

Site Name S-356 MW1 GW1		Date of Field Work 10/1/2015
Party Chief Ebanks/Rodriguez	Field Book Name/Number SCADA FB #11	Page Number(s) Pg. 78
Site Benchmark Name S-334 1984	Benchmark Elevation (NAVD88) 12.215ft 12.208	Datum Offset to NGVD29 +1.55
Reference Elevation (NAVD 88) 6.91ft 6.903		Existing Tag Elevation (Datum) N/A (New Well)
Latitude 25° 45' 41.2"		Longitude 80° 30' 04.7"

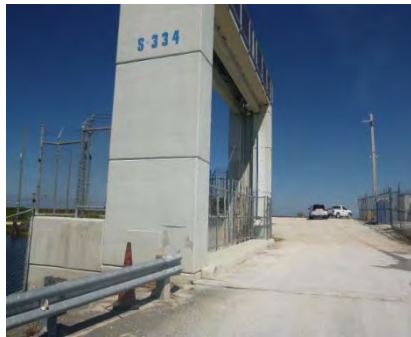
Notes: New GW Wells.

Photographs

Overall Site



Benchmark Location



Benchmark Close Up



Well Close Up



Well + Reference Mark



Staff Gauge (Front View)

Staff Gauge (Side View)

Site Name S-356 MW2 GW2		Date of Field Work 10/1/2015
Party Chief Ebanks/Rodriguez	Field Book Name/Number SCADA FB #11	Page Number(s) Pg. 78
Site Benchmark Name S-334 1984	Benchmark Elevation (NAVD88) 12.215ft 12.208	Datum Offset to NGVD29 +1.55
Reference Elevation (NAVD 88) 6.685ft 6.678	Existing Tag Elevation (Datum) N/A (New Well)	
Latitude 25° 45' 41.2"	Longitude 80° 30' 04.6"	

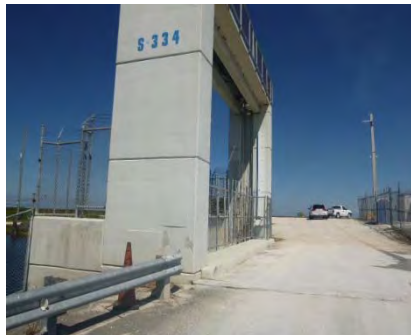
Notes: New GW Wells.

Photographs

Overall Site



Benchmark Location



Benchmark Close Up



Well Close Up



Well + Reference Mark



Staff Gauge (Front View)

Staff Gauge (Side View)

Site Name S-356 MW3 GW3		Date of Field Work 10/1/2015
Party Chief Ebanks/Rodriguez	Field Book Name/Number SCADA FB #11	Page Number(s) Pg. 78
Site Benchmark Name S-334 1984	Benchmark Elevation (NAVD88) 12.215ft 12.208	Datum Offset to NGVD29 +1.55
Reference Elevation (NAVD 88) 6.44ft 6.433	Existing Tag Elevation (Datum) N/A (New Well)	
Latitude 25° 45' 41.3"	Longitude 80° 30' 04.5"	

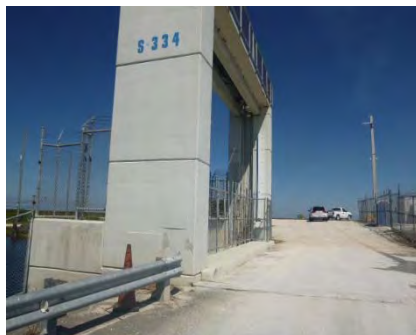
Notes: New GW Wells.

Photographs

Overall Site



Benchmark Location



Benchmark Close Up



Well Close Up



Well + Reference Mark



Staff Gauge (Front View)

Staff Gauge (Side View)

Site Name S-356 MW4 GW4		Date of Field Work 10/1/2015
Party Chief Ebanks/Rodriguez	Field Book Name/Number SCADA FB #11	Page Number(s) Pg. 78
Site Benchmark Name S-334 1984	Benchmark Elevation (NAVD88) 12.215ft 12.208	Datum Offset to NGVD29 +1.55
Reference Elevation (NAVD 88) 7.01ft 7.003		Existing Tag Elevation (Datum) N/A (New Well)
Latitude 25° 45' 41.3"		Longitude 80° 30' 04.8"

Notes: New GW Wells.

Photographs

Overall Site



Benchmark Location



Benchmark Close Up



Well Close Up



Well + Reference Mark



Staff Gauge (Front View)

Staff Gauge (Side View)

Sec. 1 TWP 45 Rge 33 Ebanks Rodriguez

Establish Ref. Elev for T/W well (walkway) @ G-151W

HTA	+	H.I.	-	Elev.	Remarks
BM G-151W 2015	4.26	26.82		22.56	(see pg. 50 this book)
G-151W HYW well			3.58	23.24	(23.24)
G-151W T/W well			2.33	26.49 24.49	(New well)
BM G-151			7.87	18.95	(18.95)

Sec ~~1~~ 2 TWP 54 Rge 38 Ebanks Rodriguez

Obtain Elevation for GW wells @ S 356 (C-4 @ S-334)

HTA	+	H.I.	-	Elev	Remarks
BM h-334	1.10	13.315 13.308		12.215 12.208	(28) 1.555
h-356 MW1			6.405	6.91 6.903	center WEST
h-356 MW2			6.63	6.65 6.678	(CENTER EAST)
h-356 MW3			6.815	6.44 6.433	EAST
h-356 MW4			6.305	7.01 7.003	WEST WELL
MW 1 (GD)			6.25	7.0	
MW 2 (GD)			6.37	7.0	
MW 3 (GD)			6.46	6.9	
MW 4 (GD)			6.14	7.2	
h-334 T/W			4.36	8.955 8.948 + 1.555 10.51	(10.53) (29)

From the "ngvd29.txt" file provided by NGS for the CERP Geodetic Vertical Control Project.
 Line/Part: L26195 SSN+: mark floated, SSN*: mark constrained, SSN#: mark floated & constrained
 Mark ID SSN PID Designation Geopotential Elevation Codes
 804 0025 AJ8366 S 334 4.1136 4.1975

The NGS Data Sheet

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

PROGRAM = datasheet95, VERSION = 8.8
 1 National Geodetic Survey, Retrieval Date = MARCH
 AJ8366 *****
 AJ8366 DESIGNATION - S 334
 AJ8366 PID - AJ8366
 AJ8366 STATE/COUNTY- FL/MIAMI-DADE
 AJ8366 COUNTRY - US
 AJ8366 USGS QUAD - COOPERTOWN (1973)
 AJ8366
 AJ8366 *CURRENT SURVEY CONTROL
 AJ8366
 AJ8366* NAD 83(1986) POSITION- 25 45 41. (N) 080 30 07. (W) SCALED
 AJ8366* [NAVD 88](#) ORTHO HEIGHT - 3.721 (meters) 12.21 (feet) ADJUSTED
 AJ8366
 AJ8366 GEOID HEIGHT - -24.671 (meters) GEOID12B
 AJ8366 DYNAMIC HEIGHT - 3.715 (meters) 12.19 (feet) COMP
 AJ8366 MODELED GRAVITY - 979,030.1 (mgal) NAVD 88
 AJ8366
 AJ8366 VERT ORDER - FIRST CLASS II
 AJ8366
 AJ8366.The horizontal coordinates were scaled from a topographic map and have
 AJ8366.an estimated accuracy of +/- 6 seconds.
 AJ8366.
 AJ8366.The orthometric height was determined by differential leveling and
 AJ8366.adjusted by the NATIONAL GEODETIC SURVEY
 AJ8366.in July 2006.
 AJ8366
 AJ8366.Significant digits in the geoid height do not necessarily reflect accuracy.
 AJ8366.GEOID12B height accuracy estimate available [here](#).
 AJ8366
 AJ8366.[Photographs](#) are available for this station.
 AJ8366
 AJ8366.The dynamic height is computed by dividing the NAVD 88
 AJ8366.geopotential number by the normal gravity value computed on the
 AJ8366.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AJ8366.degrees latitude (g = 980.6199 gals.).
 AJ8366
 AJ8366.The modeled gravity was interpolated from observed gravity values.
 AJ8366
 AJ8366;
 AJ8366; SPC FL E - North East Units Estimated Accuracy
 158,280. 249,960. MT (+/- 180 meters Scaled)
 AJ8366
 AJ8366 SUPERSEDED SURVEY CONTROL
 AJ8366
 AJ8366 NAVD 88 (06/21/02) 3.723 (m) 12.21 (f) SUPERSEDED 1 2
 AJ8366
 AJ8366.Superseded values are not recommended for survey control.
 AJ8366
 AJ8366.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AJ8366.[See file dsdata.txt](#) to determine how the superseded data were derived.
 AJ8366



AJ8366_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ499493 (NAD 83)

AJ8366

AJ8366_MARKER: DD = SURVEY DISK

AJ8366_SETTING: 37 = SET IN A MASSIVE RETAINING WALL

AJ8366_SP_SET: STRUCTURE RETAINING WALL

AJ8366_STAMPING: BM S-334 1984

AJ8366_MARK LOGO: SFLWMD

AJ8366_MAGNETIC: N = NO MAGNETIC MATERIAL

AJ8366_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AJ8366_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AJ8366+SATELLITE: SATELLITE OBSERVATIONS - November 15, 2015

AJ8366

AJ8366	HISTORY	- Date	Condition	Report By
AJ8366	HISTORY	- 1984	MONUMENTED	SFLWMD
AJ8366	HISTORY	- 20001202	GOOD	FLDEP
AJ8366	HISTORY	- 20050317	GOOD	FLDEP
AJ8366	HISTORY	- 20151115	GOOD	GEOCAC

AJ8366

AJ8366 STATION DESCRIPTION

AJ8366

AJ8366'DESCRIBED BY FL DEPT OF ENV PRO 2000 (JLM)

AJ8366'THE MARK IS ABOUT 11.3 MI (18.2 KM) NORTHWEST OF HIALEAH, 25.0 MI

AJ8366'(40.2 KM) NORTH-NORTHWEST OF MIAMI, 18.5 MI (29.8 KM) NORTH OF

AJ8366'HOMESTEAD, IN SECTION 2, TOWNSHIP 54 SOUTH, RANGE 38 EAST. TO REACH

AJ8366'THE MARK FROM THE JUNCTION OF STATE ROAD 997 (KROME AVE SW 177 AVE)

AJ8366'AND U.S. HIGHWAY 41 (TAMIAMI TRAIL SW 8TH ST) ABOUT 10.0 MI (16.1 KM)

AJ8366'SOUTHWEST OF HIALEAH, GO WEST ON U.S. HIGHWAY 41 (TAMIAMI TRAIL SW

AJ8366'8TH ST) FOR 1.3 MI (2.1 KM) TO THE JUNCTION OF AN ACCESS ROAD (WATER

AJ8366'CONTROL STRUCTURE S-334) ON THE RIGHT, TURN RIGHT ON THE ACCESS ROAD

AJ8366'AND GO NORTH CROSSING OVER THE BRIDGE SPANNING A CANAL FOR 0.05 MI

AJ8366'(0.08 KM) TO THE T-JUNCTION OF A LEVEE NUMBER 30, TURN LEFT ON THE

AJ8366'LOWER LEVEE ROAD AND GO WEST FOR 0.05 MI (0.08 KM) TO THE MARK ON THE

AJ8366'LEFT, SET FLUSH IN THE TOP OF THE SOUTH RETAINING WALL OF THE WATER

AJ8366'Structure. LOCATED 99.0 FT (30.2 M) NORTH OF THE CENTERLINE OF U.S.

AJ8366'HIGHWAY 41, 11.5 FT (3.5 M) WEST OF THE APPROXIMATE CENTERLINE OF THE

AJ8366'BRIDGE ROAD AND 2.0 FT (0.6 M) NORTH OF A METAL GUARDRAIL. NOTE FOR

AJ8366'KEY CONTACT SOUTH FLORIDA WATER MANAGEMENT DISTRICT AT 2195 NORTHEAST

AJ8366'8TH STREET HOMESTEAD, FL 33033, PHONE NUMBER 305-242-5955.

AJ8366

AJ8366 STATION RECOVERY (2005)

AJ8366

AJ8366'RECOVERY NOTE BY FL DEPT OF ENV PRO 2005 (JLM)

AJ8366'RECOVERED AS DESCRIBED.

AJ8366

AJ8366 STATION RECOVERY (2015)

AJ8366

AJ8366'RECOVERY NOTE BY GEOCACHING 2015 (KEN)

AJ8366'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:02

REGISTRATION WORKSHEET - S-356 MW Registration

Site Name: **S-356 MW** Today's Date: **10/7/2015** Type Recorder:
 Activity: **Registration** Effective Date: Start Date of Data :
 Customer: **Steve Krupa** Bus. Area: **Hydrogeology** Agency: **SFWMD** Internal Order:
 Project Manager: **E. Ebanks** Bus. Area: **InfrStr.Mgt/Survey** Agency: **SFWMD** Fund:
 Contract #:
 Project Name: Legal Mandate:

Short Common Name / Description:

Proj. Mgr. Notes: Measuring Point ELEV. for four (4) GW Wells.. (NAVD 88 Offset = + 1.55' to NGVD 29)

Site Directions: In Miami Dade... From Krome Ave. / Tamiami Tr. (US 41) .. Go west on US 41 for 1.3 mls to S-334... Site is located 250' +/- East of S-334 on North Bank of Canal (Near TW Well)

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: **Abloy S** #

Recorder Location/Purpose: Structure Type:

Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **12.215ft** Date: **6/6/1984** Stamp: **BM S-334 1984**
 Agency: **SFWMD** Type: **ALUM** Datum: **NAVD 88**

Benchmark Location/ Description: Located at the SE Abutment in line with wheel guard of Structure S-334 (On walkway).

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
MW1		6.91ft	10/1/2015	6.91ft		7.0ft	12.215ft	NAVD 88	Mark Set on Edge of PVC Well .. Under Metal Cover.
MW2		6.685ft	10/1/2015	6.685ft		7.0ft	12.215ft	NAVD 88	Mark Set Edge of PVC Well Under Metal Cover
MW3		6.44ft	10/1/2015	6.44ft		6.9ft	12.215ft	NAVD 88	Mark Set on Rim of PVC Well under Metal Cover.
MW4		7.01ft	10/1/2015	7.01ft		7.2ft	12.215ft	NAVD 88	Mark Set on Rim Of PVC Well Under Metal Cover.

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									
MW1																	
MW2																	
MW3																	
MW4																	

COORDINATE INFORMATION

Item/Param	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
MW1	25 45 41.2	80 30 04.7				1 54	38	Coopertown		Miami/Dade	
MW2	25 45 41.2	80 30 04.6				1 54	38	Coopertown		Miami/Dade	
MW3	25 45 41.3	80 30 04.5				1 54	38	Coopertown		Miami/Dade	
MW4	25 45 41.3	80 30 04.8				1 54	38	Coopertown		Miami/Dade	