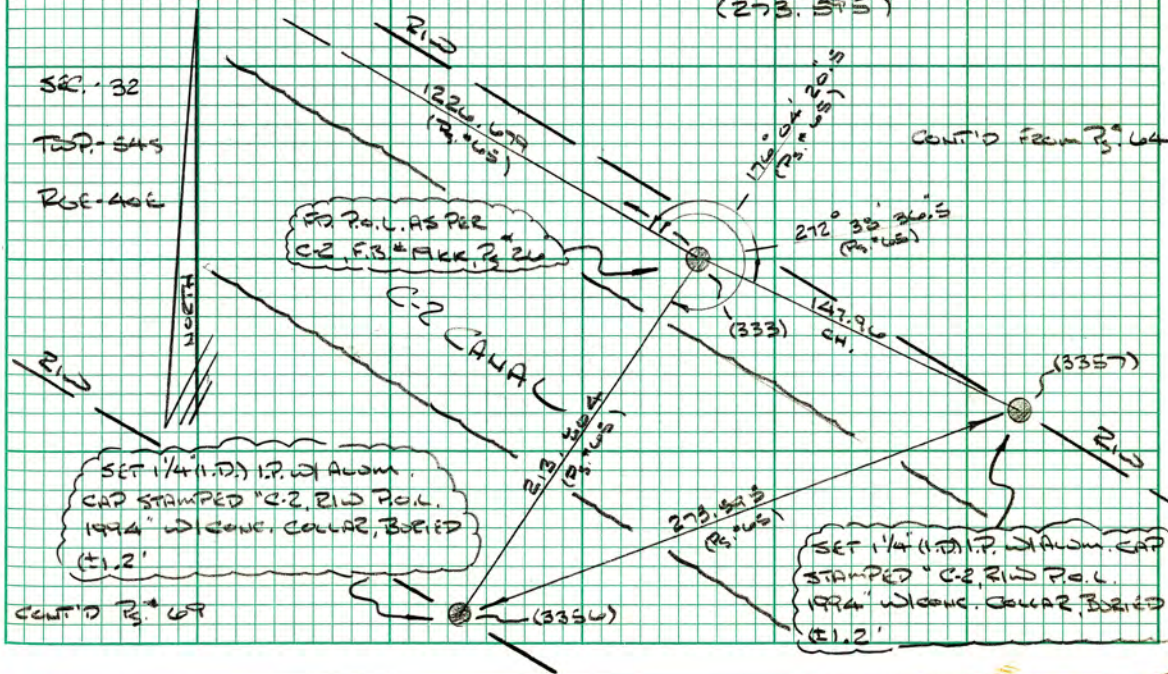
TEMP. 70°
BAR. 30.20
PPM. -6

EDM @ P.O.L. (333) DIST. TO P.I. # 25 (304)

FEET	METERS
1. 1226.650	373.892
2. .650	.192
3. .650	.192
AV. 1226.650	373.892
MEAN = 1226.677	(1226.677)

EDM @ R.I.W. MON. (3357) DIST. TO R.I.W. MON. (3356)

FEET	METERS
1. 273.545	83.392
2. .545	.167
3. .545	.167
AV. 273.545	83.392
	(273.545)



SEL 32 TWP 54 RUG 40

CZGW1
TRANSFER ELEVATION
FROM CZGW SITE

BM	+	HI	-	ELEV
CZRW POL	5.10	10.89		5.793
			4.57	6.32
			4.56	6.33
CZRW POL			5.16	5.79

NAVD 88
ZEISS Ni²
25' ROD

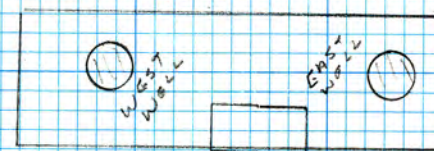
A GRAMMARCO
R HUDSON

FD ALUMN CAP IN CONC STAMPED CZRW POL 1994

W. WELL MARK ON P.V.C. STUB **GW1**

E. WELL MARK ON P.V.C. STUB **GW2**

REFERENCE
DETAIL OF WELLS



□ B.M.
CZRW POL
1994

Office

Project

8 November 2017

INPUT

State Plane, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet
Vertical - NAVD88, U.S. Feet

OUTPUT

Geographic, flhpgn - Florida HPGN
Vertical - NGVD29 (Custom), U.S. Feet

C2 R/W POL 1994

1/1

Northing/Y: 496768.23

Easting/X: 866454.88

Elevation/Z: 0

Convergence: 0 16 36.98508

Scale Factor: 0.999991887

Combined Factor: 0.999995810

Latitude: 25 41 56.07635

Longitude: 80 21 40.98115

Elevation/Z: 1.558

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers

DBHYDRO | by station

STATION INFORMATION

Station	C2GW1_GW1
Site	C2GW1
Type	WELL
Latitude (ddmmss.sss)	254156.13
Longitude (ddmmss.sss)	802140.75
X Coord (ft) NAD83	866475.261
Y Coord (ft) NAD83	496774.237
County	Miami-Dade
Basin	C-2
Section	32
Township	54
Range	40
Show Map	Google Map
Well Info	Info
Description	C2MW-2S, GW MONITORING WELL AT SOUTH SIDE OF C2 CANAL SOUTH OF SW72ND STREET.
Notes	
Nearby Stations	Nearby Stations
Attachments	None Available

Query returned 1 station record(s).

[Get Time Series Data](#)

DBHYDRO | by station

STATION INFORMATION

Station	C2GW1_GW2
Site	C2GW1
Type	WELL
Latitude (ddmmss.sss)	254156.13
Longitude (ddmmss.sss)	802140.75
X Coord (ft) NAD83	866475.261
Y Coord (ft) NAD83	496774.237
County	Miami-Dade
Basin	C-2
Section	32
Township	54
Range	40
Show Map	Google Map
Well Info	Info
Description	C2MW-2D, GW MONITORING WELL AT SOUTH SIDE OF C2 CANAL SOUTH OF SW72ND STREET.
Notes	
Nearby Stations	Nearby Stations
Attachments	None Available

Query returned 1 station record(s).

[Get Time Series Data](#)

REGISTRATION WORKSHEET - C2GW1 Addendum

Site Name: **C2GW1** Today's Date: **11/8/2017** Type Recorder:
 Activity: **Addendum** Effective Date: **8/16/2016** Start Date of Data :
 Customer: **Steve Krupa** Bus. Area: **5720** Agency: **SFWMD** Internal Order:
 Project Manager: **Howard ehmk** Bus. Area: **Surveying & Mapping** Agency: **SFWMD** Fund:
 Project Name: Legal Mandate:

Short Common Name / Description: C2GW1

Proj. Mgr. Notes: This addendum was performed to add NAVD 88 surveying data for the reference elevation. To convert to NGVD 29 add +1.558ft.

Site Directions: From the intersection of SW 72nd Street and SW 107th Avenue, go east on SW 72nd Street and turn right before crossing South Florida Water Management District's Canal 2; Head Southeast paralleling Canal 2, (on the side side) for 0.28 of a mile to a small fenced area approximately 65 feet South of the south top of bank of said Canal2 and Site location.

Site Address (if any):

Transportation: Lock type or combination: #
 Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type:

Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **5.793** Date: **1/1/1994** Stamp: **C2 R/W POL 1994**
 Agency: Datum: **NAVD 88**

Benchmark Location/ Description

COMMUNICATIONS INFORMATION

Communications System: Loggernet Server: Loggernet IP Address:
 Tower: Communication Type: R.F. Code/Modem Address: R.F. Access Point:
 Phone Number:
 RTU Address: Gateways:

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	C2GW1_GW1	6.32	8/16/2016	6.32			5.793	NAVD 88	Black mark on top of well
GW2	C2GW1_GW2	6.33	8/16/2016	6.33			5.793	NAVD 88	Black mark on top of well

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted
GW1								
GW2								

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1					32	54	40			Miami-Dade	
GW2					32	54	40			Miami-Dade	