```
Identification_Information:
        Citation:
                Citation_Information:
                        Originator: Mike J. Bartholomew
                        Publication_Date: Unpublished material
                        Publication_Time: Unknown
                        Title: East Coast Aquifer Monitoring Wells (M1085)
                        Edition: 1.0
                        Series_Information:
                        Publication_Information:
                        Larger_Work_Citation:
                                Citation_Information:
                                        Series_Information:
                                        Publication_Information:
        Description:
                Abstract: Indiantown, Florida
                Purpose:
                        To establish elevations on a disc set adjacent to the
                        well and provide the results in NAVD-88 format in
                        accordance with the CERP height modernization program.
                Supplemental_Information:
                        Access to site is gained from the intersection of Warfield
                        Blvd. (SR-710) and Kanner Hwy (SR-76).
        Time_Period_of_Content:
                Time_Period_Information:
                        Single_Date/Time:
                        Range_of_Dates/Times:
                                Beginning_Date: 20060103
                                Ending_Date: 20060104
                        Multiple_Dates/Times:
                Currentness_Reference: Date and Time Range of Field/Office Work
        Status:
                Progress: Complete
                Maintenance_and_Update_Frequency: Unknown
        Spatial_Domain:
                Bounding_Coordinates:
                        West_Bounding_Coordinate: -080°28'59"
                        East_Bounding_Coordinate: -080°28'59"
                        North_Bounding_Coordinate: +26°59'28"
                        South_Bounding_Coordinate: +26°59'28"
        Keywords:
                Theme:
                        Theme_Keyword_Thesaurus: None
                        Theme_Keyword: Well Site
                        Theme_Keyword: MARTIN
                        Theme_Keyword: M1085
                Place:
                        Place_Keyword_Thesaurus: None
                        Place_Keyword: Well Site
                        Place_Keyword: Martin County, Florida
                        Place_Keyword: Consolidated Citrus Group Grove
                        Place_Keyword: Sec.13 , Twp. 40S, Rge 38E
                Stratum:
                Temporal:
        Access_Constraints: None
        Use_Constraints: None
        Point_of_Contact:
                Contact_Information:
                        Contact_Person_Primary:
                                Contact_Person: Elvie Ebanks
                                Contact_Organization: South Florida Water Management
District
                        Contact_Organization_Primary:
                        Contact_Position: Project Manager
                        Contact_Address:
                                Address_Type: mailing and physical address
                                Address: 3301 Gun Club Road
                                City: West Palm Beach
                                State_or_Province: Fl
                                Postal_Code: 33406
```

Mike J. Bartholomew
Biscayne Engineering

Purpose

Survey Date

Elvie Ebanks
SFWMD

Country: USA
Contact_Voice_Telephone: (561) 753-2400 x4717
Contact_Facsimile_Telephone: (561) 791-4093
Security_Information:
Cross_Reference:
Citation_Information:
Series_Information:
Publication_Information:
Data_Quality_Information:
Attribute_Accuracy:
Attribute_Accuracy_Report:

Equipment Used

This Survey was prepared using GPS and Leveling instruments. The horizontal location of the well was established using GPS. The vertical data was collected using level Wild NA-2. Coordinates are based on the Florida State Plane Coordinate System, East Zone, NAD 83/90. Elevations based on NAVD88

Logical_Consistency_Report:
Horizontal data was established using NGS control points AJ8237 (A522) and AJ8240 (D522). Vertical data was established using NGS benchmarks AJ8242 (F522) and AJ8241 (E522). Coordinates are based on the Florida State Plane Coordinate System, East Zone, NAD 83/90. Elevations are based on NAVD88.
Completeness_Report:

Project Results

Horizontal location taken at approximate center of well.
Lat. +26°59'28.351"
Long. -080°28'58.726"
N 966320.482
E 824533.118
New leveled elevations.
New site benchmark "M1085" is a standard S.F.W.M.D. brass disc in the concrete encasement for tape down well.
Disc elevation is 25.14' (NAVD88).
elevation is 26.44' (NGVD29)
Top of pipe elevation is 24.74' (NAVD88)
elevation is 26.04' (NGVD29)
based on NGS NAVD88 adjustment of vertical network.
Origin of NAVD88 elevation for BM "M1085" and well "M1085" is closed bench level circuit through NGS benchmarks AJ8242 (F522) and AJ8241 (E522).
NGVD29 Elevations determined at well site vicinity by adding a constant (C) to the measured NAVD88 values. The constant was derived by comparing the published NAVD88 value of 31.08 feet at benchmark AJ8242 with an NGVD-29 value of 32.38 feet; per the NGS Adjustment of the CERP Geodetic Vertical Control Project, as provided by SFWMD. C equals 32.38 feet - 31.08 feet equals 1.30 feet. Well is situated South of Kanner Hwy (SR-76), and West of Warfield Blvd. (SR-710) on the Consolidated Citrus Group Grove property, Martin County, Florida. TO REACH the well from the intersection of SR-710 and SR-76, travel West on SR-76 for 1.8 miles to the entrance of Consolidated Citrus Group Grove. Thence turn left and travel South on a dirt road through the grove for 1.1 miles along the east side of the drainage ditch. The well is on the west side of the ditch at the base of an orange post. Well is a 2-1/2" diameter steel pipe 0.1' below ground, lying 9.5 feet (more or less) West of the West edge of another dirt road which lies West of the drainage ditch. Benchmark is a brass SFWMD disc lying 7.0 feet West of the West edge of said dirt road which lies West of the drainage ditch, 8' North of a blue and orange irrigation valve, and 3' East of an Orange PVC pipe protuding from the ground.
Positional_Accuracy:
Horizontal_Positional_Accuracy:
Horizontal_Positional_Accuracy_Report:
The horizontal position of the well "M1085" was

Horizontal

established using differential GPS. NGS points AJ8237 (A522) and AJ8240 (D522) were used as a source of horizontal control.

Quantitative_Horizontal_Positional_Accuracy_Assessment:
Horizontal_Positional_Accuracy_Value: 1 meter
Horizontal_Positional_Accuracy_Explanation: The intended horizontal positional accuracy for this survey is 1 meter.

Vertical_Positional_Accuracy:
Vertical_Positional_Accuracy_Report:

Level Line

A level line was run originating on NGS control point AJ8242 (F522) with NAVD-88 elevation, running through well and disc "M1085" and terminated on point AJ8241 (E522) in accordance with Florida Minimum Technical Standards.

Quantitative_Vertical_Positional_Accuracy_Assessment:
Vertical_Positional_Accuracy_Value: 0.02 feet
Vertical_Positional_Accuracy_Explanation: A bench level circuit was performed between AJ8242 (F522) and AJ8241 (E522), running through well "M1085" in accordance with Florida Minimum Technical Standards (Chapter 61g17-6, FAC). Length of benchmark run is 3.36 miles. Allowable error is 0.10 feet. Achieved Accuracy is 0.02 feet.

Lineage:
Source_Information:
Source_Citation:
Citation_Information:
Series_Information:
Publication_Information:
Larger_Work_Citation:
Citation_Information:
Series_Information:
Publication_Information:
Source_Time_Period_of_Content:
Time_Period_Information:
Single_Date/Time:
Range_of_Dates/Times:
Multiple_Dates/Times:
Process_Step:
Process_Description:
The horizontal work was performed using Ashtech GPS recievers. The vertical work was performed using level Wild N-A2.
Process_Date: 20060106
Process_Time: 09000000
Process_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Organization_Primary:
Contact_Address:
Spatial_Data_Organization_Information:
Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Planar:
Map_Projection:
Albers_Conical_Equal_Area:
Azimuthal_Equidistant:
Equidistant_Conic:
Equirectangular:
General_Vertical_Near-sided_Perspective:
Gnomonic:
Lambert_Azimuthal_Equal_Area:
Lambert_Conformal_Conic:
Mercator:
Modified_Stereographic_for_Alaska:
Miller_Cylindrical:
Oblique_Mercator:
Oblique_Line_Point:
Orthographic:
Polar_Stereographic:
Polyconic:

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                                        Robinson:
                                        Sinusoidal:
                                        van_der_Grinten:
                                        Space_Oblique_Mercator_(Landsat):
                                        Stereographic:
                                        Transverse_Mercator:
                                        van_der_Grinten:
                                Grid_Coordinate_System:
                                        Universal_Transverse_Mercator:
                                                Transverse_Mercator:
                                        Universal_Polar_Stereographic:
                                                Polar_Stereographic:
                                        State_Plane_Coordinate_System:
                                                Lambert_Conformal_Conic:
                                                Transverse_Mercator:
                                                Oblique_Mercator:
                                                        Oblique_Line_Point:
                                                Polyconic:
                                        ARC_Coordinate_System:
                                                Equirectangular:
                                                Azimuthal_Equidistant:
                                Local_Planar:
                                Planar_Coordinate_Information:
                                        Coordinate_Representation:
                                        Distance_and_Bearing_Representation:
                        Local:
                        Geodetic_Model:
                Vertical_Coordinate_System_Definition:
                        Altitude_System_Definition:
                        Depth_System_Definition:
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        Detailed_Description:
                Entity_Type:
                Attribute:
                        Attribute_Domain_Values:
                        Attribute_Value_Accuracy_Information:
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Distribution_Information:
        Distributor:
                Contact_Information:
                        Contact_Person_Primary:
                        Contact_Organization_Primary:
                        Contact_Address:
        Standard_Order_Process:
                Digital_Form:
                        Digital_Transfer_Information:
                        Digital_Transfer_Option:
                                Online_Option:
                                        Computer_Contact_Information:
                                                Network_Address:
                                                Dialup_Instructions:
                                OffLine_Option:
                                        Recording_Capacity:
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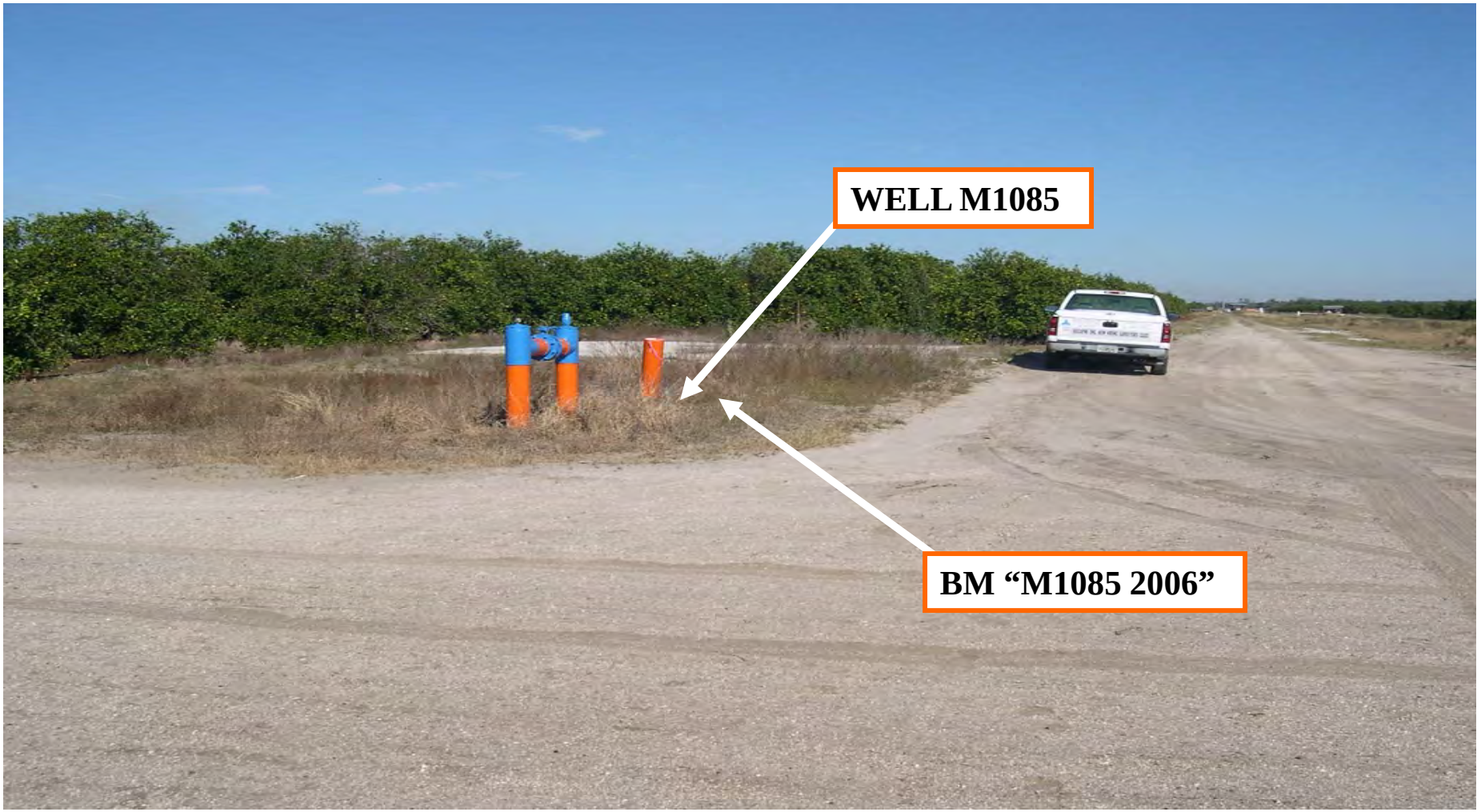
                Time_Period_Information:
                        Single_Date/Time:
                        Range_of_Dates/Times:
                        Multiple_Dates/Times:
Metadata_Reference_Information:
        Metadata_Date: 20060106
        Metadata_Contact:
                Contact_Information:
                        Contact_Person_Primary:
                                Contact_Person: Mike J. Bartholomew
                                Contact_Organization: Biscayne Engineering Company, Inc.
                        Contact_Organization_Primary:
                        Contact_Position: Project Surveyor
                        Contact_Address:
                                Address_Type: mailing and physical address
                                Address: 529 W. Flagler Street
```

City: Miami
State_or_Province: Fl
Postal_Code: 33130
Country: USA
Contact_Voice_Telephone: (305) 324-7671
Contact_Facsimile_Telephone: (305) 324-0809
Contact_Electronic_Mail_Address: mikeb@biscayneengineering.com
Hours_of_Service: 8:00 AM to 5:00 PM EST
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: 1.0
Metadata_Time_Convention: Local time
Metadata_Security_Information:

M-1085

Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Looking South at intersection of Kanner Hwy & dirt road.

M-1085

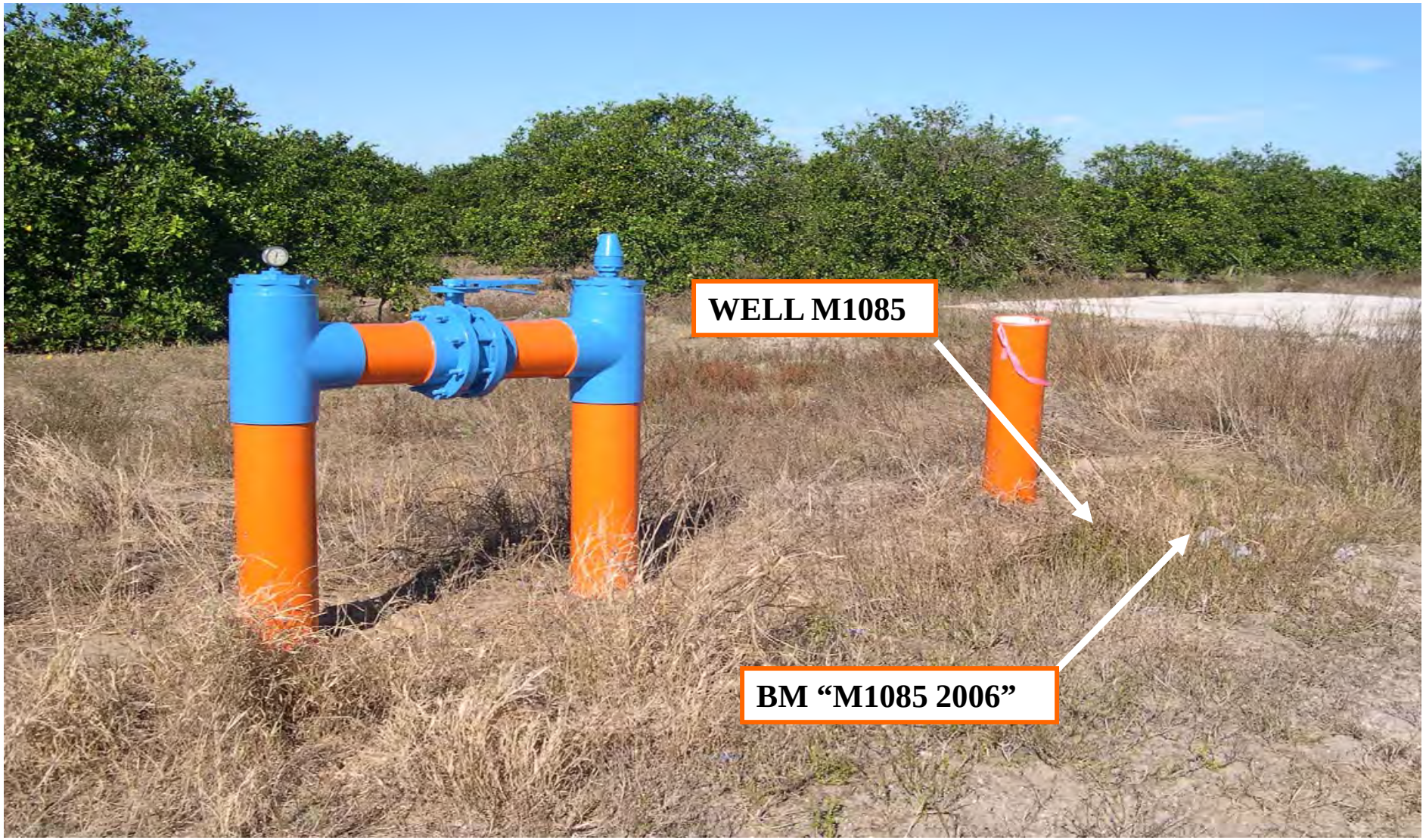


Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Looking Northwest at intersection of dirt roads.
Well M-1085 & BM “M1085 2006” near Orange PVC Pipe.

M-1085

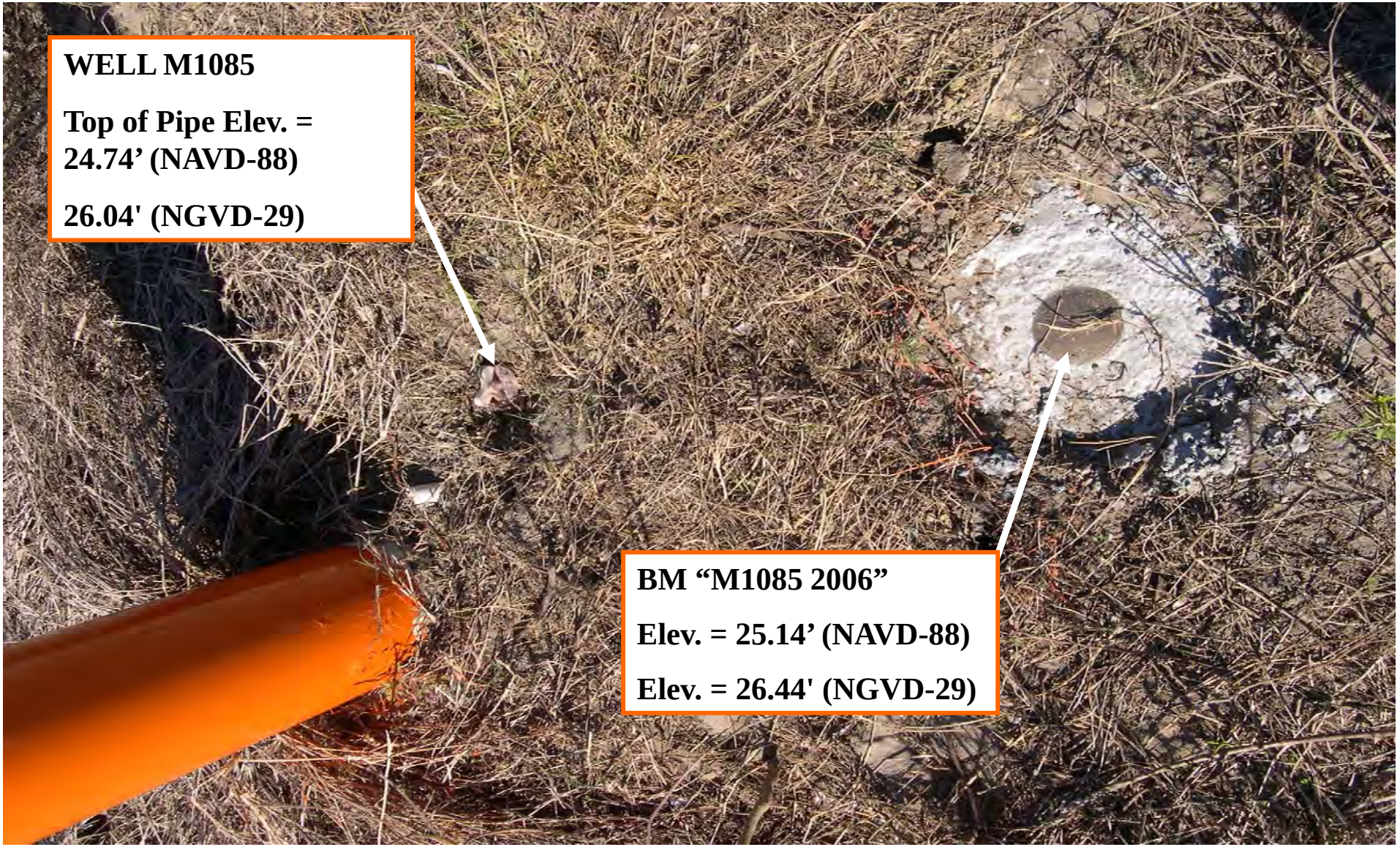
Biscayne Engineering Company, Inc.
Date of Photo: 09-12-05
View: Looking Northwest.

M-1085



Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Looking Northwest. Well M-1085 & BM “M1085 2006”.

M-1085



Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Well M-1085 & BM “M1085 2006”

M-1085

Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Well M-1085

M-1085

Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Well M-1085

M-1085

Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: BM “M1085 2006”

M-1085

Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Benchmark “M1085 2006”

M-1085

BM “M1085 2006”

Elev. = 25.14’ (NAVD-88)

Elev. = 26.44' (NGVD-29)

Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Benchmark “M1085 2006”

M-1085

BM “M1085 2006”

Elev. = 25.14’ (NAVD-88)

Elev. = 26.44' (NGVD-29)

Biscayne Engineering Company, Inc.
Date of Photo: 01-15-06
View: Benchmark “M1085 2006”

A. REDERO
T. LOPEZ
L. BALLESTEROS

12/30/05

#03-77616
S.F.W.M.D
"SITE-K"
(ESTABLISH ELEV ON WELL M-1252)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
							√23.51
	6.930						
BM	5.565	5.565	29.075	✓			
	4.200						
				5.780			
TP#1				4.240	4.240	24.835	✓
				2.700			
	7.040						
SHAKE	5.270	5.270	30.105	✓			
	3.500						
				6.740			
TP#2				5.140	5.140	24.965	✓
				3.540			
	6.440						
SHAKE	4.790	4.790	29.755	✓			
	3.140						
				7.010			
TP#3				5.180	5.180	24.575	✓
				3.350			
	4.310						
SHAKE	3.450	3.450	28.025	✓			
	2.590						
				5.395			
TP#4				3.515	3.515	24.51	✓
				1.635			

DESC
NGS # AJ 8237 (A 522) NAVD 88
BRASS D. IN CONC. MON.
STAMPED A 522 2001 CERP

CUT NL

CUT NL

CUT NL

CUT NL

MAG NL & W

MAG NL & W

REBAR

SAME CREW

12/30/05

#03-77616
S.F.W.M.D
" SITE-K "
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	10.860			✓			
SHAKE	10.600	10.600	35.110				
	10.340						
				0.805			
TP#5				0.620	0.620	34.490	✓
				0.435			
	4.950						
SHAKE	3.465	3.465	37.955	✓			
	1.980						
				14.390			
TP#6				12.470	12.470	25.485	✓
				10.550			
	6.370						
SHAKE	4.120	4.120	29.605	✓			
	1.870						
				6.610			
TP#7				4.730	4.730	24.875	✓
				2.850			
	6.340						
SHAKE	5.190	5.190	30.065	✓			
	4.040						
				6.030			
TP#8				4.120	4.120	25.945	✓
				2.210			
	7.135						
SHAKE	5.035	5.035	30.980	✓			
	2.935						

DESC

REBAR

WOODEN STAKE

WOODEN STAKE

80 D SPIKE

80 D SPIKE

80 D SPIKE

80 D SPIKE

80 D SPIKE

80 D SPIKE

2564/03

SAME CREW — #03-77616 S.F.W.M.D. — 12/30/05 — "SITE-K" (ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV.	DESC
				7.330				
TP#9				5.385	5.385	25.595	✓	80 D SPIKE
				3.440				
	6.130							
SHAKE	4.315	4.315	29.910	✓				80 D SPIKE
	2.500							
				6.640				
TP#10				4.835	4.835	25.075	✓	80 D SPIKE
				3.030				
	8.080							
SHAKE	6.020	6.020	31.095	✓				80 D SPIKE
	3.960							
				8.660				
TP#11				6.370	6.370	24.725	✓	80 D SPIKE
				4.080				
	6.890							
SHAKE	4.635	4.635	29.360	✓				80 D SPIKE
	2.380							
				6.850				
TP#12				4.515	4.515	24.845	✓	80 D SPIKE
				2.180				
	6.900							
SHAKE	4.335	4.335	29.180	✓				80 D SPIKE
	1.770							
				6.950				
TP#13				5.010	5.010	24.170	✓	80 D SPIKE
				3.070				

2564/04

A. REDERO
T. LOPEZ
A. FERNANDEZ
1/3/06

#03-77616
S.F.W.M.D.
"SITE-K"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	7.655							
SHAKE	5.525	5.525	29.695	✓				80 D SPIKE
	3.395							
				8.355				
DISC M-1252				6.365	6.365	23.330	✓	SET S.F.W.M.D DISC STAMPED M-1252 2006
				2.875				
	7.085							
SHAKE	5.975	5.975	29.305	✓				" "
	4.865							
				7.320				
WELL M-1252				6.115	6.115	23.190	✓	TOP OF PIPE "PVC" M-1252
				4.910				
	8.915							
SHAKE	6.325	6.325	29.515	✓				" "
	3.735							
				7.470				
TP #14				5.340	5.340	24.175	✓	80 D SPIKE
				3.210				
	6.910							
SHAKE	4.970	4.970	29.145	✓				80 D SPIKE
	3.030							
				6.860				
TP #15				4.300	4.300	24.845	✓	80 D SPIKE
				1.740				
	7.050							
SHAKE	4.715	4.715	29.560	✓				80 D SPIKE
	2.380							

2564 /05

SAME CREW

1/3/06

#03-7761C
S.F.W.M.D.
"SITE-K"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				7.090				
TP#16				4.835	4.835	24.725	✓	80 D SPIKE
				2.580				
	8.620							
SHAKE	6.330	6.330	31.055	✓				80 D SPIKE
	4.040							
				8.030				
TP#17				5.975	5.975	25.08	✓	80 D SPIKE
				3.920				
	6.760							
SHAKE	4.955	4.955	30.035	✓				80 D SPIKE
	3.150							
				6.250				
TP#18				4.440	4.440	25.595	✓	80 D SPIKE
				2.630				
	7.380							
SHAKE	5.440	5.440	31.035	✓				80 D SPIKE
	3.500							
				7.190				
TP#19				5.090	5.090	25.945	✓	80 D SPIKE
				2.990				
	6.010							
SHAKE	4.100	4.100	30.045	✓				80 D SPIKE
	2.190							
				6.320				
TP#20				5.170	5.170	24.875	✓	80 D SPIKE
				4.020				

2564/06

SAME CREW

#03-77616
S.F W M.D

1/3/06

"SITE-K"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	6.580							
SHAKE	4.700	4.700	29.575	✓				80 D SPIKE
	2.820							
				6.345				
TP#21				4.100	4.100	25.475	✓	80 D SPIKE
				1.955				
	14.030			✓				
SHAKE	12.110	12.110	37.585					80 D SPIKE
	10.19							
				4.580				
TP#22				3.100	3.100	34.485	✓	WOODEN STAKE
				1.620				
	1.300							
SHAKE	1.115	1.115	35.600	✓				WOODEN STAKE
	0.930							
				11.360				
TP#23				11.100	11.100	24.500	✓	REBAR
				10.840				
	5.550							
SHAKE	3.670	3.670	28.170	✓				REBAR
	1.790							
				4.460				
TP#24				3.600	3.600	24.570	✓	MAG NL & W
				2.740				
	6.090							
SHAKE	4.470	4.470	29.040	✓				MAG NL & W
	2.850							

2564/07

SANE #03-7716
CREW S.F.W.M.D
1/3/06 "SITE-K"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
				6.110			
TP#25				4.220	4.220	24.820	✓
				2.330			
	5.755						
SHAKE	3.835	3.835	28.655	✓			
	1.915						
				5.950			
TP#26				3.870	3.870	24.785	✓
				1.790			
	6.170						
SHAKE	3.835	3.835	28.620	✓			
	1.500						
				5.410			
TP#27				3.590	3.590	25.030	✓
				1.770			
	6.430						
SHAKE	4.520	4.520	29.550	✓			
	2.610						
				8.880		✓	
BM				6.820	6.820	22.730	22.730
				4.760		✓	✓

ERR = 0.000

DESC
CUT NL
CUT NL
CUT NL
CUT NL
CUT NL
CUT NL

NGS # AJ 8238 (B522) NAVD 88
BRASS D. IN CONC MON.
STAMPED B522 2001 CERP

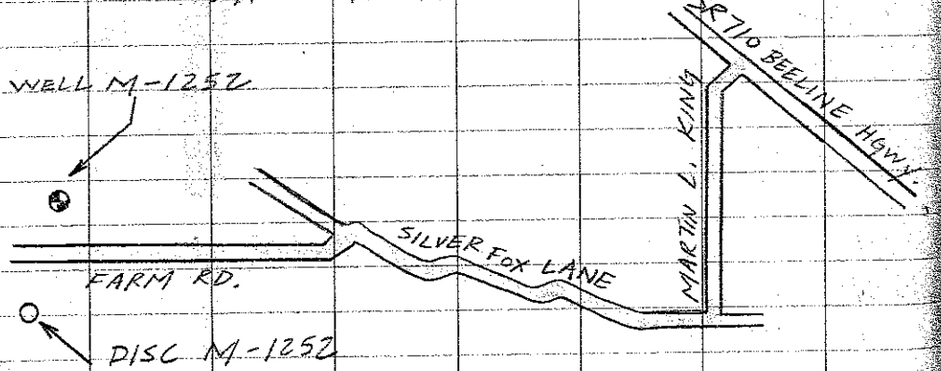
SAME CREW

1/3/06

#03-77616
S.F.W.M.D

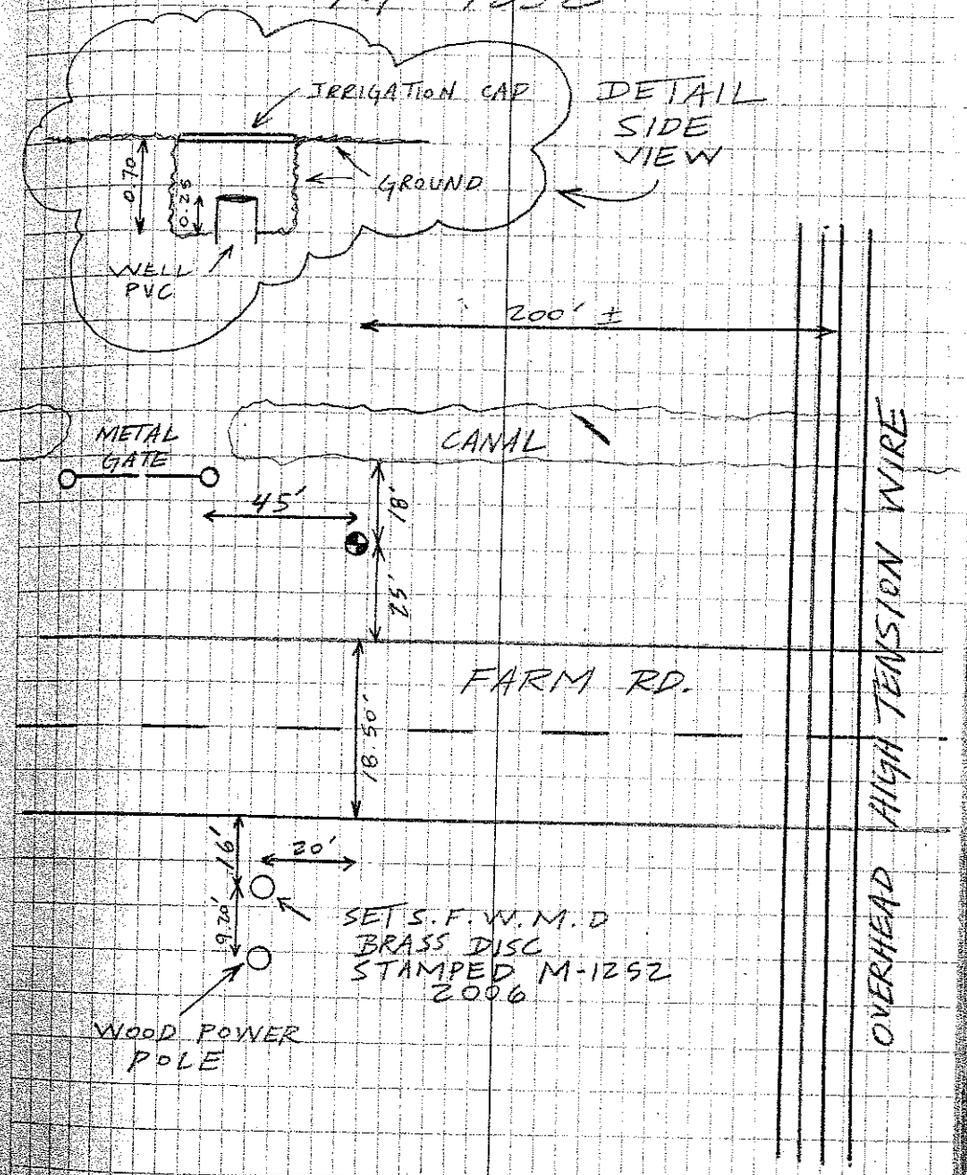
(SITE-K DESCRIPTION)

DIRECTIONS- IN INDIANTOWN FROM THE INTERSECTION OF MARTIN LUTHER KING BLVD AND SR-710 TRAVEL SOUTH FOR 0.7 MILES TO THE INTERSECTION OF "MLK" BLVD AND SILVER FOX LANE. TURN RIGHT AND TRAVEL WEST FOR 1.7 MILES TO THE FORK IN THE ROAD OF SILVER FOX AND FARM RD. TURN LEFT AND TRAVEL WEST ON FARM RD. FOR 2.3 MILES TO THE WELL ON YOUR RIGHT ON THE NORTHERN ROADSIDE EASEMENT 20' FROM N. EOP.



2564/08

SKETCH OF WELL SITE
M-1252



SAME CREW

#03-77616
S.F.W.M.D

1/3/06

"SITE-L"

(ESTABLISH ELEV. ON WELL SITE M-1085)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	6.950						
BM	5.560	5.560	36.640	✓			31.080 ✓
	4.170						
				5.050			
TP#1				3.625	3.625	33.015	✓
				2.200			
	6.090						
SHAKE	4.165	4.165	37.180	✓			
	2.240						
				11.160			
TP#2				9.320	9.320	27.860	✓
				7.480			
	5.680						
SHAKE	3.640	3.640	31.500	✓			
	1.600						
				8.350			
TP#3				6.220	6.220	25.280	✓
				4.090			
	6.335						
SHAKE	4.285	4.285	29.565	✓			
	2.235						
				6.040			
TP#4				3.930	3.930	25.635	✓
				1.820			

DESC

NGS # AJ8242 (F522) NAVD 88
FLANGE ENCASED ROD
STAMPED F 522 2001 CERP

CUT NL

CUT NL

60 D SPIKE

60 D SPIKE

60 D SPIKE

60 D SPIKE

60 D SPIKE

SAME CREW

#03-77616
S.F.W.M.D.

1/3/06

"SITE-L"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	6.650			✓				
SHAKE	4.665	4.665	30.300					60 D SPIKE
	2.680							
				7.820			✓	
TP#5				5.715	5.715	24.585		60 D SPIKE
				3.610				
	7.010							
SHAKE	5.010	5.010	29.595	✓				60 D SPIKE
	3.010							
				7.390				
TP#6				5.170	5.170	24.425	✓	60 D SPIKE
				2.950				
	7.450			✓				
SHAKE	5.590	5.590	30.015					60 D SPIKE
	3.730							
				6.820				
TP#7				4.740	4.740	25.275	✓	60 D SPIKE
				2.660				
	6.020							
SHAKE	3.875	3.875	29.150	✓				60 D SPIKE
	1.730							
				7.510				
TP#8				5.370	5.370	23.780	✓	60 D SPIKE
				3.230				
	7.830							
SHAKE	6.150	6.150	29.930	✓				60 D SPIKE
	4.470							

S A. REDERO
C B. SALAZAR
A. FERNANDEZ
1/ 1/4/06

#03-77616
S.F.W.M.D
"SITE-L"
(ELEV. CONT)

S	STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
					6.840				
S	WELL M-1085				5.195	5.195	24.735	✓	TOP OF PIPE "STEEL" M-1085
					3.550				
		7.080							
T	SHAKE	5.435	5.435	30.170	✓				" "
		3.790							
					6.680				
S	DISC M-1085				5.035	5.035	25.135	✓	SET S.F.W.M.D DISC STAMPED M-1085 2006
					3.390				
		5.935							
T	SHAKE	4.295	4.295	29.430	✓				" "
		2.655							
					7.330				
S	TP#9				5.645	5.645	23.785	✓	60 D SPIKE
					3.960				
		7.010							
T	SHAKE	4.870	4.870	28.655	✓				60 D SPIKE
		2.730							
					5.520				
S	TP#10				3.386	3.380	25.275	✓	60 D SPIKE
					1.240				
		6.380							
T	SHAKE	4.300	4.300	29.575	✓				60 D SPIKE
		2.220							
					7.020				
S	TP#11				5.160	5.160	24.415	✓	60 D SPIKE
					3.300				

SAME CREW

#03-77616
S.E.W.M.D.

4/4/06

"SITE-L"

(ELEV CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	7.060							
SHAKE	4.940	4.840	29.255	✓				60 D SPIKE
	2.620							
				6.670				
TP#12				4.670	4.670	24.585	✓	60 D SPIKE
				2.670				
	7.220							
SHAKE	5.120	5.120	29.705	✓				60 D SPIKE
	3.020							
				6.050				
TP#13				4.060	4.060	25.645	✓	60 D SPIKE
				2.070				
	5.530							
SHAKE	3.430	3.430	29.075	✓				60 D SPIKE
	1.330							
				5.830				
TP#14				3.790	3.790	25.285	✓	60 D SPIKE
				1.750				
	7.720							
SHAKE	5.590	5.590	30.875	✓				60 D SPIKE
	3.460							
				5.550				
TP#15				3.010	3.010	27.865	✓	60 D SPIKE
				0.470				
	11.640			✓				
SHAKE	9.685	9.685	37.550					60 D SPIKE
	7.730							

SAME CREW

1/4/06

#03-7716
S.F.W.M.D.
"SITE-L"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				6.590				
TP#16				4.990	4.990	32.560	✓	CUT NL
				3.390				
	4.975							
SHAKE	3.425	3.425	35.985	✓				CUT NL
	1.875							
				4.910				
TP#17				3.460	3.460	32.525	✓	CUT NL
				2.010				
	5.550							
SHAKE	4.230	4.230	36.755	✓				CUT NL
	2.910							
				5.060				
TP#18				3.690	3.690	33.065	✓	CUT NL
				2.320				
	4.450							
SHAKE	3.030	3.030	36.095	✓				CUT NL
	1.610							
				6.050				
TP#19				4.540	4.540	31.555	✓	CUT NL
				3.030				
	5.095							
SHAKE	3.875	3.875	35.430	✓				CUT NL
	2.655							
				5.740				
TP#20				4.120	4.120	31.310	✓	CUT NL
				2.500				

SAME CREW

1/4/06

#03-77616
S.F.W.M.D
"SITE-L"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	5.550							
SHAKE	4.200	4.200	35.510	✓				CUT NL
	2.850							
				5.840				
TP#21				4.355	4.355	31.155	✓	CUT NL
				2.870				
	5.250							
SHAKE	4.010	4.010	35.165	✓				CUT NL
	2.770							
				5.555				
TP#22				4.035	4.035	31.130	✓	CUT NL
				2.515				
	4.550							
SHAKE	3.940	3.940	35.070	✓				CUT NL
	3.330							
				6.775		✓	✓	
BM				6.080	6.080	28.990	29.017	NGS # AJ 8241 (ES22) NAVD 88
				5.385		✓	✓	BRASS D. IN CONC. MON.
						ERR=0.020		STAMPED ES22 2001 CERP

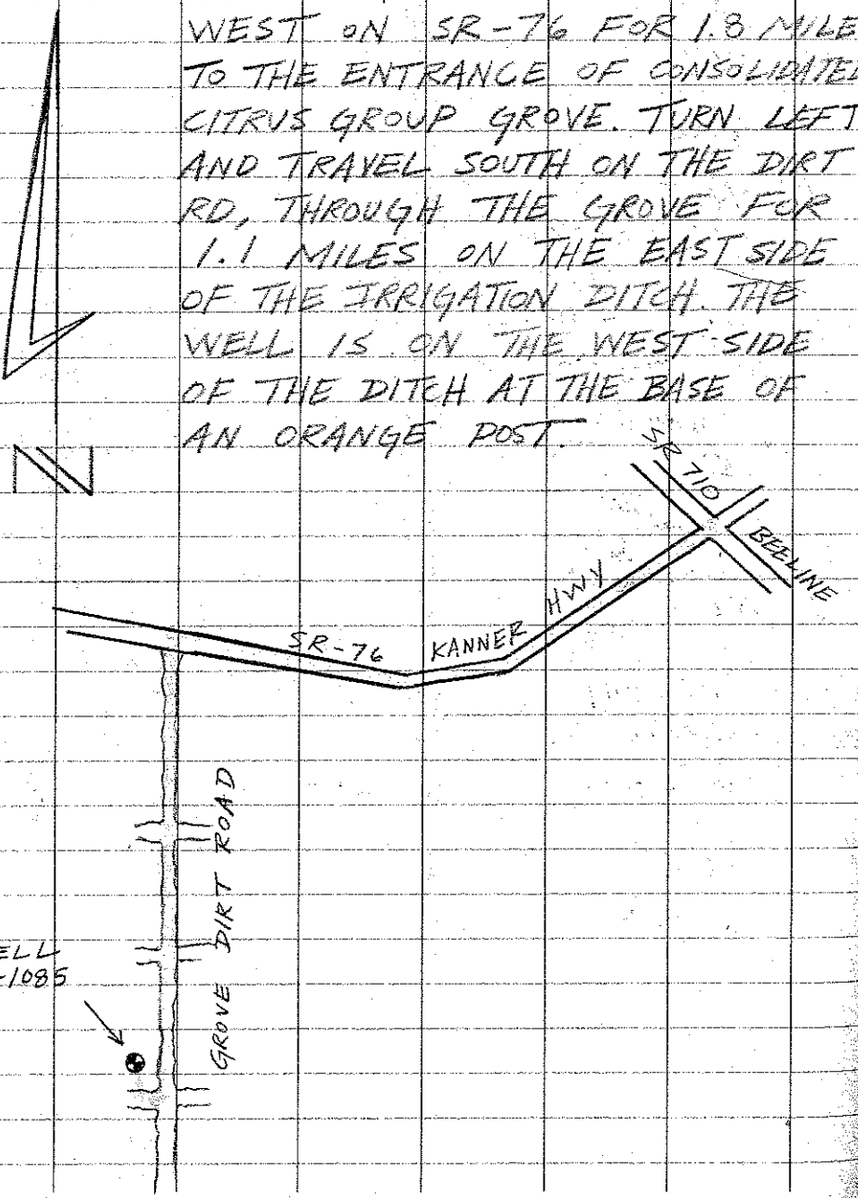
SAME CREW

#03-77616
S.F.W.M.D

1/4/06

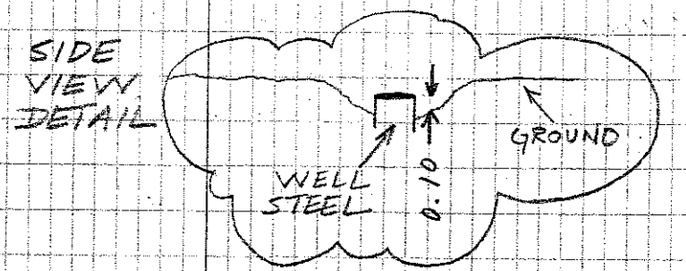
(SITE-L DESCRIPTION)

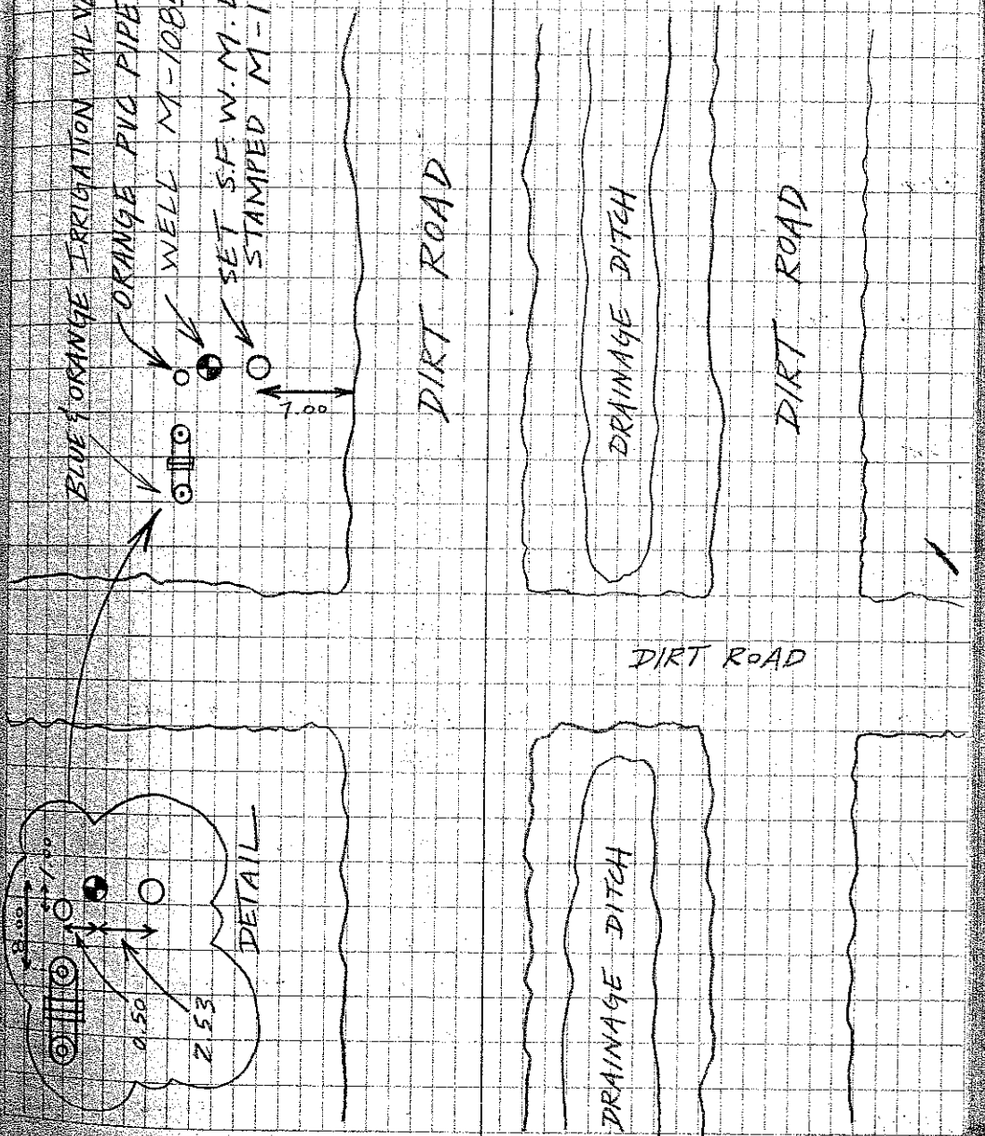
DIRECTIONS - FROM THE INTERSECTION OF SR-710 AND SR-76 TRAVEL WEST ON SR-76 FOR 1.8 MILES TO THE ENTRANCE OF CONSOLIDATED CITRUS GROUP GROVE. TURN LEFT AND TRAVEL SOUTH ON THE DIRT RD, THROUGH THE GROVE FOR 1.1 MILES ON THE EAST SIDE OF THE IRRIGATION DITCH. THE WELL IS ON THE WEST SIDE OF THE DITCH AT THE BASE OF AN ORANGE POST.



2564/15

SKETCH OF WELL SITE M-1085





A. REDERO
T. LOPEZ
A. SANTANA

#03-7716
S.F.W.M.D.

"SITE-M"

1/5/06

(ESTABLISH ELEV ON WELLS M-1244 M-1245)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	6.820						✓
BM	4.910	4.910	29.78	✓			24.87
	3.000						
				5.060			
TP#1				2.985	2.985	26.795	✓
				0.910			
	6.700						
SHAKE	4.400	4.400	31.195	✓			
	2.100						
				6.830			
TP#2				4.630	4.630	26.565	✓
				2.430			
	6.880						
SHAKE	4.855	4.855	31.420	✓			
	2.830						
				6.270			
TP#3				4.325	4.325	27.095	✓
				2.380			
	6.510						
SHAKE	4.675	4.675	31.770	✓			
	2.840						
				6.400			
TP#4				4.650	4.650	27.120	✓
				2.900			
	7.380						
SHAKE	4.600	4.600	31.72	✓			
	1.820						

DESC

NGS# AJ8247 (M522) NAVD 88
FLANGE ENCASED ROD
STAMPED M522 2001 CERP

CUT NL ℄ TT

CUT NL ℄ TT

CUT NL ℄ TT

CUT NL ℄ TT

CUT NL ℄ TT

CUT NL ℄ TT

CUT NL ℄ TT

CUT NL ℄ TT

SAME CREW

1/5/06

#03-77616
S.F.W.M.D.

"SITE-M"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				7.380				
TP#5				4.980	4.980	26.740	✓	CUT NL & TT
				2.580				
	9.240							
SHAKE	6.610	6.615	33.355	✓				CUT NL & TT
	3.990							
				2.110				
TP#6				1.100	1.100	32.255	✓	80 D SPK
				0.09				
	8.680							
SHAKE	8.000	8.000	40.255	✓				80 D SPK
	7.320							
				11.780				
TP#7				9.950	9.950	30.305	✓	CUT NL & TT
				8.120				
	7.140							
SHAKE	5.040	5.040	35.345	✓				CUT NL & TT
	2.940							
				4.300				
TP#8				2.280	2.280	33.065	✓	CUT NL & TT
				0.260				
	7.580							
SHAKE	5.875	5.875	38.940	✓				CUT NL & TT
	4.170							
				6.670				
TP#9				5.090	5.090	33.850	✓	CUT NL & TT
				3.510				

SAME CREW

1/5/06

#03-77616
S.F.W.M.D.
"SITE-M"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	6.850							
SHAKE	5.305	5.305	39.155	✓				CUT NL & TT
	3.760							
				5.150				
TBM#1				4.970	4.970	34.185	✓	SET MAG NL & W IN FRONT OF WELL
				4.790				M-1244 IN ASPH.
	4.940							" " "
SHAKE	4.760	4.760	38.945	✓				
	4.580							
				4.885				
TBM#2				4.720	4.720	34.225	✓	SET MAG NL & W IN FRONT OF WELL
				4.555				M-1245 IN ASPH.
	5.700							" " "
SHAKE	5.185	5.185	39.410	✓				
	4.670							
				6.760				
TP#10				5.570	5.570	33.840	✓	CUT NL & TT
				4.380				
	6.340							
SHAKE	4.770	4.770	38.610	✓				CUT NL & TT
	3.200							
				7.250				
TP#11				5.555	5.555	33.055	✓	CUT NL & TT
				3.860				
	4.210							
SHAKE	2.190	2.190	35.245	✓				CUT NL & TT
	0.170							

SAME CREW

1/5/06

#03-77616
S.E.W.M.D.
" SITE - M"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				7.040				
TP#12				4.955	4.955	30.29	✓	CUT NL & TT
				2.870				
	10.670							
SHAKE	8.770	8.770	39.060	✓				CUT NL & TT
	6.870							
				7.425				
TP#13				6.815	6.815	32.245	✓	80 D SPIKE
				6.205				
	2.250							
SHAKE	1.230	1.230	33.475	✓				80 D SPIKE
	0.210							
				8.410				
TP#14				6.490	6.490	26.985	✓	CUT NL
				4.570				
	5.960			✓				
SHAKE	4.535	4.535	31.520					CUT NL
	3.110							
				5.750				
TP#15				4.320	4.320	27.200	✓	CUT NL
				2.890				
	5.420			✓				
SHAKE	4.615	4.615	31.815					CUT NL
	3.810							
				6.860		✓	✓	
BM				5.830	5.830	25.985	25.960	NGS # AJ8246 (L522) NAVD 88
				4.800		ERR = 0.025		BRASS D IN CONC MON STAMPED L522 2001 CERP

SAME CREW

#03-27616
S.F.W.M.D
"SITE-M"
(ELEV. CONT)

1/5/06

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV	DESC
	4.320						✓	
TBM#1	4.065	4.065	38.250	✓			34.185	MAG NL & W
	3.810							
				6.300				
WELL M-1244				5.940	5.940	32.310	✓	TOP OF PIPE WELL M-1244 "PVC"
				5.580				
	5.920							
SHAKE	5.555	5.555	37.865	✓				" "
	5.190							
				4.820				
WELL M-1245				4.485	4.485	33.385	✓	TOP OF PIPE WELL M-1245 "PVC"
				4.150				
	5.280							
SHAKE	4.950	4.950	38.330	✓				" "
	4.620							
				4.980				
DISC M-1244				4.675	4.675	33.655	✓	SET S.F.W.M.D DISC STAMPED M-1244 2006
				4.370				
	4.560							
SHAKE	4.255	4.255	37.910	✓				" "
	3.950							
				3.905		✓	✓	
TBM#2				3.685	3.685	34.225	34.225	MAG NL & W
				3.465		ERR = 0.000		

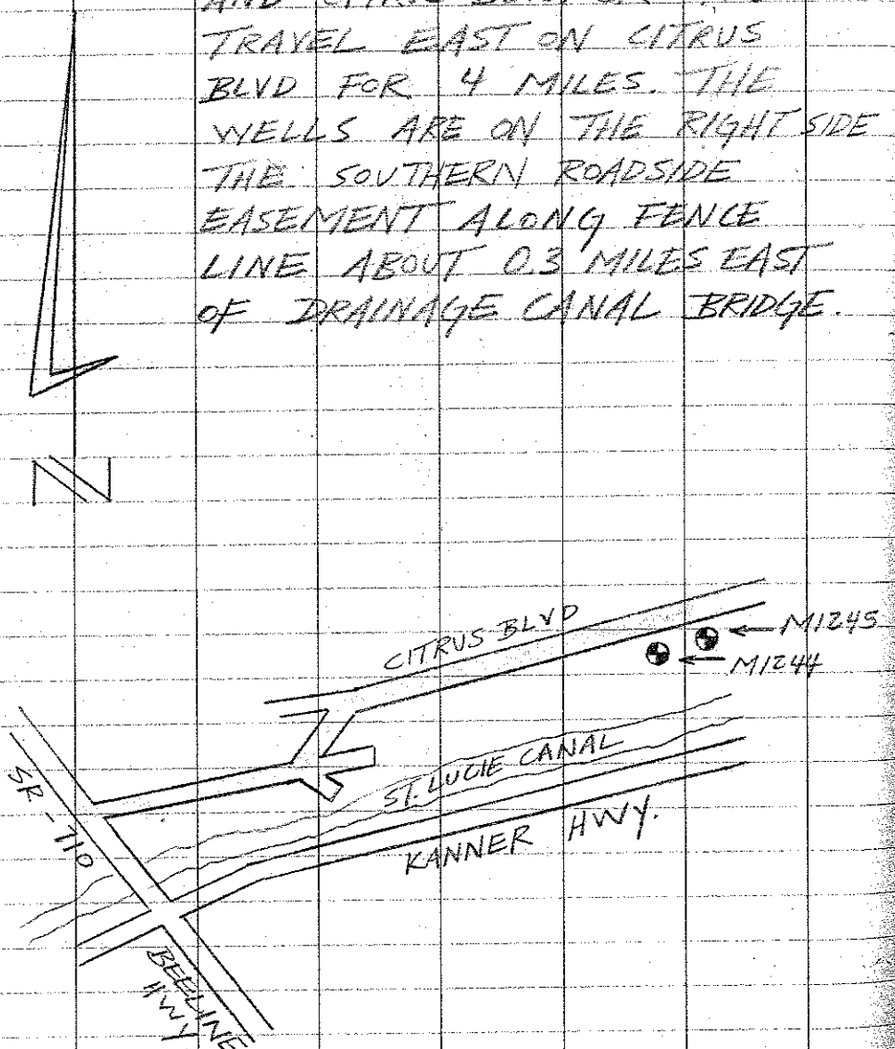
SAME CREW

1/5/06

#03-77616
S.F.W.M.D.

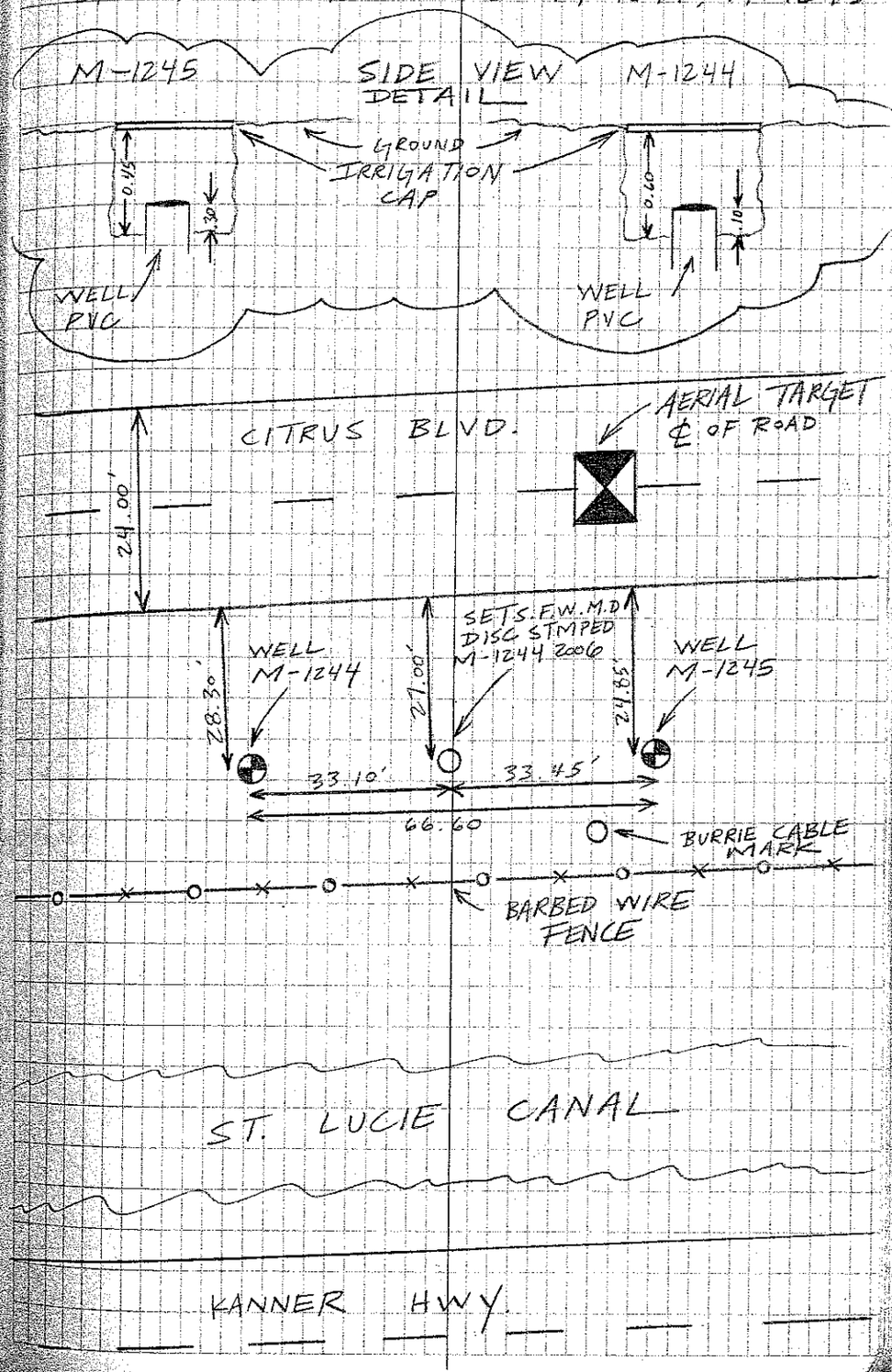
(SITE-M DESCRIPTION)

DIRECTIONS- BY INDIANTOWN FROM THE INTERSECTION OF SR-710 AND CITRUS BLVD. SR-726 TRAVEL EAST ON CITRUS BLVD FOR 4 MILES. THE WELLS ARE ON THE RIGHT SIDE THE SOUTHERN ROADSIDE EASEMENT ALONG FENCE LINE ABOUT 0.3 MILES EAST OF DRAINAGE CANAL BRIDGE.



2564/21

SKETCH OF WELL SITE M-1244, M-1245



SAME CREW

#03-77616
S.F.W.M.D.
" SITE-N "
(ESTABLISH ELEV ON WELL SITE M-1236, M-1273)

1/5/06

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV	DESC
	6.910						✓	NGS# AJ5250 (GCY D08) NAVD 88
BM	5.425	5.425	29.305	✓			23.88	BRASS D. IN CONC. MON.
	4.040							STAMPED GCY D08 2001
				7.450				
				5.480	5.480	23.825	✓	CUT NL
TP#1				3.510				
	6.630							
SHAKE	4.620	4.620	28.445	✓				CUT NL
	2.610							
				6.940				
				4.850	4.850	23.595	✓	CUT NL
TP#2				2.760				
	7.200							
SHAKE	5.000	5.000	28.595	✓				CUT NL
	7.800							
				8.640				
				6.550	6.550	22.045	✓	CUT NL
TP#3				4.460				
	7.310							
SHAKE	5.350	5.350	27.395	✓				CUT NL
	3.390							
				4.980				
				3.280	3.280	24.115	✓	CUT NL
TP#4				1.580				
	7.720							
SHAKE	5.580	5.580	29.695	✓				CUT NL
	3.440							

SAME CREW

1/5/06

#03-77616
S.E.W.M.D
" SITE-N"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV	DESC
				7.020				
TP#5				4.965	4.965	24.730	✓	CUT NL
				2.910				
	6.590							
SHAKE	4.995	4.995	29.725	✓				CUT NL
	3.400							
				6.750				
TP#6				4.920	4.920	24.805	✓	CUT NL
				3.090				
	6.530							
SHAKE	4.920	4.920	29.725	✓				CUT NL
	3.310							
				6.930				
TBM#1				5.080	5.080	24.645	✓	MAG NL & TT
				3.236				
	6.575							
SHAKE	4.725	4.725	29.370	✓				MAG NL & TT
	2.875							
				6.320				
TBM#2				4.810	4.810	24.560	✓	MAG NL & TT
				3.300				
	6.750							
SHAKE	5.240	5.240	29.800	✓				MAG NL & TT
	3.730							
				6.610				
TP#7				5.000	5.000	24.800	✓	CUT NL
				3.390				

SAME CREW — #03-77616 S.F.W. M.D.

1/5/06 — "SITE-N"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	6.680							
SHAKE	4.845	4.845	29.645	✓				CUT NL
	3.010							
				6.510				
TP#8				4.920	4.920	24.725	✓	CUT NL
				3.330				
	6.420							
SHAKE	4.810	4.810	29.535	✓				CUT NL
	3.200							
				8.020				
TP#9				5.430	5.430	24.105	✓	CUT NL
				2.840				
	4.840							
SHAKE	2.920	2.920	27.025	✓				CUT NL
	1.000							
				6.710				
TP#10				4.970	4.970	22.055	✓	CUT NL
				3.230				
	8.410							
SHAKE	6.430	6.430	28.485	✓				CUT NL
	4.450							
				7.200				
TP#11				4.880	4.880	23.605	✓	CUT NL
				2.560				
	6.375							
SHAKE	4.415	4.415	28.020	✓				CUT NL
	2.455							

SAME CREW

#03-77616 S.E.W.M.D.

1/5/06

" SITE -N "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV	DESC
				6.330				
TP#12				4.190	4.190	23.830	✓	CUT NL
				2.050				
	6.970							
SHAKE	5.330	5.330	29.160	✓				CUT NL
	3.690							
				6.890				
TP#13				5.080	5.080	24.080	✓	CUT NL
				3.270				
	7.150							
SHAKE	5.290	5.290	29.370	✓				CUT NL
	3.430							
				6.650				
TP#14				4.530	4.530	24.840	✓	CUT NL
				2.410				
	7.180							
SHAKE	4.760	4.760	29.600	✓				CUT NL
	2.340							
				6.880				
TP#15				4.605	4.605	24.995	✓	CUT NL
				2.330				
	6.190							
SHAKE	4.100	4.100	29.095	✓				CUT NL
	2.010							

SAME CREW

1/5/06

#03-7761G
S.F.W.M.D

"SITE-N"

(ELEV CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV.	DESC
				6.550				
TP#16				4.570	4.570	24.525	✓	CUT NL
				2.590				
	6.255							
SHAKE	4.535	4.535	29.060	✓				CUT NL
	2.815							
				7.175		✓		
BM				6.565	6.565	22.495	22.48 ✓	NGS # AJ5627 (XS16) NAVD88
				5.955		ERR=0.015 ✓		BRASS D. IN CONC. MON. STAMPED XS16 2001

SAME CREW

#03-7616
S.F.W.M.D

1/5/06

"SITE-N"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV.	DESC.
	5.500							
TBM#1	5.385	5.385	30.030	✓			24.645	MAG NL & W
	5.270							
				6.930				
WELL M-1236				6.625	6.625	23.405	✓	TOP OF PIPE M-1236 "PVC"
				6.320				
	7.360							
SHAKE	7.075	7.075	30.480	✓				" "
	6.790							
				7.290				
WELL M-1273				7.000	7.000	23.480	✓	TOP OF PIPE M-1273 "PVC"
				6.710				
	7.550							
SHAKE	7.260	7.260	30.740	✓				" "
	6.970							
				7.510		✓		
DISC M-1236				7.230	7.230	23.510		SET S.F.W.M.D DISC STAMPED M-1236 2006
				6.950				
	6.960							
SHAKE	6.670	6.670	30.180	✓				" "
	6.380							
				5.965		✓	✓	
TBM#2				5.615	5.615	24.565	24.560	MAG NL & W
				5.265				
						ERR = 0.005	✓	

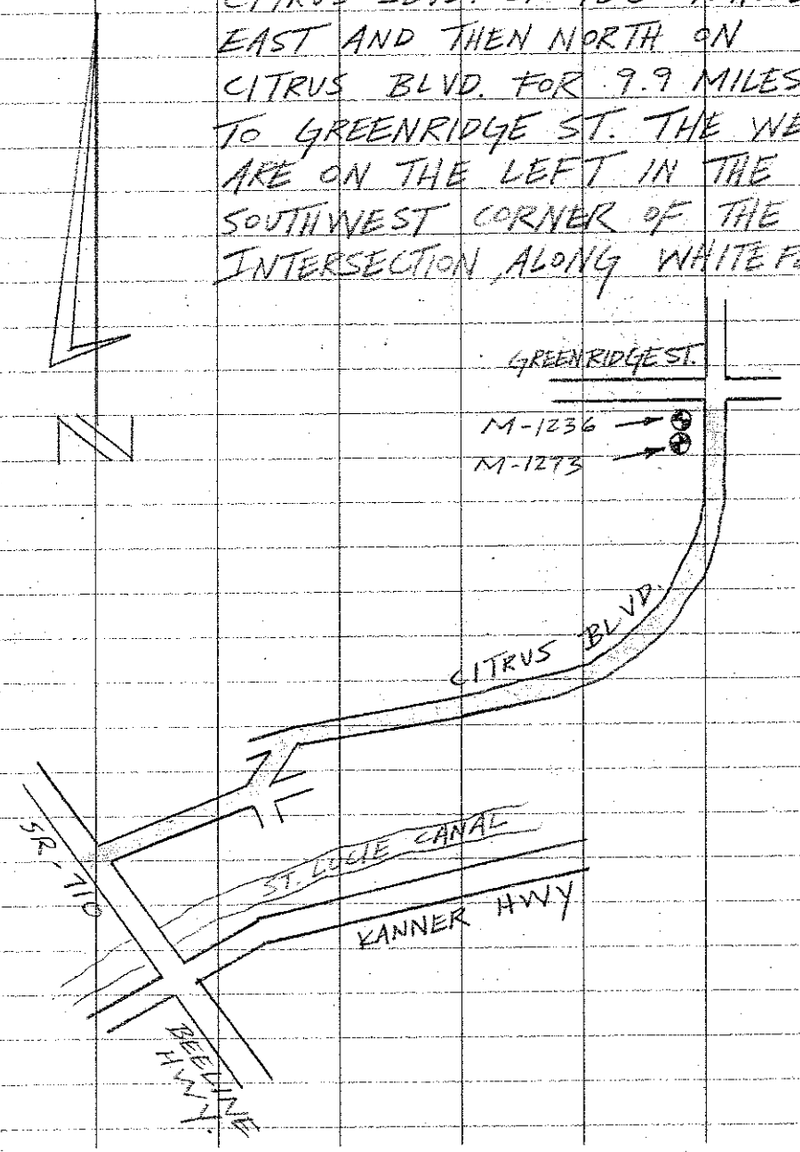
SAME CREW

#03-77616
S.F.W.M.D.

4/5/06

(SITE-N DESCRIPTION)

DIRECTIONS - BY INDIANTOWN FROM THE INTERSECTION SR-710 AND CITRUS BLVD. SR-726 TRAVEL EAST AND THEN NORTH ON CITRUS BLVD. FOR 9.9 MILES TO GREENRIDGE ST. THE WELLS ARE ON THE LEFT IN THE SOUTHWEST CORNER OF THE INTERSECTION ALONG WHITE FENCE.



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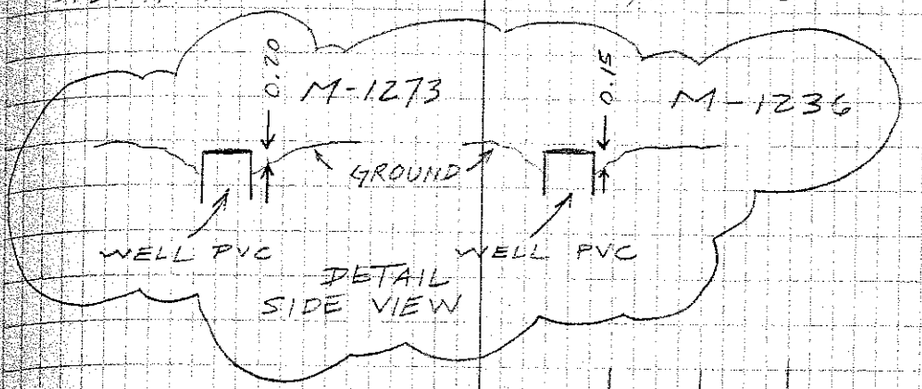
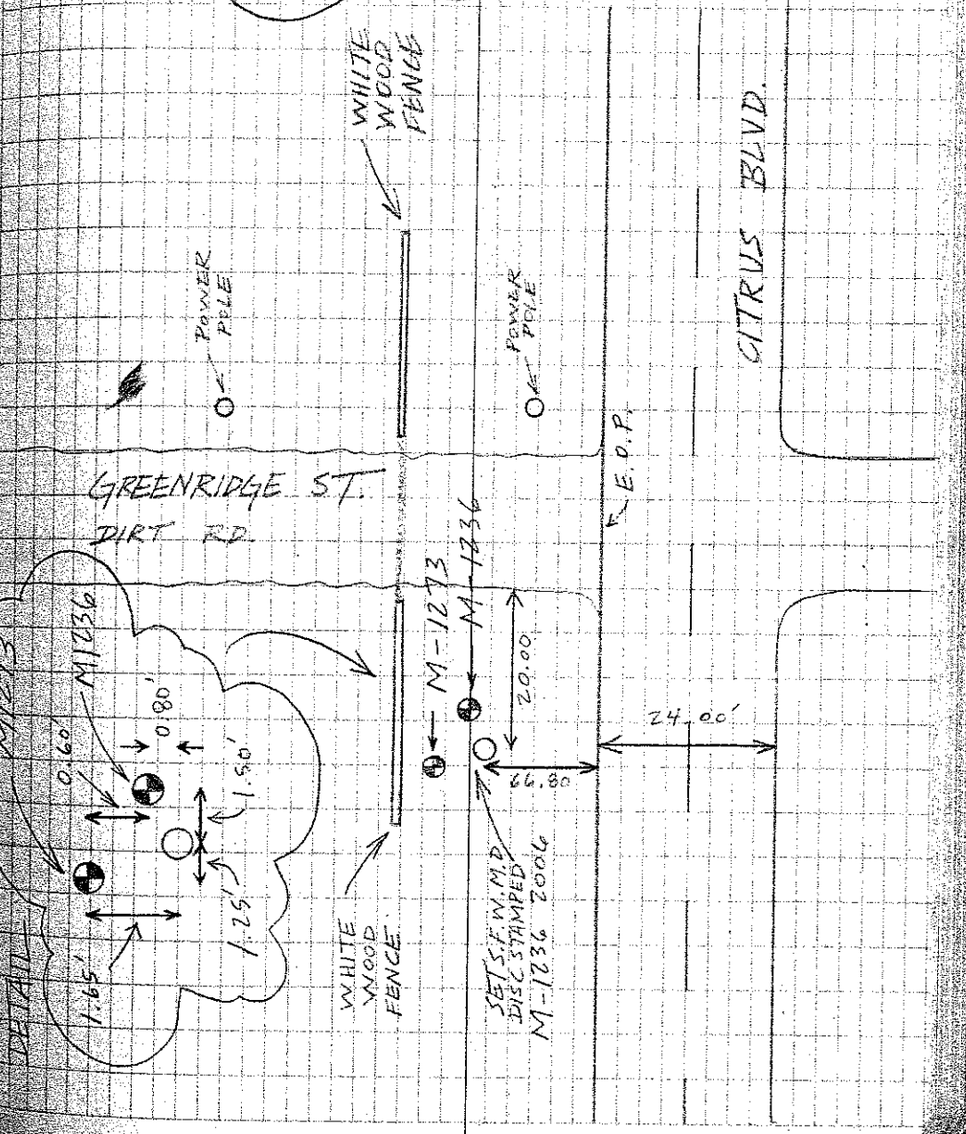
SKETCH OF WELL SITE M-1273, M1236





A. REVERO #03-77616
T. LOPEZ S.F.W.M.D
P. NAYLOR
" SITE - 0 "
1/11/06 (ESTABLISH ELEV. ON WELL M-1274)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	8.640						
BM	7.180	7.180	28.480	✓			21.30 ✓
	5.720						
				10.050			
DISC M-1274				7.910	7.910	20.570	✓
				5.770			
	9.420			✓			
SHAKE	7.580	7.580	28.150				
	5.740						
				8.420			
WELL M-1274				7.110	7.110	21.040	✓
				5.800			
	8.260			✓			
SHAKE	7.025	7.025	28.065				
	5.790						
				2.890			
TP#1				1.680	1.680	26.385	✓
				0.470			
	12.590			✓			
SHAKE	11.725	11.725	38.110				
	10.860						
				1.285			
TP#2				0.755	0.755	37.355	✓
				0.225			

DESC
NGS # AJ5629 (Z516) ✓ N
BRASS D. IN CONC. MON.
STAMPED Z516 2001

SET S.F.W.M.D DISC STAMPED M-1274 2006

" "

TOP OF PIPE WELL M-1274 (PVC)

" "

CUT NL

CUT NL

CUT NL

SAME CREW

1/11/06

#03-77616
S.F.W.M.D

" SITE - 0 "

(ELEV. CONT.)

STA	BS	MEAN	HI	FS	MEAN ELEV	ELEV	BM ELEV	DESC
	12.480							
SHAKE	11.710	11.710	49.065 ✓					CUT NL
	10.940							
				2.790				
TP#3				2.180	2.180	46.885 ✓		CUT NL
				1.570				
	7.120							
SHAKE	6.860	6.860	53.745 ✓					CUT NL
	6.600							
				1.910		✓		
BM				1.570	1.570	52.175 ✓	52.19 ✓	NGS # AC5386 (I-95 H 16) NAVD 88
				1.230				BRASS D. STAMPED BM I-95 H 16
						ERR = 0.015 ✓		FDOT IN CONC GUARDRAIL OF BRIDGE

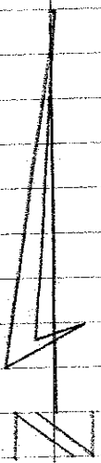
SAME CREW.

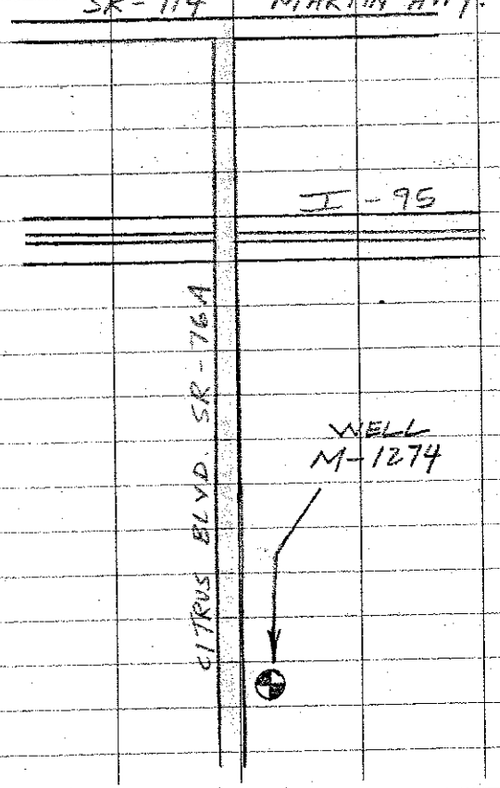
#03-77616
S.F.W.M.D

1/11/06

(SITE-O DESCRIPTION)

DIRECTIONS- FROM THE INTERSECTION OF SR-714 MARTIN HWY AND SR-76A CITRUS BLVD. TRAVEL SOUTH ON CITRUS BLVD. FOR 2.6 MILES. TO THE WELL (JUST PASS THE I-95 OVERPASS) ON THE THE LEFT SIDE OF THE RD. NEXT TO THE DRIVEWAY FOR HOUSE # 6807.





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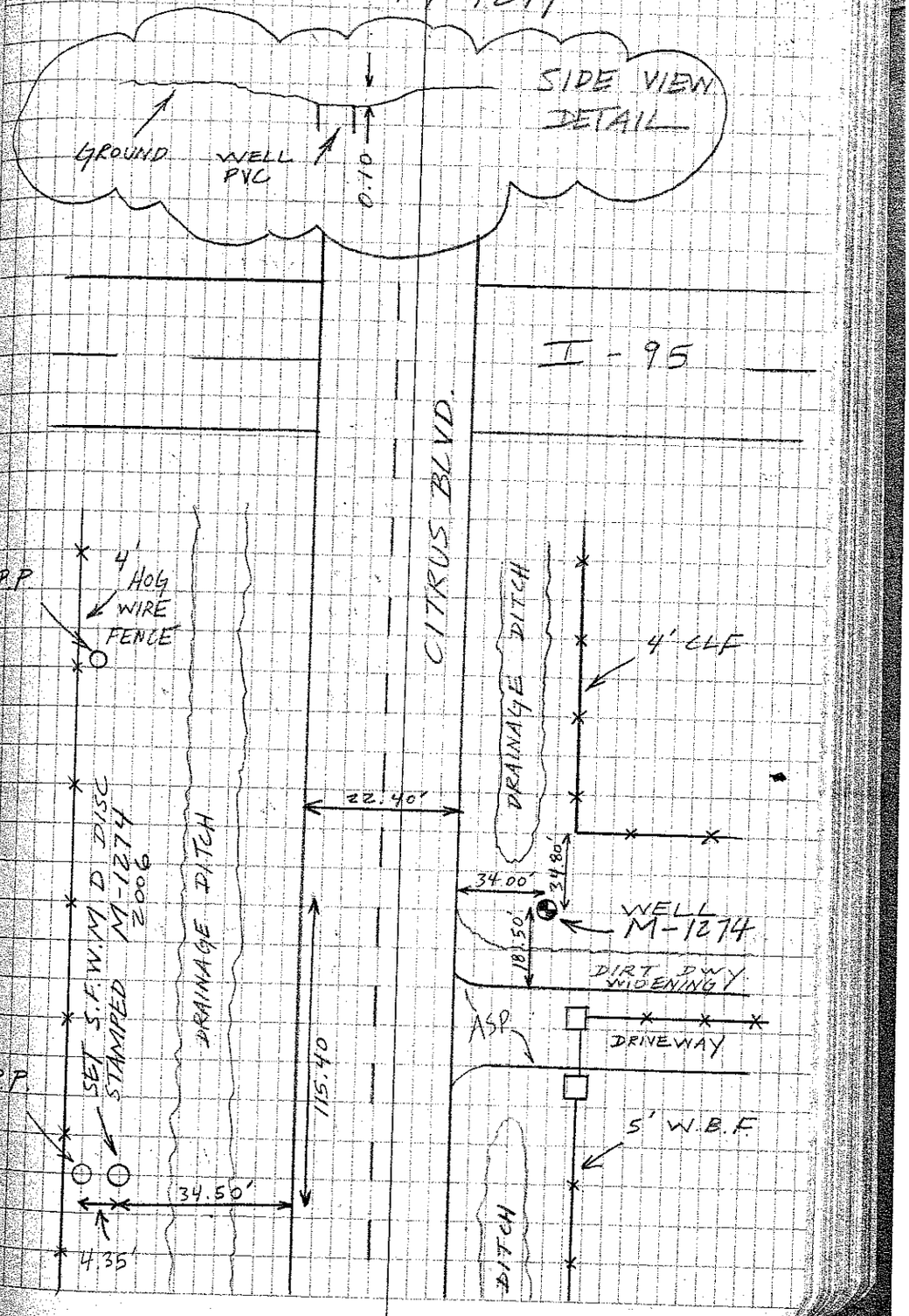
SKETCH OF WELL SITE M-1274



SAME CREW

#03-77616
S.F.W.M.D

1/11/06

"SITE-P"

(ESTABLISH ELEV ON WELL M-1037)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	8.920			✓			✓
BM	7.980	7.980	36.550	✓			28.57
	7.040						
				7.150			
TP#1				5.750	5.750	30.800	✓
				4.350			
	6.480						
SHAKE	4.920	4.920	35.720	✓			
	3.360						
				6.630			
TP#2				4.930	4.930	30.790	✓
				3.230			
	6.520			✓			
SHAKE	4.170	4.170	34.960				
	1.820						
				6.500			
TP#3				4.435	4.435	30.525	✓
				2.370			
	7.240						
SHAKE	5.080	5.080	35.605	✓			
	2.920						
				7.770			
TP#4				5.170	5.170	30.435	✓
				2.570			
	7.380						
SHAKE	4.970	4.970	35.405	✓			
	2.560						

BM ELEV

DESC ✓
NGS # AJ8518 (P543) NAVD 88
FLANGE ENCASED ROD
STAMPED P543 2001 CERP

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

SAME CREW

1/11/06

#03-77616
S.F.W.M.D
" SITE-P"
(ELEV. CONT.)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				7.060				
TP#5				4.955	4.955	30.450	✓	CUT NL
				2.850				
	6.810							
SHAKE	4.455	4.455	34.905	✓				CUT NL
	2.100							
				6.635				
TP#6				4.555	4.555	30.350	✓	CUT NL
				2.475				
	6.730							
SHAKE	4.695	4.695	35.045	✓				CUT NL
	2.660							
				6.700				
TP#7				4.650	4.650	30.395	✓	CUT NL
				2.600				
	6.720							
SHAKE	4.665	4.665	35.060	✓				CUT NL
	2.610							
				6.570				
TP#8				4.770	4.770	30.290	✓	CUT NL
				2.970				
	7.430							
SHAKE	5.620	5.620	35.910	✓				CUT NL
	3.810							

SAME CREW.

#03-77616
S.F.W.M.D

1/11/06

"SITE-P"

(ELEV. CONT.)

STA	BS	MEAN HI		FS	MEAN ELEV	ELEV	BM DESC
				8.910			
DISC M-1037				7.370	7.370	28.540	✓ SET S.F.W.M.D DISC STAMPED M-1037 2006
				5.830			
	6.440						
SHAKE	5.285	5.285	33.825	✓			" "
	4.130						
				6.030			
WELL M-1037				4.640	4.640	29.185	✓ "TOP OF PIPE WELL M-1037 "PVC"
				3.250			
	7.320						
SHAKE	5.525	5.525	34.710	✓			" "
	3.730						
				6.230			
TP#9				4.420	4.420	30.290	✓ CUT NL
				2.610			
	6.540						
SHAKE	4.740	4.74	35.030	✓			CUT NL
	2.940						
				6.690			
TP#10				4.635	4.635	30.395	✓ CUT NL
				2.580			
	6.610						
SHAKE	4.560	4.560	34.955	✓			CUT NL
	2.510						
				6.630			
				4.600			✓
TP#11				2.570	4.600	30.355	CUT NL

SAME CREW

1/11/06

#03-77616
S.F.W.M.D
" SITE-P"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	6.555							
SHAKE	4.475	4.475	34.830	✓				CUT NL
	2.395							
				6.730				
TP#12				4.380	4.380	30.450	✓	CUT NL
				2.030				
	6.890							
SHAKE	4.780	4.780	35.230	✓				CUT NL
	2.670							
				7.200				
TP#13				4.785	4.785	30.445	✓	CUT NL
				2.370				
	7.655							
SHAKE	5.045	5.045	35.490	✓				CUT NL
	2.435							
				7.100				
TP#14				4.950	4.950	30.540	✓	CUT NL
				2.800				
	6.385							
SHAKE	4.315	4.315	34.855	✓				CUT NL
	2.245							
				6.400				
TP#15				4.050	4.050	30.805	✓	CUT NL
				1.700				
	6.690							
SHAKE	4.980	4.980	35.785	✓				CUT NL
	3.270							

A. REDERO
T. LOPEZ
A. FERNANDEZ

#03-77616
S.F.W.M.D.

"SITE-P"

1/12/06

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				6.530				
TP#16				4.970	4.970	30.815	✓	CUT NL
				3.410				
	7.160							
SHAKE	5.770	5.770	36.585	✓				CUT NL
	4.380							
				5.610				
TP#17				3.780	3.780	32.805	✓	CUT NL
				1.750				
	8.260							
SHAKE	6.480	6.480	39.285	✓				CUT NL
	4.700							
				4.665				
TP#18				3.125	3.125	36.16	✓	CUT NL
				1.585				
	6.985							
SHAKE	5.245	5.245	41.405	✓				CUT NL
	3.505							
				8.710				
TP#19				7.070	7.070	34.335	✓	CUT NL
				5.430				
	16.440							
SHAKE	15.460	15.460	49.795	✓				CUT NL
	14.480							

SAME CREW

#03-77616
S.F.W.M.D

"SITE-P"

1/12/06

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				3.520				
TA#20				2.400	2.400	47.395 ✓		CUT NL
				1.280				
	15.960							
SHAKE	14.770	14.770	62.165 ✓					CUT NL
	13.580							I95 85 A06 RM1
				4.565		✓	✓	NGS # AF7158. (A06) NAVD 88
BM				2.355	2.355	59.810	59.780	FOOT BRASS D. IN CONC GUARDRAIL
				0.145		\	/	STAMPED I-95 85 A06 RM 1
						ERR=0.030 ✓		

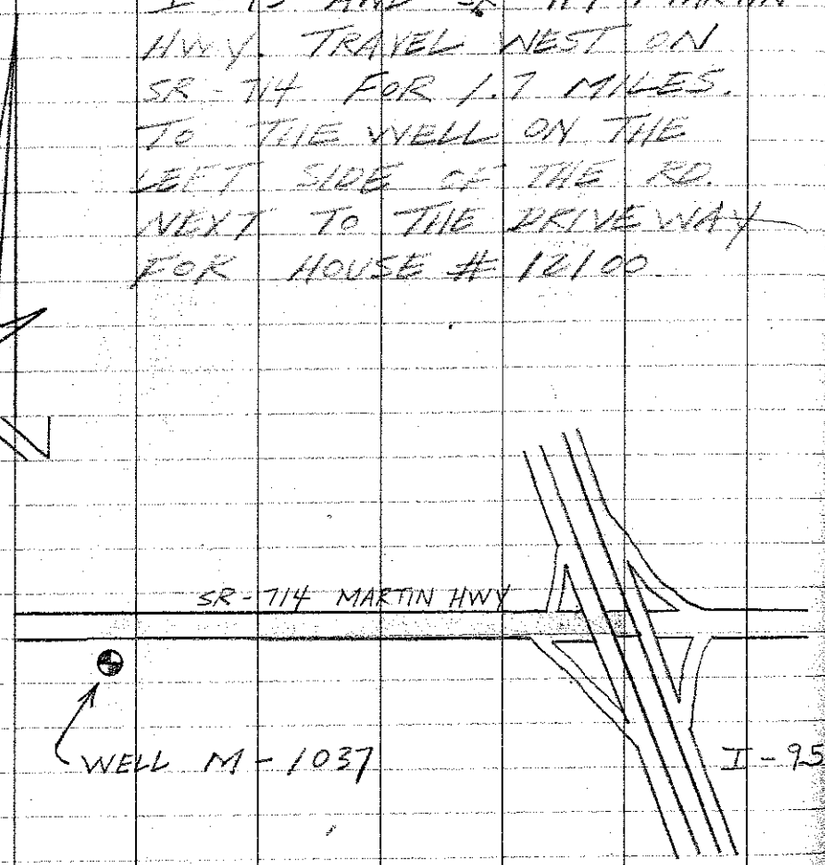
SAME CREW.

#03-77616
S.F.W.M.D

(SITE-P DESCRIPTION)

1/12/06

DIRECTIONS- FROM THE INTERSECTION OF I-95 AND SR-714 MARTIN HWY. TRAVEL WEST ON SR-714 FOR 1.7 MILES. TO THE WELL ON THE LEFT SIDE OF THE RD. NEXT TO THE DRIVEWAY FOR HOUSE # 12100.



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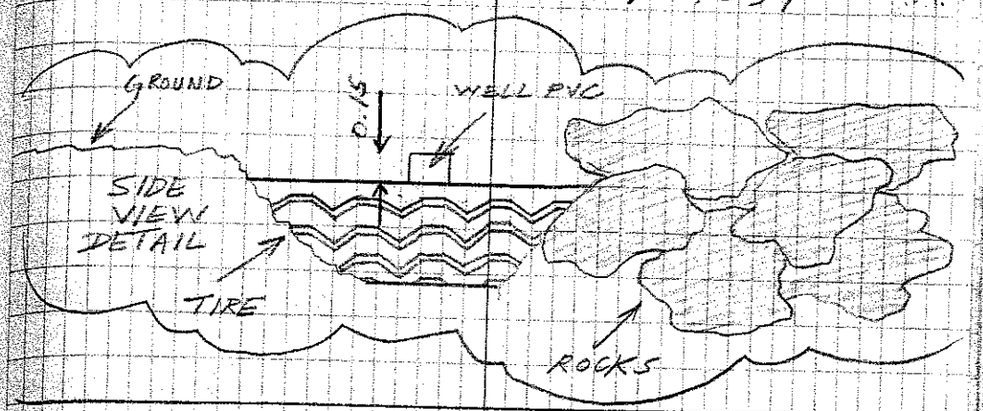
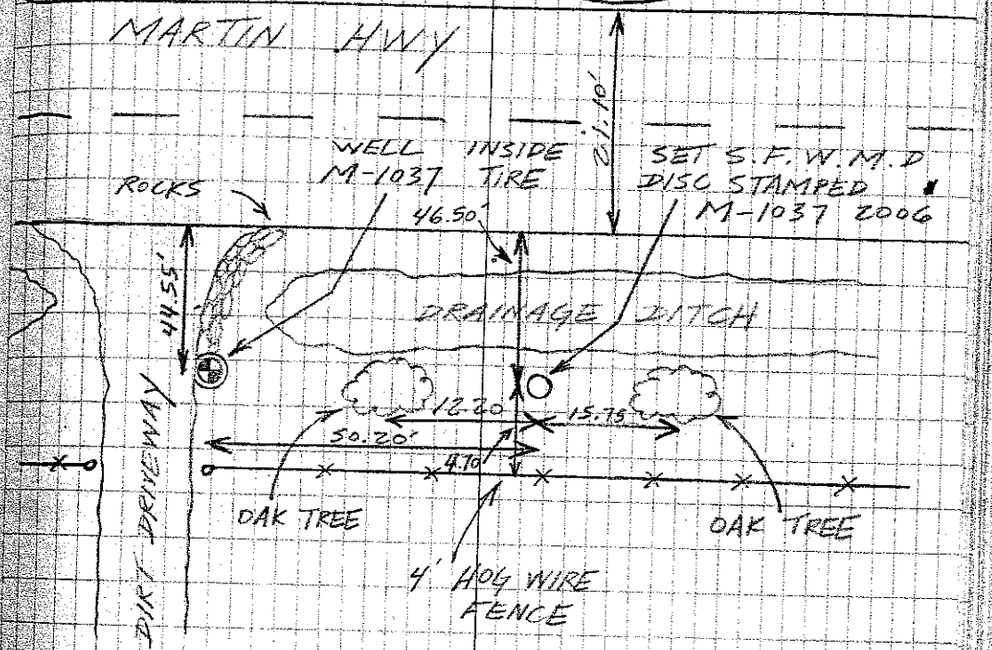
SKETCH FOR WELL SITE M-1037





SAME . #03-77616
CREW . S.F.W.M.D

1/12/06 " SITE-Q "

(ESTABLISH ELEV ON WELL M-1248)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	3.560							I95 85 A11
BM	3.060	3.060	46.440 ✓				43.38 ✓	NGS# AF7173 (A11) NAVD 88
	2.560							FDOT BRASS D. IN CONC MON.
								STAMPED I 95 85 A11
				17.600				
TP#1				17.010	17.010	29.430	✓	CUT NL
				16.420				
	6.700							
SHAKE	5.315	5.315	34.745 ✓					CUT NL
	3.930							
				6.700				
TP#2				5.240	5.240	29.505	✓	60 D SPIKE
				3.780				
	6.500							
SHAKE	4.975	4.975	34.480 ✓					60 D SPIKE
	3.450							
				6.890				
TP#3				5.310	5.31	29.170	✓	60 D SPIKE
				3.730				
	7.200							
SHAKE	5.760	5.760	34.930 ✓					60 D SPIKE
	4.320							
				6.640				
TP#4				5.120	5.120	29.810	✓	60 D SPIKE
				3.600				
	6.210							
SHAKE	4.575	4.575	34.385 ✓					60 D SPIKE
	2.940							

SAME CREW

#03-77616 S.F.W.M.D.

1/12/06 " SITE-Q "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				6.580				
TP# 5				4.970	4.970	29.415	✓	60 D SPIKE
				3.360				
	6.500			✓				
SHAKE	5.685	5.685	35.100					60 D SPIKE
	4.870							
				5.640				
DISC M-1248				4.930	4.930	30.170	✓	SET S.F.W.M.D DISC STAMPED M-1248 2006
				4.220				
	5.980			✓				
SHAKE	5.270	5.270	35.440					" "
	4.560							
				5.890				
WELL M-1248				5.185	5.185	30.255	✓	TOP OF PIPE WELL M-1248 (PVC)
				4.480				
	5.590							
SHAKE	4.880	4.880	35.135	✓				" "
	4.170							
				6.540				
TP# 6				5.720	5.720	29.415	✓	60 D SPIKE
				4.900				
	6.530			✓				
SHAKE	4.920	4.920	34.335					60 D SPIKE
	3.310							
				6.160				
TP# 7				4.525	4.525	29.810	✓	60 D SPIKE
				2.890				

SAME CREW

#03-77616
S.F.W.M.D

1/12/06 " SITE -Q "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	6.655							
SHAKE	5.130	5.130	34.940	✓				60 D SPIKE
	3.605							
				7.210				
TP#8				5.770	5.770	29.170	✓	60 D SPIKE
				4.330				
	6.920							
SHAKE	5.340	5.340	34.510	✓				60 D SPIKE
	3.760							
				6.510				
TP#9				4.990	4.990	29.520	✓	60 D SPIKE
				3.470				
	6.780							
SHAKE	5.320	5.320	34.840	✓				60 D SPIKE
	3.960							
				6.770				
TP#10				5.390	5.390	29.450	✓	60 D SPIKE
				4.010				
	18.060							
SHAKE	17.465	17.465	46.915	✓				60 D SPIKE
	16.870							
				0.750				
				0.420	0.420	46.495 ✓	46.41 ✓	I 95 85 A11 RM1
BM				0.090				NGS # AF 7174 (A11 RM1) NAVD 88
						ERR = 0.025		FDOT BRASS D. IN CONC. GUARDRAIL
								STAMPED I-95 85 A11 RM NO.1

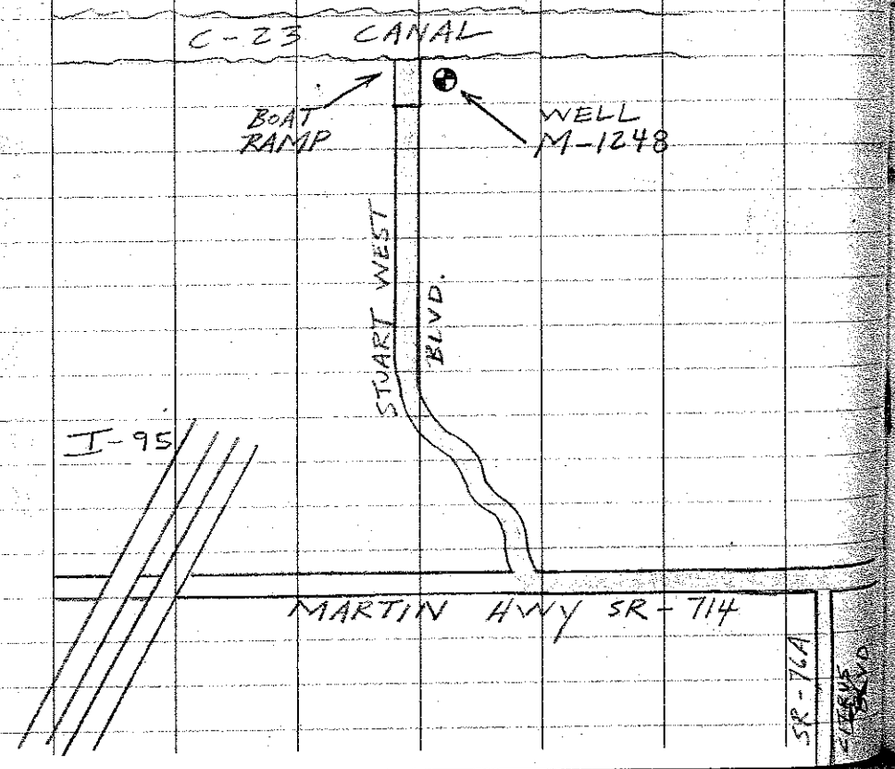
SAME CREW

1/12/06

#03-77616
S.F.W.M.D

(SITE-Q DESCRIPTION)

DIRECTIONS - FROM THE INTERSECTION OF SR-714 MARTIN HWY AND SR-76A CITRUS BLVD. TRAVEL WEST ON MARTIN HWY FOR 3.9 MILES TO THE ENTRANCE OF COBBLESTONE. CHECK IN AT SECURITY GATE AND FOLLOW THE ROAD NORTH FOR 3.3 MILES TO THE BOAT RAMP. THE WELL IS EAST OF THE BOAT RAMP ON THE OTHER SIDE OF THE FENCE.



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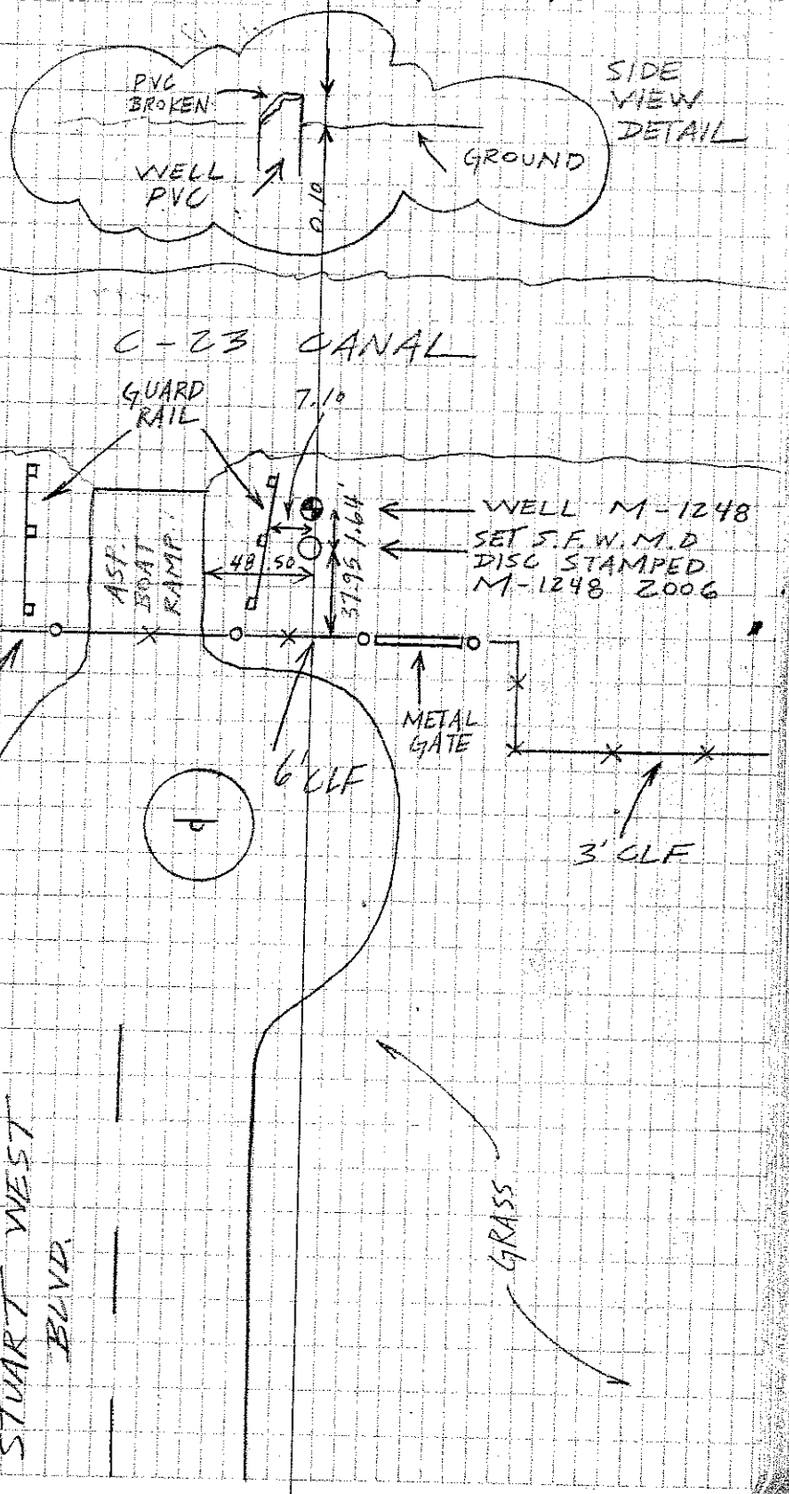
SKETCH OF WELL SITE M-1248



A. REDERO
T. LOPEZ
A. FERNANDEZ

#03-7761G
S.F.W.M.D

"SITE-R"

1/13/06

(ESTABLISH ELEV ON WELL MW-1267)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	4.490			✓			✓
BM	3.985	3.985	9.625				5.640
	3.480						
				7.210			
TP#1				5.170	5.170	4.455	✓
				3.130			
	6.850						
SHAKE	5.125	5.125	9.580	✓			
	3.400						
				7.830			
TP#2				5.940	5.940	3.640	✓
				4.060			
	6.550						
SHAKE	4.615	4.615	8.255	✓			
	2.680						
				6.060			
TP#3				4.350	4.350	3.905	✓
				2.640			
	7.225						
SHAKE	5.475	5.475	9.380	✓			
	3.725						
				9.110			
TP#4				7.090	7.090	2.290	✓
				5.070			
	8.410						
SHAKE	6.920	6.92	9.210	✓			
	5.430						

DESC ✓
NGS # AJ5614 (SLR 300) NAVD88
BRASS D. IN CONC OF FISHING PIER
STAMPED SLR 300 JAX 1992

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

SAME CREW

#02-17616
S.F.W.M.D

1/13/06

"SITE-R"

(ELEV. CONT.)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				7.350				
TP#5				5.380	5.380	3.830	✓	CUT NL
				3.410				
	4.090							
SHAKE	2.220	2.220	6.050	✓				CUT NL
	0.350							
				4.860				
TP#6				2.870	2.870	3.180	✓	CUT NL
				0.880				
	7.910							
SHAKE	6.080	6.080	9.260	✓				CUT NL
	4.250							
				7.460				
TP#7				5.785	5.785	3.475	✓	CUT NL
				4.110				
	7.000							
SHAKE	5.435	5.435	8.910	✓				CUT NL
	3.870							
				7.450				
TBM#1				5.925	5.925	2.985	✓	MAG NL & TT
				4.400				
	7.740							
SHAKE	6.560	6.560	9.545	✓				MAG NL & TT
	5.380							
				7.905				
TBM#2				6.575	6.575	2.970	✓	MAG NL & TT
				5.245				

SAME CREW

1/13/06

#03-77616
S.F.W.M.D.
"SITE-R"
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV.	DESC
	7.500							
SHAKE	5.825	5.825	8.795	✓				MAG NL & TT
	4.150							
				6.890				
TP#8				5.320	5.320	3.475	✓	CUT NL
				3.750				
	7.380							
SHAKE	5.705	5.705	9.180	✓				CUT NL
	4.030							
				7.830				
TP#9				6.000	6.000	3.180	✓	CUT NL
				4.170				
	4.950							
SHAKE	2.960	2.960	6.140	✓				CUT NL
	0.970							
				4.180				
TP#10				2.310	2.310	3.830	✓	CUT NL
				0.440				
	7.180							
SHAKE	5.210	5.210	9.040	✓				CUT NL
	3.240							
				8.230				
TP#11				6.745	6.745	2.295	✓	CUT NL
				5.260				
	9.060							
SHAKE	7.045	7.045	9.340	✓				CUT NL
	5.030							

SAME CREW

#03-17616 S.E.W.M.D

1/13/06

" SITE-R "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV	DESC
				7.170				
TP#12				5.425	5.425	3.915	✓	CUT NL
				3.680				
	6.015			✓				
SHAKE	4.305	4.305	8.220					CUT NL
	2.595							
				6.500				
TP#13				4.570	4.570	3.650	✓	CUT NL
				2.640				
	7.760			✓				
SHAKE	5.870	5.870	9.520					CUT NL
	3.980							
				6.770				
TP#14				5.050	5.050	4.470	✓	CUT NL
				3.330				
	7.680			✓				
SHAKE	5.615	5.615	10.085					CUT NL
	3.550							
				4.910				
TP#15				4.430	4.430	5.655	✓	BRASS D.
				3.950				
	6.500			✓				
SHAKE	5.070	5.070	10.725					BRASS D.
	3.640							
				7.690		✓	✓	NGS # AF 7129 (SLR 39) NAVD 88 ✓
BM				5.230	5.230	5.495	5.480	BRASS D. IN CONC OF FISHING PIER
				7.770		ERR=-0.015	✓	STAMPED SLR 39 1972 JAX FL

SAME CREW

#03-17616
S.F.W.M.D.

1/13/06

" SITE-R"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	5.850							
TBM#1	5.690	5.690	8.675				2.985	MAG NL & TT
	5.530							
				4.550				
WELL M-1267				4.270	4.270	4.405		TOP OF PIPE WELL M-1267 (PVC)
				3.990				
	4.590							" "
SHAKE	4.245	4.245	8.65					
	3.900							
				5.645				
DISC M-1267				5.065	5.065	3.585		SET S.F.W.M.D DISC STAMPED M-1267 2006
				4.485				
	5.840							" "
SHAKE	5.260	5.260	8.845					
	4.680							
				6.140				
TBM#2				5.870	5.870	2.975	2.97	MAG NL & TT
				5.600				
						ERROR	0.005	

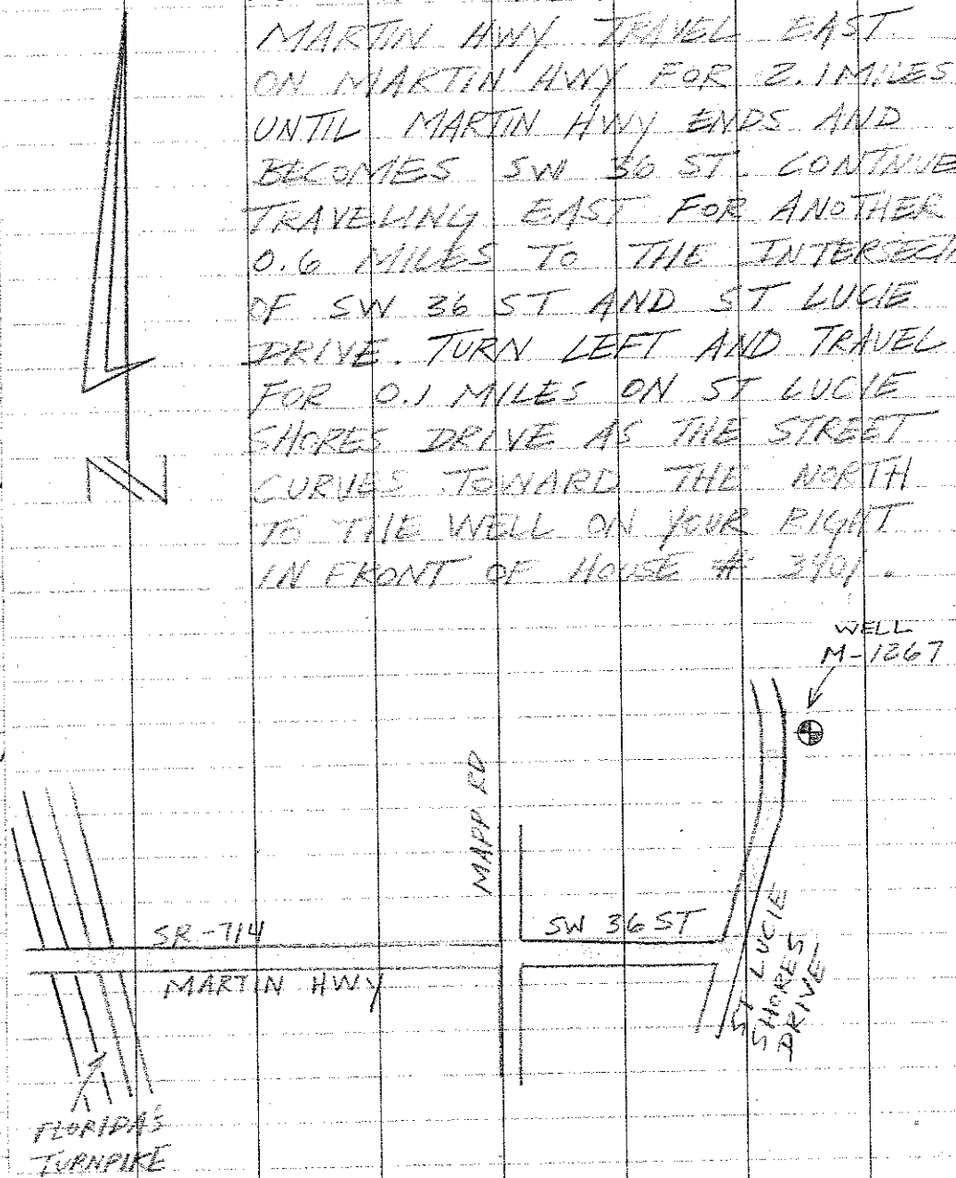
SAME CREW

1/13/06

#03-7761G
S.F.W.M.D.

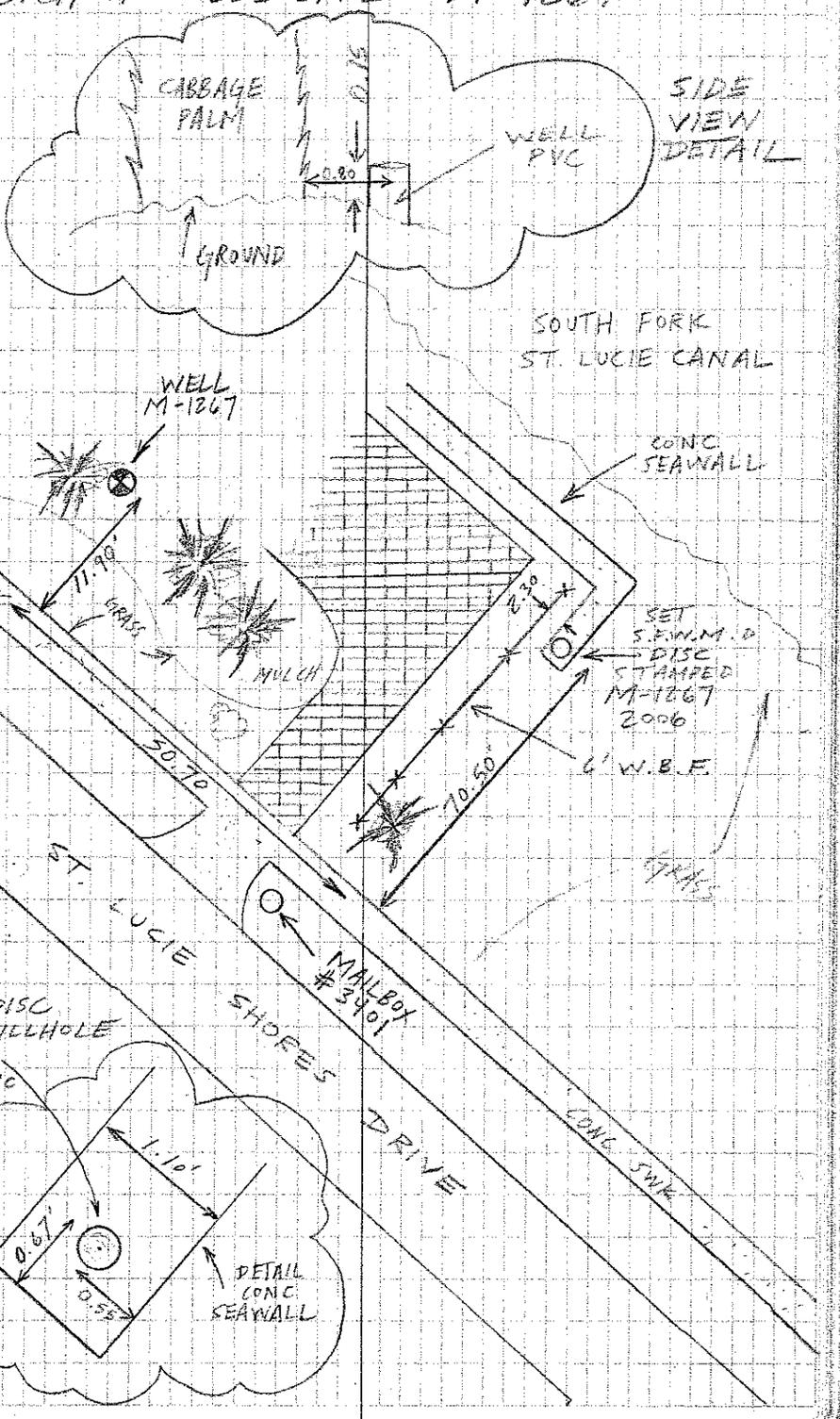
(SITE-R DESCRIPTION)

DIRECTIONS - FROM THE INTERSECTION OF FLORIDA'S TURNPIKE AND SR-714 MARTIN HWY. TRAVEL EAST ON MARTIN HWY FOR 2.1 MILES UNTIL MARTIN HWY ENDS AND BECOMES SW 36 ST. CONTINUE TRAVELING EAST FOR ANOTHER 0.6 MILES TO THE INTERSECTION OF SW 36 ST AND ST LUCIE DRIVE. TURN LEFT AND TRAVEL FOR 0.1 MILES ON ST LUCIE SHORES DRIVE AS THE STREET CURVES TOWARD THE NORTH TO THE WELL ON YOUR RIGHT IN FRONT OF HOUSE # 3401.



2564 / 48

SKETCH OF WELL SITE M-1267



A. REDERO
I. LOPEZ
A. LOPEZ

1/12/06

#03-77616
S.E. N.M.D.

"SITE - 5"

(ESTABLISH ELEV. ON WELL M-1043)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	13.170						✓
BM	11.865	11.865	36.715	✓			14.85
	10.560						
				1.220			
TP#1				0.780	0.780	25.935	✓
				0.340			
	11.350						
SHAKE	10.410	10.410	36.345	✓			
	9.470						
				7.150			
TP#2				6.0350	6.035	30.310	✓
				4.920			
	11.480						
SHAKE	10.640	10.640	40.950	✓			
	9.800						
				11.920			
TP#3				10.730	10.730	30.220	✓
				9.540			
	1.460			✓			
SHAKE	0.860	0.860	31.080				
	0.260						
				9.380			
TP#4				8.320	8.320	22.760	✓
				7.260			
	3.300						
SHAKE	2.580	2.580	25.340	✓			
	1.860						

DESC ✓
NGS #AJ5264 (GCY D22) NAVD 88
BRASS D. IN CONC MON.
STAMPED GCY D22 2001

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

SAME CREW

#03-77616
S.F.W.M.D.
" SITE - 5 "
(ELEV. CONT)

1/17/06

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				3.860				
TBM#1				2.865	2.865	22.475	✓	MAG NL & TT
				1.870				
	4.180							
SHAKE	3.195	3.195	25.670	✓				MAG NL & TT
	2.210							
				4.120				
TBM#2				3.120	3.180	22.550	✓	MAG NL & TT
				2.120				
	3.780							
SHAKE	2.770	2.770	25.320	✓				MAG NL & TT
	1.760							
				3.270				
TP#5				2.560	2.560	22.760	✓	CUT NL
				1.850				
	9.300							
SHAKE	8.240	8.240	31.000	✓				CUT NL
	7.180							
				1.380				
TP#6				0.780	0.780	30.220	✓	CUT NL
				0.180				
	12.400							
SHAKE	11.220	11.220	41.440	✓				CUT NL
	10.040							
				11.960				
TP#7				11.130	11.130	30.310	✓	CUT NL
				10.300				

A. REDERO
T. LOPEZ
A. LOPEZ

#03 - 77616
S.F.W.M.D.

1/13/06

"SITE - 5"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	7.290							
SHAKE	6.175	6.175	36.485	✓				CUT NL
	5.060							
				11.490				
TP#8				10.550	10.550	25.935	✓	CUT NL
				9.610				
	1.760							
SHAKE	1.320	1.320	27.255	✓				CUT NL
	0.880							
				13.450				
TP#9				12.155	12.155	15.100	✓	CUT NL
				10.860				
	3.670							
SHAKE	2.155	2.155	17.255	✓				CUT NL
	0.640							
				8.540				
TP#10				6.495	6.495	10.760	✓	CUT NL
				4.450				
	11.530							
SHAKE	9.985	9.985	20.745	✓				CUT NL
	8.440							
				2.760				
TP#11				1.760	1.760	18.985	✓	CUT NL
				0.760				
	10.850							
SHAKE	9.100	9.100	28.095	✓				CUT NL
	7.350							

SAME CREW

#03-77616
S.F.W.M.D

1/18/06

"SITE-S"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
				8.590				
TP#12				7.370	7.370	20.715	✓	CUT NL
				6.150				
	5.460							
SHAKE	4.620	4.620	25.335	✓				CUT NL
	3.780							
				9.545		✓	✓	NGS # AJ5265 (GCY ✓ D23) NAVD 88
BM				8.645	8.645	16.690	16.690	BRASS D. IN CONC MON.
				7.745		ERR=0.010 ✓		STAMPED GCY D23 2001

SAME CREW

1/18/06

#03-77616
S.F.W.M.D.

"SITE-5"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	5.620							
TBM#1	5.405	5.405	27.880	✓			22.475	MAG NL & TT
	5.190							
				1.980				
WELL M-1043				1.630	1.630	26.250	✓	TOP OF PIPE WELL M-1043 (PVC)
				1.430				
	3.430							
SHAKE	2.360	2.350	28.600	✓				" "
	2.270							
				6.490				
DISC M-1043				6.420	6.420	22.180	✓	SET S.F.W.M.D DISC STAMPED M-1043 2006
				6.350				
	9.140							
SHAKE	8.945	8.945	31.125	✓				" "
	8.750							
				8.825		✓	✓	
TBM#2				8.575	8.575	22.550	22.550	MAG NL & TT
				8.325		ERR = 0.000	✓	

2564/54

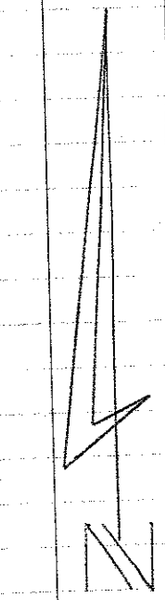
NAME
CREW

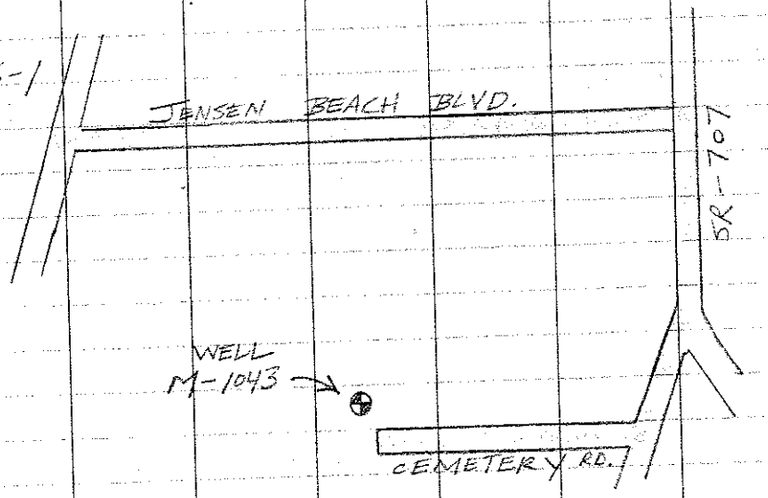
#03-7761G
S.F.W.M.D.

1/18/06

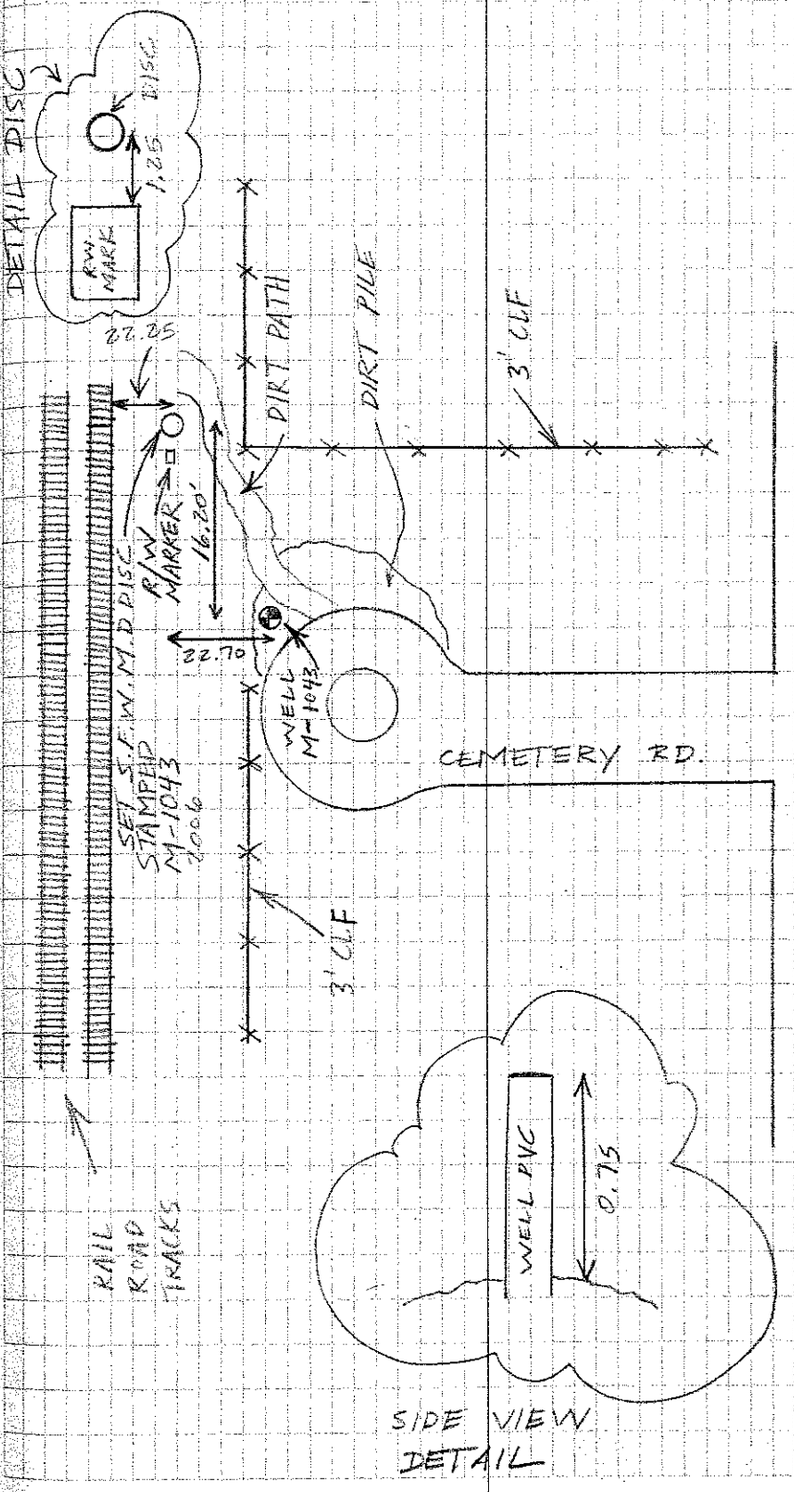
(SITE-S DESCRIPTION)

DIRECTIONS - FROM THE INTERSECTION OF US-1 AND JENSEN BEACH BLVD TRAVEL EAST ON JENSEN BEACH BLVD FOR 2.85 MILES TO SR-707, TURN RIGHT AND HEAD SOUTH FOR 0.9 MILES UNTIL THE ROAD FORKS, TAKE THE RIGHT FORK AND THEN TURN RIGHT INTO THE ALL SAINTS EPISCOPAL CHURCH CEMETERY AND TRAVEL WEST ON THE CEMETERY RD. FOR 0.33 TO THE BACK OF THE CEMETERY. THE WELL IS TO THE RIGHT AND BEHIND A LARGE PILE OF DIRT.





SKETCH of WELL SITE M-1043



SAME CREW

1/18/06

#03-17616
S.F.W.M.D.

SITE -T-

(ESTABLISH ELEV ON WELL SITE M-1259)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	9.710						✓
BM	7.875	7.875	20.285	✓			12.410
	6.040						
				6.120			
				4.760	4.760	15.525	✓
TP#1				3.400			
	6.360						
SHAKE	4.780	4.780	20.305	✓			
	3.200						
				6.140			
				4.530	4.530	15.775	✓
TP#2				2.920			
	6.330						
SHAKE	4.540	4.54	20.315	✓			
	2.750						
				6.115			
				4.545	4.545	15.770	✓
TP#3				2.975			
	6.530						
SHAKE	4.150	4.150	19.920	✓			
	1.770						
				7.030			
				5.350	5.350	14.570	✓
TBM#1				3.670			
	7.100						
SHAKE	6.250	6.250	20.820	✓			
	5.400						

DESC ✓

NGS # AJ 5248 (GCY DOS) NAVD 88

BRASS D. IN CONC. MON.

STAMPED GCY DOS 2001

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

MAG NL & TT

MAG NL & TT

SAME CREW

#03-77616
S.F.W.M.D.

1/18/06

"SITE-T"

(ELEV CONT.)

STA	BS	MEAN	HI	FS	MEAN	ELEV	PM ELEV
				7.305			
TBM#2				6.465	6.465	14.355	✓
				5.625			
	9.130						
SHAKE	7.635	7.635	21.990	✓			
	6.140						
				6.760			
TP#4				5.045	5.045	16.945	✓
				3.330			
	6.360						
SHAKE	4.380	4.380	21.325	✓			
	2.400						
				7.140			
TP#5				5.130	5.130	16.195	✓
				3.120			
	6.780						
SHAKE	4.440	4.440	20.635	✓			
	2.100						
				7.030			
TP#6				4.975	4.975	15.660	✓
				2.920			
	6.800						
SHAKE	4.540	4.540	20.200	✓			
	2.280						
				6.320			
TP#7				4.370	4.370	15.830	✓
				2.420			

DESC

MAG NL & TT

MAG NL & TT

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

SAME CREW — #03-77616 S.E.W.M.D

1/19/96 — " SITE -T "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	6.940			✓				CUT NL
SHAKE	4.700	4.700	20.530					
	2.460							
				6.860				CUT NL
TP#8				4.690	4.690	15.840	✓	
				2.520				
	6.900							CUT NL
SHAKE	4.590	4.590	20.430	✓				
	2.280							
				6.660			✓	CUT NL
TP#9				4.970	4.970	15.460		
				3.280				
	6.385							CUT NL
SHAKE	4.735	4.735	20.195	✓				
	3.085							
				8.520		✓	✓	NGS # AJ 5621 (M516) NAVD 88
BM				8.010	8.010	12.185	2.150	BRASS D. IN CONC MON.
				7.500		ERR = 0.035 ✓		STAMPED M516 2001

A. REDERO
T. LOPEZ
A. LOPEZ

2/22/06

#03-77616
S.F.W.M.D.

"SITE-T"

(ELEV CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	4.620							
TBM#1	4.355	4.355	18.925				14.570	MAG NL & TT See pg 55
	4.090							
				6.030				
WELL M-1259				5.660	5.660	13.265		TOP OF PIPE WELL M-1259 (PVC)
				5.290				
	5.575							
SHAKE	5.205	5.205	18.470					" "
	4.835							
				5.190				
DISC M-1259				4.830	4.830	13.640		SET S.F.W.M.D. DISC STAMPED M-1259 2006
				4.470				
	5.700							
SHAKE	5.345	5.345	18.985					" "
	4.990							
				4.890				
TBM#2				4.620	4.620	14.365	14.355	MAG NL & TT
				4.350				

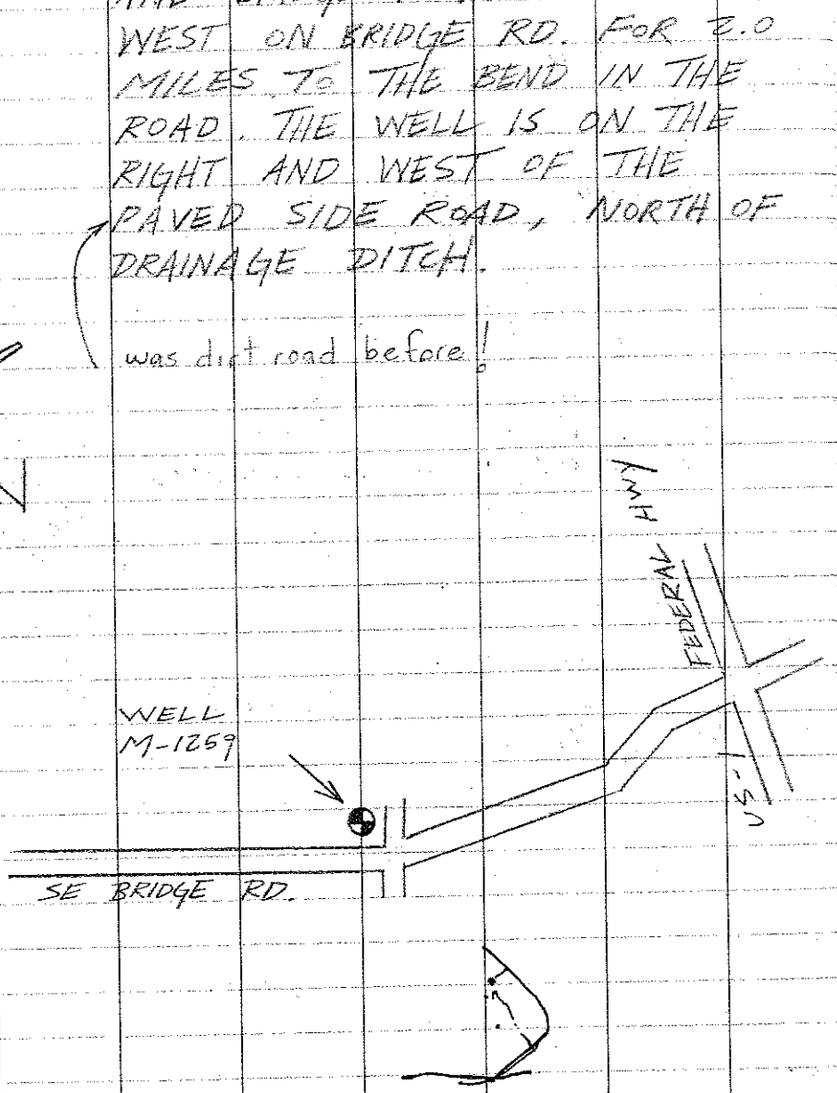
SAME CREW

#03-17616
S.F.W.M.D

(SITE-T DESCRIPTION)

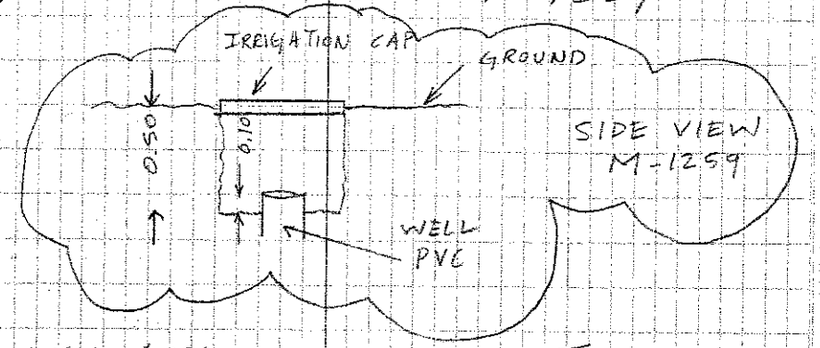
DIRECTIONS - FROM THE INTERSECTION OF US-1 AND BRIDGE RD. SR-708. TRAVEL WEST ON BRIDGE RD. FOR 2.0 MILES TO THE BEND IN THE ROAD. THE WELL IS ON THE RIGHT AND WEST OF THE PAVED SIDE ROAD, NORTH OF DRAINAGE DITCH.

was dirt road before!

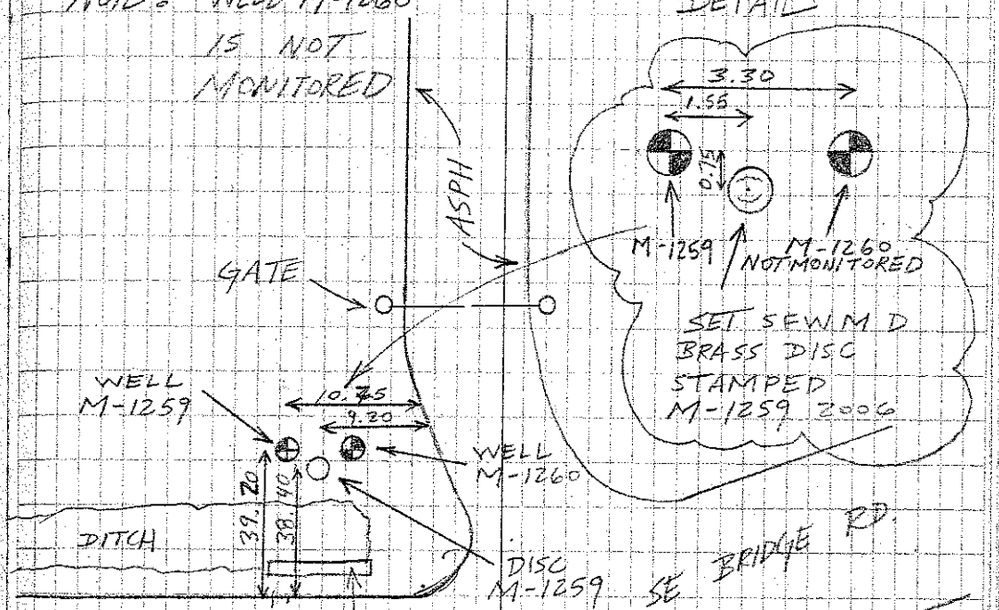


2564/59

SKETCH OF WELL SITE M-1259



NOTE: WELL M-1260 IS NOT MONITORED



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 04/11/06

COUNTY MARTIN	**PROJECT "CONSOLIDATED CITRUS GROUP" GROVE**	**DESIGNATION M1085 2006**
SECTION 13, 18	**TOWNSHIP 40S**	**RANGE 38, 39E**
GEOGRAPHIC INDEX OF QUAD Florida		
Established by Biscayne Engineering Company, Inc.	**NAME OF QUADRANGLE BIG MOUND NORTH #2404**	
SURVEYOR Mike J. Bartholomew **DATE** 04 / 11 / 2006	**FIELD BOOK 2564 PAGE 09**	

HORIZONTAL DATUM: **1927** **1983** **Other**_____ (circle one) ZONE 0901 (EAST)

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 **M1085** (U.S. Survey feet)	**X= 824535.618**	**Y= 966320.499**	**DISC EL.= 25.14'** **(NAVD-88)**

LATITUDE M1085 26º59'28.351"N LONGITUDE 080º28'58.699"W

DESCRIPTION

Benchmark is situated South of State Road 76 (Kanner Hwy), and West of State Road 710 (Warfield Blvd.) on the Consolidated Citrus Group Grove property, Martin County, Florida.

TO REACH the benchmark from the intersection of SR-710 and SR-76, travel West on SR-76 for 1.8 miles to the entrance of Consolidated Citrus Group Grove. Thence turn left and travel South on a dirt road through the grove for 1.1 miles along the east side of the drainage ditch. Benchmark is a set brass SFWMD disc lying 7.0 feet West of the West edge of another dirt road which lies West of the drainage ditch, 8' North of a blue and orange irrigation valve, and 3' East of an Orange PVC pipe protruding from the ground.

Note: Origin of NAVD88 elevation for BM "M1085" is closed bench level circuit through NGS benchmarks AJ8242 (F522) and AJ8241 (E522).

SKETCH: SEE PAGE 2 and 3

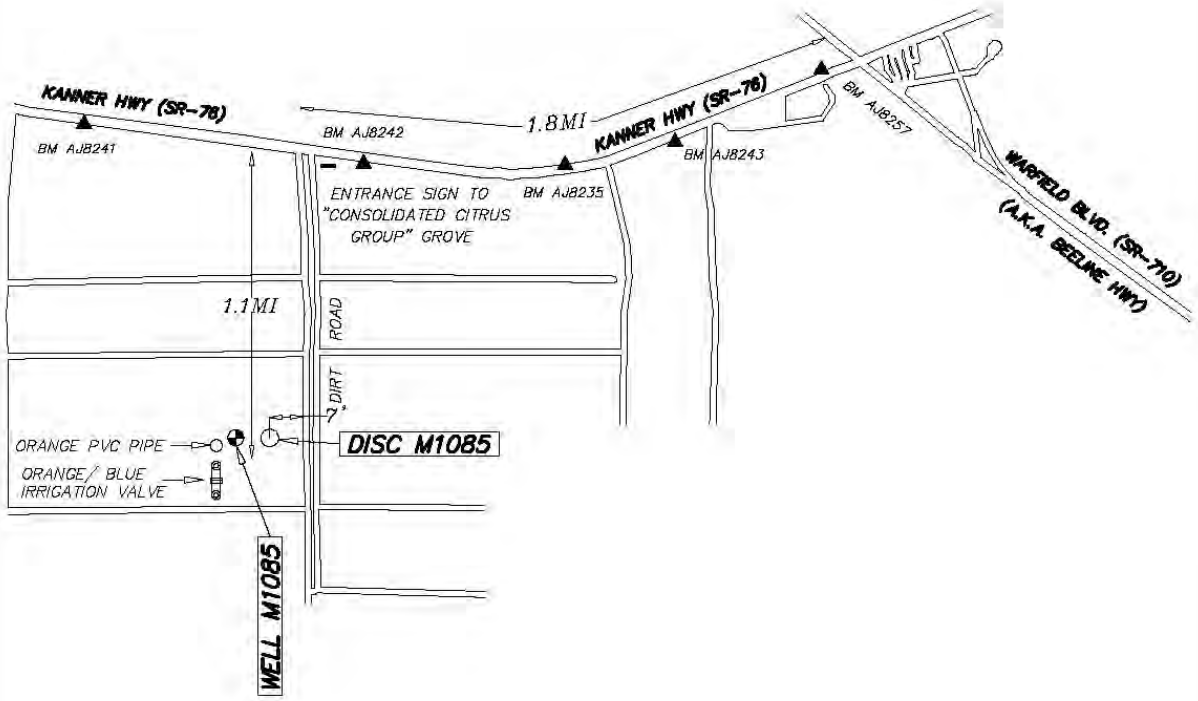
WELL M1085

"CONSOLIDATED CITRUS GROUP" GROVE

SHEET 1 OF 2

N

B . E . C.
N.T.S.



WELL M1085

EAST COAST AQUIFER MONITORING WELLS

F:\SURVEY\PROJECTS\77600's\77616-SFWMD MARTIN COUNTY-PHASE II\DWG\Martin Wells-phase-2_GPS.dwg 4/11/2006 8:29:45 AM EDT

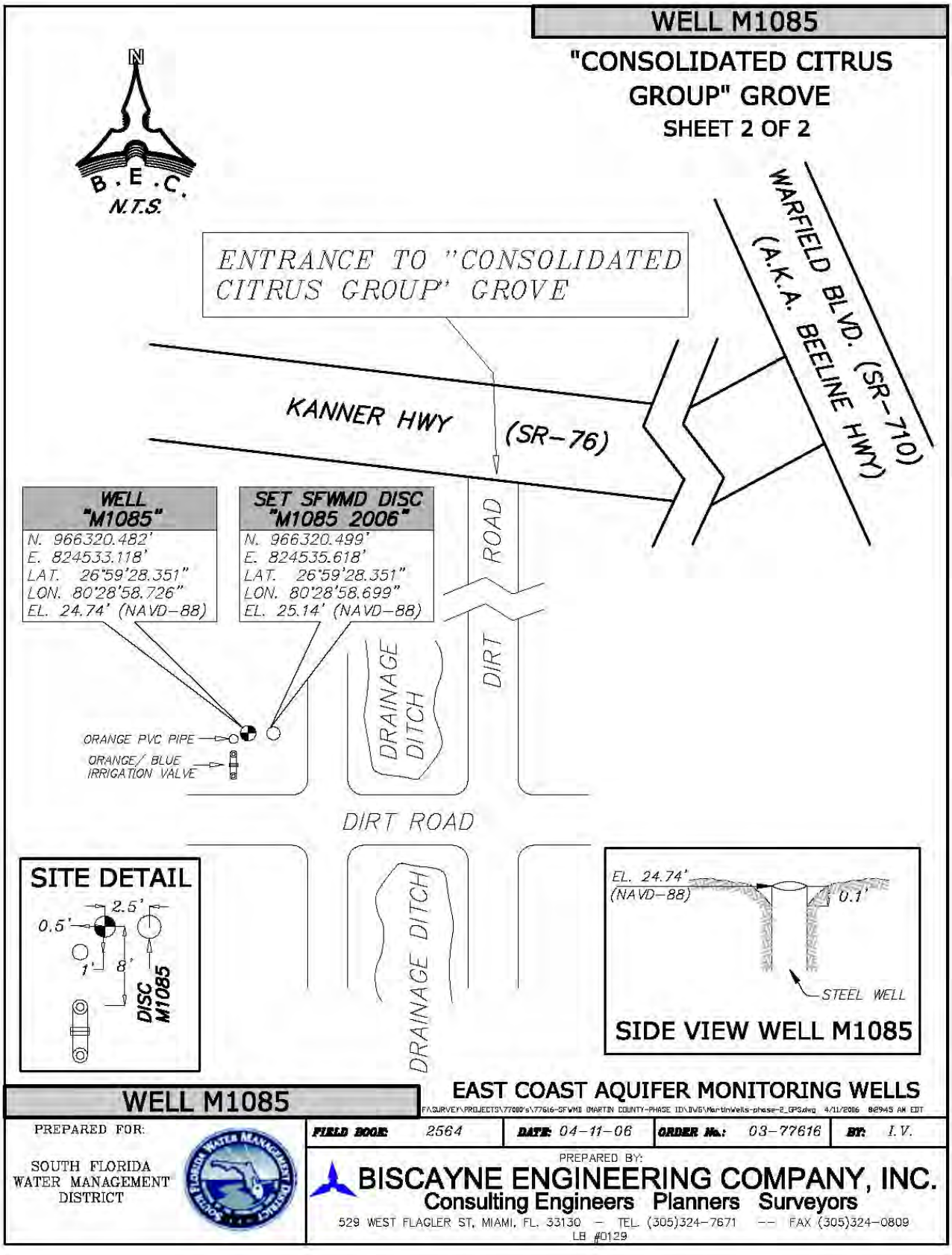
PREPARED FOR:

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

FIELD BOOK:	2564	DATE:	04-11-06	ORDER No.:	03-77616	BY:	I.V.

PREPARED BY:

BISCAYNE ENGINEERING COMPANY, INC.
Consulting Engineers Planners Surveyors
529 WEST FLAGLER ST, MIAMI, FL. 33130 – TEL. (305)324-7671 -- FAX (305)324-0809
LB #0129


WELL M1085
"CONSOLIDATED CITRUS GROUP" GROVE
SHEET 2 OF 2
N
B . E . C .
N.T.S.
ENTRANCE TO "CONSOLIDATED CITRUS GROUP" GROVE
WARFIELD BLVD. (SR-710)
(A.K.A. BEELINE HWY)
KANNER HWY
(SR-76)
WELL "M1085"
N. 966320.482'
E. 824533.118'
LAT. 26°59'28.351"
LON. 80°28'58.726"
EL. 24.74' (NAVD-88)
SET SFWMD DISC "M1085 2006"
N. 966320.499'
E. 824535.618'
LAT. 26°59'28.351"
LON. 80°28'58.699"
EL. 25.14' (NAVD-88)
ROAD
DIRT
DRAINAGE DITCH
ORANGE PVC PIPE
ORANGE/ BLUE IRRIGATION VALVE
DIRT ROAD
DRAINAGE DITCH
SITE DETAIL
2.5'
0.5'
1'
8'
DISC M1085
EL. 24.74' (NAVD-88)
0.1'
STEEL WELL
SIDE VIEW WELL M1085
WELL M1085
EAST COAST AQUIFER MONITORING WELLS
F:\SURVEY\PROJECTS\77000's\77616-SFWMD (MARTIN COUNTY-PHASE II\DWG\MartinWells-phase-2_GPS.dwg 4/11/2006 8:29:43 AM EDT
PREPARED FOR:
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
FIELD BOOK: 2564
DATE: 04-11-06
ORDER No.: 03-77616
BY: I.V.
PREPARED BY:
BISCAYNE ENGINEERING COMPANY, INC.
Consulting Engineers Planners Surveyors
529 WEST FLAGLER ST, MIAMI, FL. 33130 – TEL. (305)324-7671 -- FAX (305)324-0809
LB #0129

From the "ngvd29.txt" file provided by NGS for the CERP Geodetic Vertical Control Project.
Line/Part: L26243 SSN+: mark floated, SSN*: mark constrained, SSN#: mark floated & constrained

Mark ID	SSN	PID	Designation	Geopotential	Elevation	Codes
1750	2909	AJ8241	E 522	9.0464	9.2310	
1751	2910	AJ8242	F 522	9.6706	9.8680	

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.30
1        National Geodetic Survey,   Retrieval Date = JANUARY 16, 2006
 AJ8242 ***********************************************************************
 AJ8242  DESIGNATION -  F 522
 AJ8242  PID         -  AJ8242
 AJ8242  STATE/COUNTY-  FL/MARTIN
 AJ8242  USGS QUAD   -  INDIANTOWN (1983)
 AJ8242
 AJ8242                        *CURRENT SURVEY CONTROL
 AJ8242  ______________________________________________________________________
 AJ8242* NAD 83(1999)-  27 00 26.31271(N)    080 28 46.75314(W)     ADJUSTED
 AJ8242* NAVD 88     -         9.473  (meters)      31.08   (feet)  ADJUSTED
 AJ8242  ______________________________________________________________________
 AJ8242  X           -     940,535.348 (meters)                     COMP
 AJ8242  Y           -  -5,608,182.728 (meters)                     COMP
 AJ8242  Z           -   2,878,929.385 (meters)                     COMP
 AJ8242  LAPLACE CORR-          -2.12  (seconds)                    DEFLEC99
 AJ8242  ELLIP HEIGHT-         -17.11  (meters)          (12/12/02) GPS OBS
 AJ8242  GEOID HEIGHT-         -26.58  (meters)                     GEOID03
 AJ8242  DYNAMIC HT  -           9.459 (meters)      31.03  (feet)  COMP
 AJ8242  MODELED GRAV-     979,091.6   (mgal)                       NAVD 88
 AJ8242
 AJ8242  HORZ ORDER  -  FIRST
 AJ8242  VERT ORDER  -  FIRST     CLASS II
 AJ8242  ELLP ORDER  -  THIRD     CLASS I
 AJ8242
 AJ8242.The horizontal coordinates were established by GPS observations
 AJ8242.and adjusted by the National Geodetic Survey in December 2002.
 AJ8242
 AJ8242.The orthometric height was determined by differential leveling
 AJ8242.and adjusted by the National Geodetic Survey in April 2002.
 AJ8242
 AJ8242.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AJ8242
 AJ8242.The Laplace correction was computed from DEFLEC99 derived deflections.
 AJ8242
 AJ8242.The ellipsoidal height was determined by GPS observations
 AJ8242.and is referenced to NAD 83.
 AJ8242
 AJ8242.The geoid height was determined by GEOID03.
 AJ8242
 AJ8242.The dynamic height is computed by dividing the NAVD 88
 AJ8242.geopotential number by the normal gravity value computed on the
 AJ8242.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AJ8242.degrees latitude (g = 980.6199 gals.).
 AJ8242
 AJ8242.The modeled gravity was interpolated from observed gravity values.
 AJ8242
 AJ8242;                    North         East     Units Scale Factor Converg.
 AJ8242;SPC FL E     -   296,320.364   251,640.963   MT  0.99997409   +0 14 10.7
 AJ8242;UTM  17      - 2,987,351.242   551,623.343   MT  0.99963290   +0 14 10.7
 AJ8242
 AJ8242!             -  Elev Factor  x  Scale Factor =   Combined Factor
```

```
AJ8242!SPC FL E      -   1.00000269  x   0.99997409  =   0.99997678
AJ8242!UTM  17       -   1.00000269  x   0.99963290  =   0.99963559
AJ8242
AJ8242                           SUPERSEDED SURVEY CONTROL
AJ8242
AJ8242  NAVD 88 (12/12/02)    9.47   (m)           31.1    (f) LEVELING    3
AJ8242
AJ8242.Superseded values are not recommended for survey control.
AJ8242.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AJ8242.See file dsdata.txt to determine how the superseded data were derived.
AJ8242
AJ8242_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK5162387351(NAD 83)
AJ8242_MARKER: F = FLANGE-ENCASED ROD
AJ8242_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
AJ8242_STAMPING: F 522 2001 CERP
AJ8242_MARK LOGO: NONE
AJ8242_PROJECTION: RECESSED 15 CENTIMETERS
AJ8242_MAGNETIC: O = OTHER; SEE DESCRIPTION
AJ8242_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AJ8242_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AJ8242+SATELLITE: SATELLITE OBSERVATIONS - April 18, 2002
AJ8242_ROD/PIPE-DEPTH: 24.4 meters
AJ8242
AJ8242  HISTORY     - Date     Condition        Report By
AJ8242  HISTORY     - 20010902 MONUMENTED       FOST
AJ8242  HISTORY     - 20020418 GOOD             MAPTEC
AJ8242
AJ8242                           STATION DESCRIPTION
AJ8242
AJ8242'DESCRIBED BY CHARLEY FOSTER AND ASSOCIATES 2001 (JB)
AJ8242'THE MONUMENT IS LOCATED 1.9 MILES (3.06 KM) WEST OF INDIANTOWN, FL.
AJ8242'AND 9.0 MILES (14.48 KM) EAST OF
AJ8242'PORT MAYACA, FL., SECTION 7, TOWNSHIP 40 SOUTH, RANGE 39 EAST.
AJ8242'
AJ8242'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8242'
AJ8242'TO REACH MONUMENT FROM THE JUNCTION OF THE STATE ROAD 710 RAMP AND
AJ8242'STATE ROAD 76 IN
AJ8242'INDIANTOWN, GO WEST 1.9 MILES (3.06 KM) ALONG STATE ROAD 76 TO THE
AJ8242'MONUMENT ON THE SOUTH (LEFT)
AJ8242'SIDE OF THE ROAD IN THE RIGHT OF WAY. THE MONUMENT LOCATION IS 0.15
AJ8242'MILES (0.24 KM) EAST OF THE
AJ8242'ENTRANCE TO CONSOLIDATED CITRUS (TESORO GROVE).
AJ8242'
AJ8242'THE MONUMENT IS 46.3 FEET (14.11 M) SOUTH OF THE CENTERLINE OF THE
AJ8242'ROAD, 65.6 FEET (19.99 M) WEST OF
AJ8242'POWER POLE NO. 65, 4.3 FEET (1.31 M) NORTH OF A BARBED WIRE FENCE AND
AJ8242'4.0 FEET (1.22 M) NORTH OF A
AJ8242'CARSONITE WITNESS POST. ACCESS TO THE DATUM POINT (TOP OF A STAINLESS
AJ8242'STEEL ROD) IS HAD
AJ8242'THROUGH A 5 INCH LOGO CAP. NOTE A MAGNET WAS PLACED INSIDE THE PVC
AJ8242'PIPE.
AJ8242'
AJ8242
AJ8242                           STATION RECOVERY (2002)
AJ8242
AJ8242'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
AJ8242'THE MONUMENT IS LOCATED 1.9 MILES (3.06 KM) WEST OF INDIANTOWN, FL.
AJ8242'AND 9.0 MILES (14.48 KM)
AJ8242'EAST OF
```

AJ8242'PORT MAYACA, FL., SECTION 7, TOWNSHIP 40 SOUTH, RANGE 39 EAST.
AJ8242'
AJ8242'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8242'
AJ8242'TO REACH MONUMENT FROM THE JUNCTION OF THE STATE ROAD 710 RAMP AND
AJ8242'STATE ROAD 76 IN
AJ8242'INDIANTOWN, GO WEST 1.9 MILES (3.06 KM) ALONG STATE ROAD 76 TO THE
AJ8242'MONUMENT ON THE
AJ8242'SOUTH (LEFT)
AJ8242'SIDE OF THE ROAD IN THE RIGHT OF WAY. THE MONUMENT LOCATION IS 0.15
AJ8242'MILES (0.24 KM) EAST OF
AJ8242'THE
AJ8242'ENTRANCE TO CONSOLIDATED CITRUS (TESORO GROVE).
AJ8242'
AJ8242'THE MONUMENT IS 46.3 FEET (14.11 M) SOUTH OF THE CENTERLINE OF THE
AJ8242'ROAD, 65.6 FEET (19.99 M)
AJ8242'WEST OF
AJ8242'POWER POLE NO. 65, 4.3 FEET (1.31 M) NORTH OF A BARBED WIRE FENCE AND
AJ8242'4.0 FEET (1.22 M) NORTH
AJ8242'OF A
AJ8242'CARSONITE WITNESS POST. ACCESS TO THE DATUM POINT (TOP OF A STAINLESS
AJ8242'STEEL ROD) IS HAD
AJ8242'THROUGH A 5 INCH LOGO CAP. NOTE A MAGNET WAS PLACED INSIDE THE PVC
AJ8242'PIPE.
AJ8242'
AJ8242'STATION RECOVERY (2002)
AJ8242'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CDP)
AJ8242'RECOVERED AS DESCRIBED.
AJ8242'
AJ8242'

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

From the "ngvd29.txt" file provided by NGS for the CERP Geodetic Vertical Control Project.
Line/Part: L26243 SSN+: mark floated, SSN*: mark constrained, SSN#: mark floated & constrained

Mark ID	SSN	PID	Designation	Geopotential	Elevation	Codes
1750	2909	AJ8241	E 522	9.0464	9.2310	
1751	2910	AJ8242	F 522	9.6706	9.8680	

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.30
1        National Geodetic Survey,   Retrieval Date = JANUARY 16, 2006
 AJ8241 ***********************************************************************
 AJ8241  DESIGNATION -  E 522
 AJ8241  PID         -  AJ8241
 AJ8241  STATE/COUNTY-  FL/MARTIN
 AJ8241  USGS QUAD   -  INDIANTOWN (1983)
 AJ8241
 AJ8241                         *CURRENT SURVEY CONTROL
 AJ8241  ______________________________________________________________________
 AJ8241* NAD 83(1999)-  27 00 33.05137(N)    080 29 41.55717(W)     ADJUSTED
 AJ8241* NAVD 88     -         8.842  (meters)      29.01   (feet)  ADJUSTED
 AJ8241  ______________________________________________________________________
 AJ8241  X           -     939,029.590 (meters)                     COMP
 AJ8241  Y           -  -5,608,338.988 (meters)                     COMP
 AJ8241  Z           -   2,879,113.891 (meters)                     COMP
 AJ8241  LAPLACE CORR-          -2.19  (seconds)                    DEFLEC99
 AJ8241  ELLIP HEIGHT-         -17.73  (meters)          (12/12/02) GPS OBS
 AJ8241  GEOID HEIGHT-         -26.56  (meters)                     GEOID03
 AJ8241  DYNAMIC HT  -           8.828 (meters)      28.96  (feet)  COMP
 AJ8241  MODELED GRAV-     979,092.1   (mgal)                       NAVD 88
 AJ8241
 AJ8241  HORZ ORDER  -  FIRST
 AJ8241  VERT ORDER  -  FIRST     CLASS II
 AJ8241  ELLP ORDER  -  THIRD     CLASS I
 AJ8241
 AJ8241.The horizontal coordinates were established by GPS observations
 AJ8241.and adjusted by the National Geodetic Survey in December 2002.
 AJ8241
 AJ8241.The orthometric height was determined by differential leveling
 AJ8241.and adjusted by the National Geodetic Survey in April 2002.
 AJ8241
 AJ8241.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AJ8241
 AJ8241.The Laplace correction was computed from DEFLEC99 derived deflections.
 AJ8241
 AJ8241.The ellipsoidal height was determined by GPS observations
 AJ8241.and is referenced to NAD 83.
 AJ8241
 AJ8241.The geoid height was determined by GEOID03.
 AJ8241
 AJ8241.The dynamic height is computed by dividing the NAVD 88
 AJ8241.geopotential number by the normal gravity value computed on the
 AJ8241.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AJ8241.degrees latitude (g = 980.6199 gals.).
 AJ8241
 AJ8241.The modeled gravity was interpolated from observed gravity values.
 AJ8241
 AJ8241;                    North         East     Units Scale Factor Converg.
 AJ8241;SPC FL E     -   296,521.625   250,129.292   MT  0.99997219   +0 13 45.8
 AJ8241;UTM  17      - 2,987,552.434   550,112.188   MT  0.99963100   +0 13 45.8
 AJ8241
 AJ8241!             -  Elev Factor  x  Scale Factor =   Combined Factor
```

```
AJ8241!SPC FL E      -   1.00000279  x   0.99997219  =   0.99997498
AJ8241!UTM  17       -   1.00000279  x   0.99963100  =   0.99963378
AJ8241
AJ8241                          SUPERSEDED SURVEY CONTROL
AJ8241
AJ8241  NAVD 88 (12/12/02)    8.84   (m)           29.0    (f) LEVELING    3
AJ8241
AJ8241.Superseded values are not recommended for survey control.
AJ8241.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AJ8241.See file dsdata.txt to determine how the superseded data were derived.
AJ8241
AJ8241_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK5011287552(NAD 83)
AJ8241_MARKER: DD = SURVEY DISK
AJ8241_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AJ8241_STAMPING: E 522 2001 CERP
AJ8241_MARK LOGO: USE
AJ8241_PROJECTION: RECESSED 15 CENTIMETERS
AJ8241_MAGNETIC: O = OTHER; SEE DESCRIPTION
AJ8241_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AJ8241+STABILITY: SURFACE MOTION
AJ8241_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AJ8241+SATELLITE: SATELLITE OBSERVATIONS - April 18, 2002
AJ8241
AJ8241  HISTORY      - Date     Condition        Report By
AJ8241  HISTORY      - 20010902 MONUMENTED       FOST
AJ8241  HISTORY      - 20020418 GOOD             MAPTEC
AJ8241
AJ8241                          STATION DESCRIPTION
AJ8241
AJ8241'DESCRIBED BY CHARLEY FOSTER AND ASSOCIATES 2001 (JB)
AJ8241'THE MONUMENT IS LOCATED 2.9 MILES (4.67 KM) WEST OF INDIANTOWN, FL.
AJ8241'AND 8.0 MILES (12.87 KM) EAST OF
AJ8241'PORT MAYACA, FL., SECTION 12, TOWNSHIP 40 SOUTH, RANGE 38 EAST.
AJ8241'
AJ8241'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8241'
AJ8241'TO REACH MONUMENT FROM THE JUNCTION OF THE STATE ROAD 710 RAMP AND
AJ8241'STATE ROAD 76 IN
AJ8241'INDIANTOWN, GO WEST 2.85 MILES (4.59 KM) ALONG STATE ROAD 76 TO THE
AJ8241'MONUMENT ON THE SOUTH (LEFT)
AJ8241'SIDE OF THE ROAD IN THE RIGHT OF WAY. THE MONUMENT LOCATION IS EAST OF
AJ8241'A GROUP OF FOUR HOUSES,
AJ8241'TWO ON THE NORTH SIDE OF THE HIGHWAY AND TWO ON THE SOUTH.
AJ8241'
AJ8241'THE MONUMENT IS 47.0 FEET (14.32 M) SOUTH OF THE CENTERLINE OF THE
AJ8241'ROAD, 96.0 FEET (29.26 M) WEST OF A
AJ8241'WOOD POWER POLE, 49.8 FEET (15.18 M) EAST OF A FENCE CORNER, 5.0 FEET
AJ8241'(1.52 M) NORTH OF A BARBED WIRE
AJ8241'FENCE AND 4.7 FEET (1.43 M) NORTH OF A CARSONITE WITNESS POST. NOTE A
AJ8241'MAGNET WAS BURIED NEARBY
AJ8241'AT AN UNSPECIFIED POSITION.
AJ8241'
AJ8241
AJ8241                          STATION RECOVERY (2002)
AJ8241
AJ8241'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
AJ8241'THE MONUMENT IS LOCATED 2.9 MILES (4.67 KM) WEST OF INDIANTOWN, FL.
AJ8241'AND 8.0 MILES (12.87 KM)
AJ8241'EAST OF
AJ8241'PORT MAYACA, FL., SECTION 12, TOWNSHIP 40 SOUTH, RANGE 38 EAST.
```

AJ8241'
AJ8241'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8241'
AJ8241'TO REACH MONUMENT FROM THE JUNCTION OF THE STATE ROAD 710 RAMP AND
AJ8241'STATE ROAD 76 IN
AJ8241'INDIANTOWN, GO WEST 2.85 MILES (4.59 KM) ALONG STATE ROAD 76 TO THE
AJ8241'MONUMENT ON THE
AJ8241'SOUTH (LEFT)
AJ8241'SIDE OF THE ROAD IN THE RIGHT OF WAY. THE MONUMENT LOCATION IS EAST OF
AJ8241'A GROUP OF FOUR
AJ8241'HOUSES,
AJ8241'TWO ON THE NORTH SIDE OF THE HIGHWAY AND TWO ON THE SOUTH.
AJ8241'
AJ8241'THE MONUMENT IS 47.0 FEET (14.32 M) SOUTH OF THE CENTERLINE OF THE
AJ8241'ROAD, 96.0 FEET (29.26 M)
AJ8241'WEST OF A
AJ8241'WOOD POWER POLE, 49.8 FEET (15.18 M) EAST OF A FENCE CORNER, 5.0 FEET
AJ8241'(1.52 M) NORTH OF A
AJ8241'BARBED WIRE
AJ8241'FENCE AND 4.7 FEET (1.43 M) NORTH OF A CARSONITE WITNESS POST. NOTE A
AJ8241'MAGNET WAS BURIED
AJ8241'NEARBY
AJ8241'AT AN UNSPECIFIED POSITION.
AJ8241'
AJ8241'STATION RECOVERY (2002)
AJ8241'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CDP)
AJ8241'RECOVERED AS DESCRIBED.
AJ8241'
AJ8241'

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

The NGS Data Sheet

See file _dsdata.txt for more information about the datasheet.

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DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.30
1        National Geodetic Survey,   Retrieval Date = JANUARY 16, 2006
 AJ8240 ***********************************************************************
 AJ8240  DESIGNATION -  D 522
 AJ8240  PID         -  AJ8240
 AJ8240  STATE/COUNTY-  FL/MARTIN
 AJ8240  USGS QUAD   -  BARLEY BARBER SWAMP (1983)
 AJ8240
 AJ8240                        *CURRENT SURVEY CONTROL
 AJ8240  ______________________________________________________________________
 AJ8240* NAD 83(1999)-  27 00 47.47571(N)    080 30 40.02155(W)     ADJUSTED
 AJ8240* NAVD 88     -         6.835  (meters)      22.42   (feet)  ADJUSTED
 AJ8240  ______________________________________________________________________
 AJ8240  X           -     937,406.373 (meters)                     COMP
 AJ8240  Y           -  -5,608,404.303 (meters)                     COMP
 AJ8240  Z           -   2,879,508.522 (meters)                     COMP
 AJ8240  LAPLACE CORR-          -2.27  (seconds)                    DEFLEC99
 AJ8240  ELLIP HEIGHT-         -19.72  (meters)          (12/12/02) GPS OBS
 AJ8240  GEOID HEIGHT-         -26.54  (meters)                     GEOID03
 AJ8240  DYNAMIC HT  -           6.825 (meters)      22.39  (feet)  COMP
 AJ8240  MODELED GRAV-     979,093.4   (mgal)                       NAVD 88
 AJ8240
 AJ8240  HORZ ORDER  -  FIRST
 AJ8240  VERT ORDER  -  FIRST     CLASS II
 AJ8240  ELLP ORDER  -  THIRD     CLASS I
 AJ8240
 AJ8240.The horizontal coordinates were established by GPS observations
 AJ8240.and adjusted by the National Geodetic Survey in December 2002.
 AJ8240
 AJ8240.The orthometric height was determined by differential leveling
 AJ8240.and adjusted by the National Geodetic Survey in April 2002.
 AJ8240
 AJ8240.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AJ8240
 AJ8240.The Laplace correction was computed from DEFLEC99 derived deflections.
 AJ8240
 AJ8240.The ellipsoidal height was determined by GPS observations
 AJ8240.and is referenced to NAD 83.
 AJ8240
 AJ8240.The geoid height was determined by GEOID03.
 AJ8240
 AJ8240.The dynamic height is computed by dividing the NAVD 88
 AJ8240.geopotential number by the normal gravity value computed on the
 AJ8240.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AJ8240.degrees latitude (g = 980.6199 gals.).
 AJ8240
 AJ8240.The modeled gravity was interpolated from observed gravity values.
 AJ8240
 AJ8240;                    North         East     Units Scale Factor Converg.
 AJ8240;SPC FL E     -   296,959.223   248,515.851   MT  0.99997022   +0 13 19.4
 AJ8240;UTM  17      - 2,987,989.883   548,499.298   MT  0.99962904   +0 13 19.4
 AJ8240
 AJ8240!             -  Elev Factor  x  Scale Factor =   Combined Factor
```

```
AJ8240!SPC FL E      -   1.00000310  x   0.99997022  =   0.99997332
AJ8240!UTM  17       -   1.00000310  x   0.99962904  =   0.99963214
AJ8240
AJ8240                          SUPERSEDED SURVEY CONTROL
AJ8240
AJ8240  NAVD 88 (12/12/02)    6.83   (m)           22.4    (f) LEVELING    3
AJ8240
AJ8240.Superseded values are not recommended for survey control.
AJ8240.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AJ8240.See file dsdata.txt to determine how the superseded data were derived.
AJ8240
AJ8240_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK4849987990(NAD 83)
AJ8240_MARKER: DD = SURVEY DISK
AJ8240_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AJ8240_STAMPING: D 522 2001 CERP
AJ8240_MARK LOGO: USE
AJ8240_PROJECTION: RECESSED 3 CENTIMETERS
AJ8240_MAGNETIC: O = OTHER; SEE DESCRIPTION
AJ8240_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AJ8240+STABILITY: SURFACE MOTION
AJ8240_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AJ8240+SATELLITE: SATELLITE OBSERVATIONS - April 18, 2002
AJ8240
AJ8240  HISTORY     - Date     Condition        Report By
AJ8240  HISTORY     - 20010902 MONUMENTED       FOST
AJ8240  HISTORY     - 20020418 GOOD             MAPTEC
AJ8240
AJ8240                          STATION DESCRIPTION
AJ8240
AJ8240'DESCRIBED BY CHARLEY FOSTER AND ASSOCIATES 2001 (JB)
AJ8240'THE MONUMENT IS LOCATED 3.9 MILES (6.28 KM) WEST OF INDIANTOWN, FL.
AJ8240'AND 6.9 MILES (11.10 KM) EAST OF
AJ8240'PORT MAYACA, FL., SECTION 11, TOWNSHIP 40 SOUTH, RANGE 38 EAST.
AJ8240'
AJ8240'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8240'
AJ8240'TO REACH MONUMENT FROM THE JUNCTION OF THE STATE ROAD 710 RAMP AND
AJ8240'STATE ROAD 76 IN
AJ8240'INDIANTOWN, GO WEST 3.9 MILES (6.28 KM) ALONG STATE ROAD 76 TO THE
AJ8240'MONUMENT ON THE SOUTH (LEFT)
AJ8240'SIDE OF THE ROAD IN THE RIGHT OF WAY. AN ACCESS ROAD TO A PUMP STATION
AJ8240'AND FIELD IS 0.3 MILES (0.48
AJ8240'KM) WEST OF THE MONUMENT LOCATION.
AJ8240'
AJ8240'THE MONUMENT IS 47.0 FEET (14.32 M) SOUTH OF THE CENTERLINE OF THE
AJ8240'ROAD, 37.7 FEET (11.49 M) EAST OF A
AJ8240'WOOD POWER POLE, 4.7 FEET (1.43 M) NORTH OF A BARBED WIRE FENCE AND
AJ8240'4.3 FEET (1.31 M) NORTH OF A
AJ8240'CARSONITE WITNESS POST. NOTE A MAGNET WAS BURIED NEARBY AT AN
AJ8240'UNSPECIFIED POSITION.
AJ8240'
AJ8240
AJ8240                          STATION RECOVERY (2002)
AJ8240
AJ8240'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
AJ8240'THE MONUMENT IS LOCATED 3.9 MILES (6.28 KM) WEST OF INDIANTOWN, FL.
AJ8240'AND 6.9 MILES (11.10 KM)
AJ8240'EAST OF
AJ8240'PORT MAYACA, FL., SECTION 11, TOWNSHIP 40 SOUTH, RANGE 38 EAST.
AJ8240'
```

AJ8240'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8240'
AJ8240'TO REACH MONUMENT FROM THE JUNCTION OF THE STATE ROAD 710 RAMP AND
AJ8240'STATE ROAD 76 IN
AJ8240'INDIANTOWN, GO WEST 3.9 MILES (6.28 KM) ALONG STATE ROAD 76 TO THE
AJ8240'MONUMENT ON THE
AJ8240'SOUTH (LEFT)
AJ8240'SIDE OF THE ROAD IN THE RIGHT OF WAY. AN ACCESS ROAD TO A PUMP STATION
AJ8240'AND FIELD IS 0.3
AJ8240'MILES (0.48
AJ8240'KM) WEST OF THE MONUMENT LOCATION.
AJ8240'
AJ8240'THE MONUMENT IS 47.0 FEET (14.32 M) SOUTH OF THE CENTERLINE OF THE
AJ8240'ROAD, 37.7 FEET (11.49 M)
AJ8240'EAST OF A
AJ8240'WOOD POWER POLE, 4.7 FEET (1.43 M) NORTH OF A BARBED WIRE FENCE AND
AJ8240'4.3 FEET (1.31 M) NORTH
AJ8240'OF A
AJ8240'CARSONITE WITNESS POST. NOTE A MAGNET WAS BURIED NEARBY AT AN
AJ8240'UNSPECIFIED POSITION.
AJ8240'
AJ8240'STATION RECOVERY (2002)
AJ8240'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CDP)
AJ8240'RECOVERED AS DESCRIBED.
AJ8240'
AJ8240'

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

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.30
1        National Geodetic Survey,   Retrieval Date = JANUARY 10, 2006
 AJ8237 ***********************************************************************
 AJ8237  DESIGNATION -  A 522
 AJ8237  PID         -  AJ8237
 AJ8237  STATE/COUNTY-  FL/MARTIN
 AJ8237  USGS QUAD   -  BARLEY BARBER SWAMP (1983)
 AJ8237
 AJ8237                        *CURRENT SURVEY CONTROL
 AJ8237  ______________________________________________________________________
 AJ8237* NAD 83(1999)-  27 00 29.99310(N)    080 33 22.78714(W)     ADJUSTED
 AJ8237* NAVD 88     -         7.166  (meters)      23.51   (feet)  ADJUSTED
 AJ8237  ______________________________________________________________________
 AJ8237  X           -     933,020.599 (meters)                     COMP
 AJ8237  Y           -  -5,609,383.744 (meters)                     COMP
 AJ8237  Z           -   2,879,029.333 (meters)                     COMP
 AJ8237  LAPLACE CORR-          -2.31  (seconds)                    DEFLEC99
 AJ8237  ELLIP HEIGHT-         -19.26  (meters)          (12/12/02) GPS OBS
 AJ8237  GEOID HEIGHT-         -26.42  (meters)                     GEOID03
 AJ8237  DYNAMIC HT  -           7.155 (meters)      23.47  (feet)  COMP
 AJ8237  MODELED GRAV-     979,096.0   (mgal)                       NAVD 88
 AJ8237
 AJ8237  HORZ ORDER  -  FIRST
 AJ8237  VERT ORDER  -  FIRST     CLASS II
 AJ8237  ELLP ORDER  -  THIRD     CLASS I
 AJ8237
 AJ8237.The horizontal coordinates were established by GPS observations
 AJ8237.and adjusted by the National Geodetic Survey in December 2002.
 AJ8237
 AJ8237.The orthometric height was determined by differential leveling
 AJ8237.and adjusted by the National Geodetic Survey in April 2002.
 AJ8237
 AJ8237.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AJ8237
 AJ8237.The Laplace correction was computed from DEFLEC99 derived deflections.
 AJ8237
 AJ8237.The ellipsoidal height was determined by GPS observations
 AJ8237.and is referenced to NAD 83.
 AJ8237
 AJ8237.The geoid height was determined by GEOID03.
 AJ8237
 AJ8237.The dynamic height is computed by dividing the NAVD 88
 AJ8237.geopotential number by the normal gravity value computed on the
 AJ8237.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AJ8237.degrees latitude (g = 980.6199 gals.).
 AJ8237
 AJ8237.The modeled gravity was interpolated from observed gravity values.
 AJ8237
 AJ8237;                    North         East     Units Scale Factor Converg.
 AJ8237;SPC FL E     -   296,404.566   244,030.865   MT  0.99996510   +0 12 05.3
 AJ8237;UTM  17      - 2,987,435.416   544,015.842   MT  0.99962392   +0 12 05.3
 AJ8237
 AJ8237!             -  Elev Factor  x  Scale Factor =   Combined Factor
```

```
AJ8237!SPC FL E     -   1.00000303  x   0.99996510  =   0.99996813
AJ8237!UTM  17      -   1.00000303  x   0.99962392  =   0.99962694
AJ8237
AJ8237                          SUPERSEDED SURVEY CONTROL
AJ8237
AJ8237  NAVD 88 (12/12/02)    7.17   (m)           23.5    (f) LEVELING    3
AJ8237
AJ8237.Superseded values are not recommended for survey control.
AJ8237.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AJ8237.See file dsdata.txt to determine how the superseded data were derived.
AJ8237
AJ8237_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK4401687435(NAD 83)
AJ8237_MARKER: DD = SURVEY DISK
AJ8237_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AJ8237_STAMPING: A 522 2001 CERP
AJ8237_MARK LOGO: USE
AJ8237_PROJECTION: RECESSED 15 CENTIMETERS
AJ8237_MAGNETIC: O = OTHER; SEE DESCRIPTION
AJ8237_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AJ8237+STABILITY: SURFACE MOTION
AJ8237_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AJ8237+SATELLITE: SATELLITE OBSERVATIONS - April 18, 2002
AJ8237
AJ8237  HISTORY     - Date     Condition        Report By
AJ8237  HISTORY     - 20010901 MONUMENTED       FOST
AJ8237  HISTORY     - 20020418 GOOD             MAPTEC
AJ8237
AJ8237                          STATION DESCRIPTION
AJ8237
AJ8237'DESCRIBED BY CHARLEY FOSTER AND ASSOCIATES 2001 (JB)
AJ8237'THE MONUMENT IS LOCATED 4.0 MILES (6.44 KM) EAST PORT MAYACA, FL. AND
AJ8237'6.9 MILES (11.10 KM) WEST
AJ8237'INDIANTOWN, FL., LOCATED IN SECTION 8, TOWNSHIP 40 SOUTH, RANGE 38
AJ8237'EAST.
AJ8237'
AJ8237'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8237'
AJ8237'TO REACH THE MONUMENT FROM THE JUNCTION OF U.S. HIGHWAY 441 AND 98 AND
AJ8237'STATE ROAD 76 GO NORTH
AJ8237'0.55 MILES (0.89 KM) ALONG STATE ROAD 76 TO THE U.S. HIGHWAY 441 AND
AJ8237'98 BRIDGE OVER STATE ROAD 76 AND
AJ8237'THE SAINT LUCIE CANAL, CONTINUE EAST 4.05 MILES (6.52 KM) ALONG STATE
AJ8237'ROAD 76 TO MONUMENT SET IN THE
AJ8237'RIGHT OF WAY ON THE SOUTH (RIGHT) SIDE OF THE STATE ROAD 76, 0.3 MILE
AJ8237'(0.48 KM) EAST OF GATE 3 AT 22500
AJ8237'SW KANNER HIGHWAY, ENTRANCE TO THE DURLIS RESERVE EQUESTRIAN AND 0.4
AJ8237'MILE (0.64 KM) WEST OF
AJ8237'GATE 2 OF THE EQUESTRIAN.
AJ8237'
AJ8237'THE MONUMENT IS 48.5 FEET (14.78 M) SOUTH OF THE CENTERLINE OF STATE
AJ8237'ROAD 76, 48.4 FEET 14.75 M) WEST
AJ8237'OF POWER POLE NOUMBER 3-97 345 FPL, 4.2 FEET (1.28 M) NORTH OF A WIRE
AJ8237'FENCE AND 4.2 FEET (1.28 M) NORTH
AJ8237'OF A CARSONITE WITNESS POST. NOTE A MAGNET WAS BURIED NEARBY AT AN
AJ8237'UNSPECIFIED POSITION.
AJ8237'
AJ8237
AJ8237                          STATION RECOVERY (2002)
AJ8237
AJ8237'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
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AJ8237'THE MONUMENT IS LOCATED 4.0 MILES (6.44 KM) EAST PORT MAYACA, FL. AND
AJ8237'6.9 MILES (11.10 KM)
AJ8237'WEST
AJ8237'INDIANTOWN, FL., LOCATED IN SECTION 8, TOWNSHIP 40 SOUTH, RANGE 38
AJ8237'EAST.
AJ8237'
AJ8237'OWNERSHIP IS FLORIDA DEPARTMENT OF TRANSPORTATION.
AJ8237'
AJ8237'TO REACH THE MONUMENT FROM THE JUNCTION OF U.S. HIGHWAY 441 AND 98 AND
AJ8237'STATE ROAD 76
AJ8237'GO NORTH
AJ8237'0.55 MILES (0.89 KM) ALONG STATE ROAD 76 TO THE U.S. HIGHWAY 441 AND
AJ8237'98 BRIDGE OVER STATE
AJ8237'ROAD 76 AND
AJ8237'THE SAINT LUCIE CANAL, CONTINUE EAST 4.05 MILES (6.52 KM) ALONG STATE
AJ8237'ROAD 76 TO MONUMENT
AJ8237'SET IN THE
AJ8237'RIGHT OF WAY ON THE SOUTH (RIGHT) SIDE OF THE STATE ROAD 76, 0.3 MILE
AJ8237'(0.48 KM) EAST OF GATE 3
AJ8237'AT 22500
AJ8237'SW KANNER HIGHWAY, ENTRANCE TO THE DURLIS RESERVE EQUESTRIAN AND 0.4
AJ8237'MILE (0.64 KM)
AJ8237'WEST OF
AJ8237'GATE 2 OF THE EQUESTRIAN.
AJ8237'
AJ8237'THE MONUMENT IS 48.5 FEET (14.78 M) SOUTH OF THE CENTERLINE OF STATE
AJ8237'ROAD 76, 48.4 FEET 14.75
AJ8237'M) WEST
AJ8237'OF POWER POLE NOUMBER 3-97 345 FPL, 4.2 FEET (1.28 M) NORTH OF A WIRE
AJ8237'FENCE AND 4.2 FEET (1.28
AJ8237'M) NORTH
AJ8237'OF A CARSONITE WITNESS POST. NOTE A MAGNET WAS BURIED NEARBY AT AN
AJ8237'UNSPECIFIED
AJ8237'POSITION.
AJ8237'
AJ8237'STATION RECOVERY (2002)
AJ8237'RECOVERY NOTE BY MAPTECH, INCORPORATED 2002 (CDP)
AJ8237'RECOVERED AS DESCRIBED.
AJ8237'
AJ8237'

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

03-77616 **MARTIN COUNTY-WELL M1085**

LEVEL RUN

DATE	STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV.	NOTES
								NAVD-88	
	NGS BM	6.95							
01/03/06	AJ8242	5.56	*5.56*	36.64				31.08	
	(F522)	4.17							
					5.05				
(FB 2564,	TP#1				3.63	*3.63*	33.02		
PG 09…)					2.20				
		6.09							
	SHAKE	4.17	*4.17*	37.18					
		2.24							
					11.16				
	TP#2				9.32	*9.32*	27.86		
					7.48				
		5.68							
	SHAKE	3.64	*3.64*	31.50					
		1.60							
					8.35				
	TP#3				6.22	*6.22*	25.28		
					4.09				
		6.34							
	SHAKE	4.29	*4.29*	29.57					
		2.24							
					6.04				
	TP#4				3.93	*3.93*	25.64		
					1.82				
		6.65							
	SHAKE	4.67	*4.67*	30.30					
		2.68							
					7.82				
	TP#5				5.72	*5.72*	24.59		
					3.61				
		7.01							
	SHAKE	5.01	*5.01*	29.60					
		3.01							
					7.39				
	TP#6				5.17	*5.17*	24.43		
					2.95				
		7.45							
	SHAKE	5.59	*5.59*	30.02					
		3.73							
					6.82				
	TP#7				4.74	*4.74*	25.28		
					2.66				
		6.02							
	SHAKE	3.88	*3.88*	29.15					
		1.73							
					7.51				
	TP#8				5.37	*5.37*	23.78		
					3.23				

MARTIN COUNTY-WELL M1085

LEVEL RUN

DATE	STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV.	NOTES
								NAVD-88	
		7.83							
	SHAKE	6.15	*6.15*	29.93					
		4.47							
	WELL				6.84				*TOP OF PIPE*
	M1085				5.20	*5.20*	**24.74**		*WELL*
					3.55				***M 1085***
		7.08							
	SHAKE	5.44	*5.44*	30.17					
		3.79							
	DISK				6.68				*SET SFWMD*
	M1085				5.04	*5.04*	**25.14**		*DISK STAMPED*
					3.39				***M 1085 2006***
		5.94							
	SHAKE	4.30	*4.30*	29.43					
		2.66							
					7.33				
	TP#9				5.65	*5.65*	**23.79**		
					3.96				
		7.01							
	SHAKE	4.87	*4.87*	28.66					
		2.73							
					5.52				
	TP#10				3.38	*3.38*	**25.28**		
					1.24				
		6.38							
	SHAKE	4.30	*4.30*	29.58					
		2.22							
					7.02				
	TP#11				5.16	*5.16*	**24.42**		
					3.30				
		7.06							
	SHAKE	4.84	*4.84*	29.26					
		2.62							
					6.67				
	TP#12				4.67	*4.67*	**24.59**		
					2.67				
		7.22							
	SHAKE	5.12	*5.12*	29.71					
		3.02							
					6.05				
	TP#13				4.06	*4.06*	**25.65**		
					2.07				
		5.53							
	SHAKE	3.43	*3.43*	29.08					
		1.33							
					5.83				
	TP#14				3.79	*3.79*	**25.29**		
					1.75				
		7.72							
	SHAKE	5.59	*5.59*	30.88					
		3.46							

MARTIN COUNTY-WELL M1085

LEVEL RUN

DATE	STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV.	NOTES
								NAVD-88	
					5.55				
	TP#15				3.01	*3.01*	**27.87**		
					0.47				
		11.64							
	SHAKE	9.69	*9.69*	37.55					
		7.73							
					6.59				
	TP#16				4.99	*4.99*	**32.56**		
					3.39				
		4.98							
	SHAKE	3.43	*3.43*	35.99					
		1.88							
					4.91				
	TP#17				3.46	*3.46*	**32.53**		
					2.01				
		5.55							
	SHAKE	4.23	*4.23*	36.76					
		2.91							
					5.06				
	TP#18				3.69	*3.69*	**33.07**		
					2.32				
		4.45							
	SHAKE	3.03	*3.03*	36.10					
		1.61							
					6.05				
	TP#19				4.54	*4.54*	**31.56**		
					3.03				
		5.10							
	SHAKE	3.88	*3.88*	35.43					
		2.66							
					5.74				
	TP#20				4.12	*4.12*	**31.31**		
					2.50				
		5.55							
	SHAKE	4.20	*4.20*	35.51					
		2.85							
					5.84				
	TP#21				4.36	*4.36*	**31.16**		
					2.87				
		5.25							
	SHAKE	4.01	*4.01*	35.17					
		2.77							
					5.56				
	TP#22				4.04	*4.04*	**31.13**		
					2.52				
		4.55							
	SHAKE	3.94	*3.94*	35.07					
		3.33							
01/04/06	**NGS BM**				6.78				*ERROR*
(FB 2564,	**AJ8241**				6.08	*6.08*	**28.99**	**29.01**	*0.02*
PG 14)	**(E522)**				5.39				