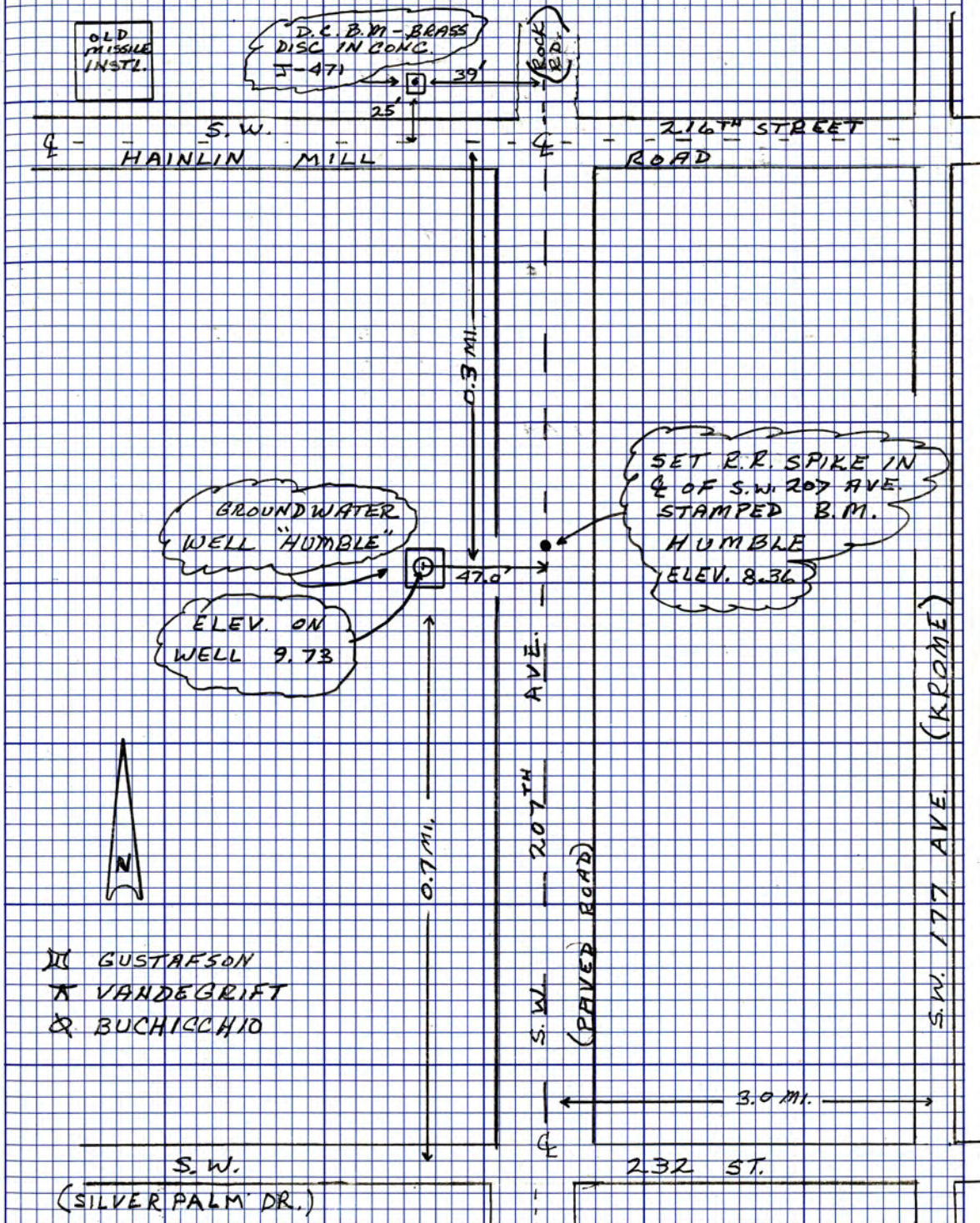


RAN LEVELS TO ESTABLISH ELEVATION ON GROUNDWATER WELL "HUMBLE" IN S.W. DADE Co. PER NANCY LITTLE (DATA MGMT) INSTRUCTIONS. JOB # 930451 WORK REQUEST FORM, ALSO SET PERMANENT BENCH MARK NOTED IN SKETCH.

REFS:

- 1) SIL SERRANO DATA MGMT. COLLECTOR @ HOMESTEAD FIELD STATION
- 2) S.F.W.M.D. "CATALOGUE" OF STRUCTURES, CANALS, STREET MAPS & KEY CONTACTS FOR SO. DADE Co. (DATED 8-26-92 - "ANDREW" ISSUE Pg. #97)
- 3) DADE Co. PUBLIC WORKS - SURVEY DIVISION - ACQUIRED INFORMATION FROM PACIFICO REYES FOR BM IN AREA. 1-305-375-2655.
- 4) BENCH MARK IS A BRASS DISC - STAMPED DC BYM J471 AND IN 1'x1' CONC. MONUMENT, FLUSH WITH GRND. SURFACE.

SEC. 16 #9 TWP. 56 S RGE. 38 E



- ⊞ GUSTAFSON
- ✱ VANDEGRIFT
- ⊗ BUCHICCHIO

SET R.R. SPIKE IN C/ OF S.W. 207 AVE. STAMPED B.M. HUMBLE ELEV. 8.36

GROUNDWATER WELL "HUMBLE" ELEV. ON WELL 9.73



SEC.	1639	TWP.	56S	RGE.	38E
STA.	+	HI	-	ELEV.	BM ELEV.
BM					7.13
	4.74 (8.92)	11.87			
TP			4.39 (9.27)	7.48	
	5.19 (8.46)	12.67			
TP			4.95 (8.77)	7.72	
	4.88 (8.78)	12.60			
TP			4.63 (9.03)	7.97	
	4.80 (8.85)	12.77			
BM HUMBLE			4.41 (9.25)	8.36	(8.36)

RETURN RUN LEVELS

BM HUMBLE	4.38 (9.27)	12.74			
TP			4.81 (9.35)	7.93	
	4.65 (9.00)	12.58			

JD

DADE Co. BM - J 471 - SEE REF. #3, Pg. # 44

BM "HUMBLE" - R.R. SPIKE IN E OF S.W. 207th AVE.

SEE ABOVE ↗

SEC.	1639	TWP.	565	RGE.	38E
STA.	+	HI	-	ELEV.	BM ELEV.
		12.58			
TP			4.89 (8.76)	7.69	
	4.85 (8.86)	12.54			
TP			5.09 (8.56)	7.45	
	4.45 (9.20)	11.90			
BM			4.77 (8.88)	7.13 ✓	(7.13)

ESTABLISH ELEV. ON GROUNDWATER WELL "HUMBLE"

BM HUMBLE					(8.36)
	4.73 (8.93)	13.09			
"WELL"			3.36 (10.29)	9.73 ✓	(9.73)

JD

DCBM - J 471 - Pg.# 45

BM HUMBLE - PER Pg.# 45 (SKETCH ON Pg.# 44)
(R.R. SPIKE)

ELEV. - ON GROUNDWATER WELL HUMBLE - ESTABLISHED ON BLACK-BOXED MARK ON WOOD RECORDING PLATFORM INSIDE ROUND METAL HOUSING.

SEC. 9, 16

TWP. 56 S

RGE. 38 E

LEVELS TO ESTABLISH ELEVATION ON WATER LEVEL RECORDER LOCATED IN JAMES HUMBLE'S GROVE @ 22020 S.W. 207TH. AVE. IN DADE Co. 1581' SOUTH OF ϕ OF S.W. 216TH. ST. AND 46' WEST OF ϕ OF S.W. 207TH. AVE.

STA.	+	H. I.	-	ELEV.
B.M.				7.13
	4.82	11.95		
	2.45			
TP			4.38	7.57
			2.89	
	4.32	11.89		
	2.95			
TP			4.52	7.37
			2.75	
	4.64	12.01		
	2.63			
TP			4.26	7.75
			3.01	
	4.70	12.45		
	2.57			
TP			4.29	8.16
			2.98	
	4.01	12.17		
	3.26			

8-22-84
 KG
 CHARTON
 GRAHAM
 PICKRON
 GUSTAFSON

DADE Co. BENCH MARK WHICH IS A BRASS DISK IN CONC. STAMPED J-471 LOCATED IN THE N.W. COR. OF THE INTERSECTION OF S.W. 216TH. ST. AND S.W. 207TH. AVE. IN SEC. 9 56/32

SEC. 9, 16

Twp. 56 S

RGE. 38 E

STA.	+	H. I.	-	ELEV.
		12.17		
T.B.M.			3.58 3.69	8.59
	3.69 3.58	12.28		
T.B.M.			0.95 6.32	11.33
		RETURN LEVELS		
	0.96 6.31	12.29		
TP			4.14 3.13	8.15
	4.71 2.56	12.86		
TP			5.24 2.03	7.62
	4.89 2.38	12.51		
TP			5.18 2.09	7.33
	4.96 2.31	12.29		
TP			5.01 2.26	7.28
	5.29 1.98	12.57		
B.M.			5.45 1.82	7.12 (7.13)

8-22-84
~~M~~ CHARLTON
~~A~~ GRAHAM
~~S~~ PICKRON
~~S~~ GUSTAFSON

DOUBLE SPIKE SET IN THE SOUTH GATE POST @ THE ENTRANCE TO JAMES HUMBLE GROVE @ 22020 S.W. 207TH AVE. AND 6' EAST OF WATER LEVEL RECORDER ON HUMBLE PROPERTY IN SEC. 16 56/38

SQUARE BOX WITH "X" MARK ON PLATFORM OF WATER LEVEL RECORDER LOCATED IN THE JAMES HUMBLE GROVE @ 22020 S.W. 207TH AVE. 6' WEST OF THE SOUTH GATE POST @ THE ENTRANCE TO HUMBLE GROVE AND 1581' SOUTH OF THE C. OF S.W. 216TH ST. IN SEC. 16 56/38 AND 6' S. OF C. RD. THRU GROVE



M.P.
Elev. 9.73



Rugged Cable

24 AWG/6 80°C 300V

09111

STN HUMBLE GW
ELEV. 9.73
DATE 8 7 13
BY EE JB
NAVD NGVD 29





S

6:00 9.73
5.24

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Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By: **

Designation	BMHUMBLE	Record State	ACCEPTED
NGS PID			
Project Name	HUMBLE WELL SITE	Date Entered/Updated	12/02/2015
Updated By	ehmke	Status	
Party Chief	GUSTAFSON, FRANK	Type	V
Monument Set By	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	Date Established	
County	MIAMI-DADE COUNTY	Section	16
Township	56	Range	38
Quadrangle		Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	<u>NAD 1927</u>	<u>NAD 1983</u>	<u>Vertical</u>	<u>NGVD 1929</u>	<u>NAVD 1988</u>
Latitude		25 33 37.18	Class		
Longitude		80 31 36.93	Order		
Northing(Y)			Elevation	8.36	
Easting(X)			Measurement Unit	Feet	
Class					
Order					
NAD83 Adj Year					

Field Book
Dade County Structure Book 1

Field Book Pages
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Stamping
BM Humble ELEV. 8.36

How to Reach
From the intersection of S.W.177 Avenue (Krome) and 232nd Street (Silver Palm Drive), go West on 232nd Street 3.0 miles to S.W. 207th Avenue; turn right and go North on S.W.207th Avenue 0.7 of a mile to station location in the centerline of the road.
The station is 47 feet East of Groundwater well Humble and stamped BM HUMBLE ELEV. 8.36.
Source Benchmark Dade County J471.

Description
Railroad Spike

DISCLAIMER:
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Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By: **

Designation	J471	Record State	ACCEPTED
NGS PID			
Project Name	HUMBLE WELL SITE	Date Entered/Updated	12/03/2015
Updated By	ehmke	Status	
Party Chief	GUSTAFSON, FRANK	Type	V
Monument Set By	MIAMI-DADE COUNTY	Date Established	
County	MIAMI-DADE COUNTY	Section	9
Township	56	Range	38
Quadrangle	GROSSMAN HAMMOCK	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	<u>NAD 1927</u>	<u>NAD 1983</u>	<u>Vertical</u>	<u>NGVD 1929</u>	<u>NAVD 1988</u>
Latitude		25 33 53.16	Class		
Longitude		80 31 37.49	Order		
Northing(Y)			Elevation	7.13	
Easting(X)			Measurement Unit	Feet	
Class					
Order					
NAD83 Adj Year					

Field Book

Dade County Structure Book 1

Field Book Pages

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Stamping

DC BM J471

How to Reach

Miami-Dade County Locator number 6832

Elevation 7.13 NGVD29

Located at the intersection of S.W. 216 Street and SW 207th Avenue; 24.5 feet (25) North of the centerline S.W. 216th Street (Hainlin Mill Road); 39 feet West of the centerline of S.W. 207th Avenue projected from the South; 45.0 feet Northwest of an iron pipe in intersection;

9.2 feet West of a Arvida sign post; 5.2 feet North of a utility pole with guy anchor.

A brass disc in a 1 x1 Concrete monument, flush with the ground.

Description

A brass disc in a 1 x1 Concrete monument, flush with the ground.

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REGISTRATION WORKSHEET - HUMBLE Field Certification

Site Name: **HUMBLE** Today's Date: **8/12/2013** Type Recorder: **CR10**
 Activity: **Field Certification** Effective Date: Start Date of Data :
 Customer: **L. Hennick/SCADA Cr10 Mo** Bus. Area: **SCADA** 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: Addendum for Certification of Surveying Data for REF. ELEV.

Site Directions: In Homestead... From the Intersection of Hainlin Mill Rd. (SW 216th St.) and SW 207th Ave. Go South on SW 207th Ave for Approx. 0.30ml to Grove Gate on Right.... Well is Located at Gate...

Site Address (if any):

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

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: **Existing Structure**

Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **7.13ft** Date: Stamp: **J-471**
 Agency: **DADE** Type: **BRASS** Datum: **NGVD 29**

Benchmark Location/ Description: Located 24.5ft North of the C/L of SW216th St... 39ft West of the C/L of SW 207th Ave. .. 45ft North of Iron Pipe in Intersection 9.2ft North of "Arvida" Sign Post.. 5.2ft North of Utility Pole with Guy Wire... Mark is Brass Bar in Concrete Mon...

COMMUNICATIONS INFORMATION

Communications System: **Loggernet** Loggernet Server: **0** Loggernet IP Address:
 Tower: **ACMET** 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		9.73ft	8/7/2013	9.73ft			7.13ft	NGVD 29	Mark Top of Well Platform... denoted by Brass Tag..

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																	

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	25 33 37	80 31 37			16	56	38			Miami/Dade	