

Identification Information:  
Citation:

**Mike J. Bartholomew**  
**Biscayne Engineering**

Citation Information:  
Originator: Mike J. Bartholomew  
Publication Date: Unpublished material  
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Title: East Coast Aquifer Monitoring Wells (M1043)  
Edition: 1.0  
Series Information:  
Publication Information:  
Larger Work Citation:  
Citation Information:  
Series Information:  
Publication Information:

**Purpose**

Description:  
Abstract: East Coast Aquifer Monitoring Wells (M1043)  
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.

**Survey Date**

Supplemental Information:  
Access to site is gained from the intersection of US-1 and Jensen Beach Blvd.  
Time Period of Content:  
Time Period Information:  
Single Date/Time:  
Range of Dates/Times:  
Beginning Date: 20060117  
Ending Date: 20060118  
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° 13' 25"  
East Bounding Coordinate: -080° 13' 25"  
North Bounding Coordinate: +27° 13' 55"  
South Bounding Coordinate: +27° 13' 55"

Keywords:

Theme:  
Theme Keyword Thesaurus: None  
Theme Keyword: Well Site  
Theme Keyword: MARTIN  
Theme Keyword: M1043

Place:

Place Keyword Thesaurus: None  
Place Keyword: East Coast Aquifer Monitoring Wells (M1043)  
Place Keyword: Martin County, Florida  
Place Keyword: Florida  
Place Keyword: Sec. 27 , Twp. 37S, Rge 41E

Stratum:

Temporal:

Access Constraints: None

Use Constraints: None

Point of Contact:

**Elvie Ebanks**  
**SFWMD**  
District

Contact Information:  
Contact Person Primary:  
Contact Person: Elvie Ebanks  
Contact Organization: South Florida Water Management  
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

M1043.gen

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 AJ5265 (GCY D23) and AJ5264 (GCY D22). Vertical data was established using NGS benchmarks AJ5264 (GCY D22) and AJ5265 (GCY D23). 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. +27° 13' 55.063"

Long. -080° 13' 24.692"

N 1054274.956

E 908485.651

New leveled elevations.

New site benchmark "M1043" is a standard S.F.W.M.D. brass disc in the concrete encasement for tape down well.

Disc elevation is 22.18' (NAVD88).

elevation is 23.67' (NGVD29)

Top of pipe elevation is 26.25' (NAVD88)

elevation is 27.74' (NGVD29)

based on NGS NAVD88 adjustment of vertical network.

Origin of NAVD88 elevation for BM "M1043" and well

"M1043" is closed bench level circuit through NGS

benchmarks AJ5264 (GCY D22) and AJ5265 (GCY D23).

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 14.85 feet at benchmark

AJ5264 with an NGVD-29 value of 16.34 feet; per the

NGS Adjustment of the CERP Geodetic Vertical Control

Project, as provided by SFWMD. C equals 16.34 feet -

14.85 feet equals 1.49 feet. Well is situated South of

Jensen Beach Blvd., West of SR-707, East of the railroad

tracks, and Northwest of Cemetery Road, within the All

Saints Episcopal Church Cemetery property, Martin County,

Florida. TO REACH the well from the intersection of US-1

and Jensen Beach Blvd., travel East on Jensen Beach

Bldv. for 2.85 miles to the intersection with SR-707; then

turn right and head South on SR-707 for 0.9 miles until the

road forks. Take the right fork and turn right into the All

Saints Episcopal Church Cemetery. Thence proceed West

along Cemetery Road for 0.25 miles to a turnaround at the

back of the cemetery. Follow the dirt path that is at the

Northwest end of Cemetery Road to the corner of a 3' high

chain link fence. Well is a 2-1/2" diameter pipe. Top of

well is 0.8 feet above the ground surface. Lying 45.0 feet

East of the Eastern edge of railroad tracks, and 14.9 feet

(more or less) South of 3' high chain link fence. Benchmark

is a brass SFWMD disc set 22.3 feet East of the Eastern

edge of the railroad, 22.7 feet West of well (M-1043), and

1.3' North of a R/W marker.

Positional\_Accuracy:

M1043.gen

Horizontal\_Positional\_Accuracy:

## Horizontal

Horizontal\_Positional\_Accuracy\_Report:

The horizontal position of the well "M1043" was established using differential GPS. NGS points AJ5265 (GCY D23) and AJ5264 (GCY D22) were used as a source of horizontal control.

Quantitative\_Horizontal\_Positional\_Accuracy\_Assessment:

Horizontal\_Positional\_Accuracy\_Value: 1 meter

Horizontal positional accuracy for this survey is 1 meter.

Vertical\_Positional\_Accuracy:

## Level Line

Vertical\_Positional\_Accuracy\_Report:

A level line was run originating on NGS control point AJ5264 (GCY D22) with NAVD-88 elevation, running through well and disc "M1043" and terminated on point AJ5265 (GCY 23) in accordance with Florida Minimum Technical Standards.

Quantitative\_Vertical\_Positional\_Accuracy\_Assessment:

Vertical\_Positional\_Accuracy\_Value: 0.01 feet

Vertical\_Positional\_Accuracy\_Explanation: A bench level

circuit was performed between AJ5264 (GCY D22) and AJ5265 (GCY D23), running through well "M1043" in accordance with Florida Minimum Technical Standards (Chapter 61g17-6, FAC). Length of benchmark run is 1.18 miles. Allowable error is 0.10 feet. Achieved Accuracy is 0.01 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 receivers. The vertical work was performed using Level Wild N-A2.

Process\_Date: 20060216

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:

Equiangular:

General\_Vertical\_Near-sidereal\_Perspective:

Gnomonic:

Lambert\_Azimuthal\_Equal\_Area:

Lambert\_Conformal\_Conic:

Mercator:

Modified\_Stereographic\_for\_Alaska:

Miller\_Cylindrical:

Oblique\_Mercator:

Oblique\_Line\_Point:

M1043.gen  
 Orthographic:  
 Polar\_Stereographic:  
 Polyconic:  
 Robinson:  
 Sinusoidal:  
 van\_der\_Grinten:  
 Space\_Obllique\_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\_Li ne\_Poi nt:  
         Polyconic:  
 ARC\_Coordinate\_System:  
     Equi rectangul ar:  
     Azi muthal \_Equi di stant:  
 Local \_PI anar:  
 PI anar\_Coordi nate\_I nformati on:  
     Coordi nate\_Representati on:  
     Di stance\_and\_Beari ng\_Representati on:  
         Local :  
         Geodeti c\_Model :  
         Verti cal \_Coordi nate\_System\_Defi ni ti on:  
         Al ti tude\_System\_Defi ni ti on:  
         Depth\_System\_Defi ni ti on:  
 Enti ty\_and\_Attri bute\_I nformati on:  
     Detail ed\_Descri pti on:  
         Enti ty\_Type:  
         Attri bute:  
             Attri bute\_Domai n\_Val ues:  
             Attri bute\_Val ue\_Accuracy\_I nformati on:  
     Overvi ew\_Descri pti on:  
 Di stri buti on\_I nformati on:  
     Di stri butor:  
         Contact\_I nformati on:  
             Contact\_Person\_Pri mary:  
             Contact\_Organi zati on\_Pri mary:  
             Contact\_Address:  
     Standard\_Order\_Process:  
         Di gi tal \_Form:  
             Di gi tal \_Transfer\_I nformati on:  
             Di gi tal \_Transfer\_Opti on:  
                 Onl i ne\_Opti on:  
                     Computer\_Contact\_I nformati on:  
                         Network\_Address:  
                         Di al up\_I nstructi ons:  
             OffLi ne\_Opti on:  
                 Recordi ng\_Capaci ty:  
     Avai l abl e\_Ti me\_Period:  
         Ti me\_Period\_I nformati on:  
             Si ngl e\_Date/Ti me:  
             Range\_of\_Dates/Ti mes:  
             Mul ti pl e\_Dates/Ti mes:  
 Metadata\_Reference\_I nformati on:  
     Metadata\_Date: 20060216  
     Metadata\_Contact:  
         Contact\_I nformati on:  
             Contact\_Person\_Pri mary:  
                 Contact\_Person: Mi ke J. Barthol omew  
                 Contact\_Organi zati on: Bi scayne Engi neeri ng Company, I nc.  
             Contact\_Organi zati on\_Pri mary:  
             Contact\_Posi ti on: Project Surveyor

M1043.gen

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: mkeeb@bi-sci.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-1043



**Biscayne Engineering Company, Inc.**  
**Date of Photo: 01-15-06**  
**View: Looking West. Well "M1043".**

# M-1043



**Biscayne Engineering Company, Inc.**  
**Date of Photo: 01-15-06**  
**View: Looking Northwest. Well M-1043.**

# M-1043



**Biscayne Engineering Company, Inc.**  
**Date of Photo: 01-15-06**  
**View: Well M-1043.**



# M-1043



**Biscayne Engineering Company, Inc.**  
**Date of Photo: 01-15-06**  
**View: Well M-1043**

# M-1043



**Biscayne Engineering Company, Inc.**  
**Date of Photo: 01-15-06**  
**View: Well M-1043**

# M-1043



**Biscayne Engineering Company, Inc.**  
**Date of Photo: 01-15-06**  
**View: Looking West. BM "M1043 2006"**

# M-1043



**BM "M1043 2006"**

**Biscayne Engineering Company, Inc.**

**Date of Photo: 01-15-06**

**View: Looking Southwest. BM "M1043 2006"**

# M-1043



**Biscayne Engineering Company, Inc.**  
**Date of Photo: 01-15-06**  
**View: Looking South. BM "M1043 2006".**

# M-1043

BM "M1043 2006"

Elev. =22.18' (NAVD-88)

Elev. =23.67' (NGVD-29)



Biscayne Engineering Company, Inc.  
Date of Photo: 01-15-06  
View: BM "M1043 2006"

# M-1043

BM "M1043 2006"

Elev. =22.18' (NAVD-88)

Elev. =23.67' (NGVD-29)



Biscayne Engineering Company, Inc.

Date of Photo: 01-15-06

View: BM "M1043 2006"

A. REDERO  
T. LOPEZ  
L. BALLESTEROS

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

" SITE - K "

12/30/05

( ESTABLISH ELEV ON  
WELL M-1252 )

BM

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV
	6.930						23.51
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 (A522) 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

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

12/30/05

"SITE-K"  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN ELEV	ELEV	BM
	10.560						
SHAKE	10.600	10.600	35.110				
	10.340						
TP#5				0.805			
				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

SAME

#03-77616

CREW

S. F. W. M. D

12/30/05

" SITE - K "

(ELEV. CONT)

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

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	ELEV	BM
	7.655							
SHAKE	5.525	5.525	29.695	✓				
	3.395							
DISC				8.855				
M-1252				6.365	6.365	23.330	✓	
				2.875				
	7.085							
SHAKE	5.975	5.975	29.305	✓				
	4.865							
WELL				7.320				
M-1252				6.115	6.115	23.190	✓	
				4.910				
	8.915							
SHAKE	6.325	6.325	29.515	✓				
	3.735							
				7.470				
TP#14				5.340	5.340	24.175	✓	
				3.210				
	6.910							
SHAKE	4.970	4.970	29.145	✓				
	3.030							
				6.860				
TP#15				4.300	4.300	24.845	✓	
				1.740				
	7.050							
SHAKE	4.715	4.715	29.560	✓				
	2.380							

DESC

80 D SPIKE

SET S.F.W.M.D DISC STAMPED M-1252 2006

"

"

TOP OF PIPE "PVC" M-1252

80 D SPIKE

80 D SPIKE

80 D SPIKE

80 D SPIKE

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
				7.090				
STP#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				
STP#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				
STP#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				
STP#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				
STP#20				5.170	5.170	24.875	✓	80 D SPIKE
				4.020				

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

1/3/06

"SITE-K"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV	BM
	6.580							
SHAKE	4.700	4.700	29.575	✓				
	2.820							
				6.345				
TP#21				4.100	4.100	25.475	✓	
				1.855				
	14.030							
SHAKE	12.110	12.110	37.585	✓				
	10.19							
				4.580				
TP#22				3.100	3.100	34.485	✓	
				1.620				
	1.300							
SHAKE	1.115	1.115	35.600	✓				
	0.930							
				11.360				
TP#23				11.100	11.100	24.500	✓	
				10.840				
	5.550							
SHAKE	3.670	3.670	28.170	✓				
	1.790							
				4.460				
TP#24				3.600	3.600	24.570	✓	
				2.740				
	6.070							
SHAKE	4.470	4.470	29.040	✓				
	2.850							

DESC

80 D SPIKE

80 D SPIKE

80 D SPIKE

WOODEN STAKE

WOODEN STAKE

REBAR

REBAR

MAG NL ⚡ W

MAG NL ⚡ W

SAME  
CREW

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

1/3/06

"SITE-K"

(ELEV. CONT)

BM

STA	BS	MEAN	HI	FS	MEAN	ELEV	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			
				6.820	6.820	22.730	✓
BM				4.760		22.730	✓

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

ERR = 0.000

SAME  
CREW

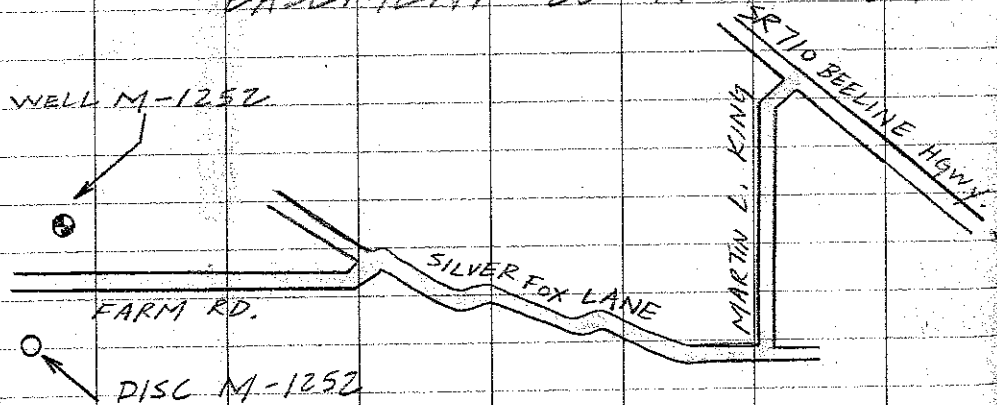
#03-77616  
S.F.W.M.D

1/3/06

( SITE - K  
DESCRIPTION )

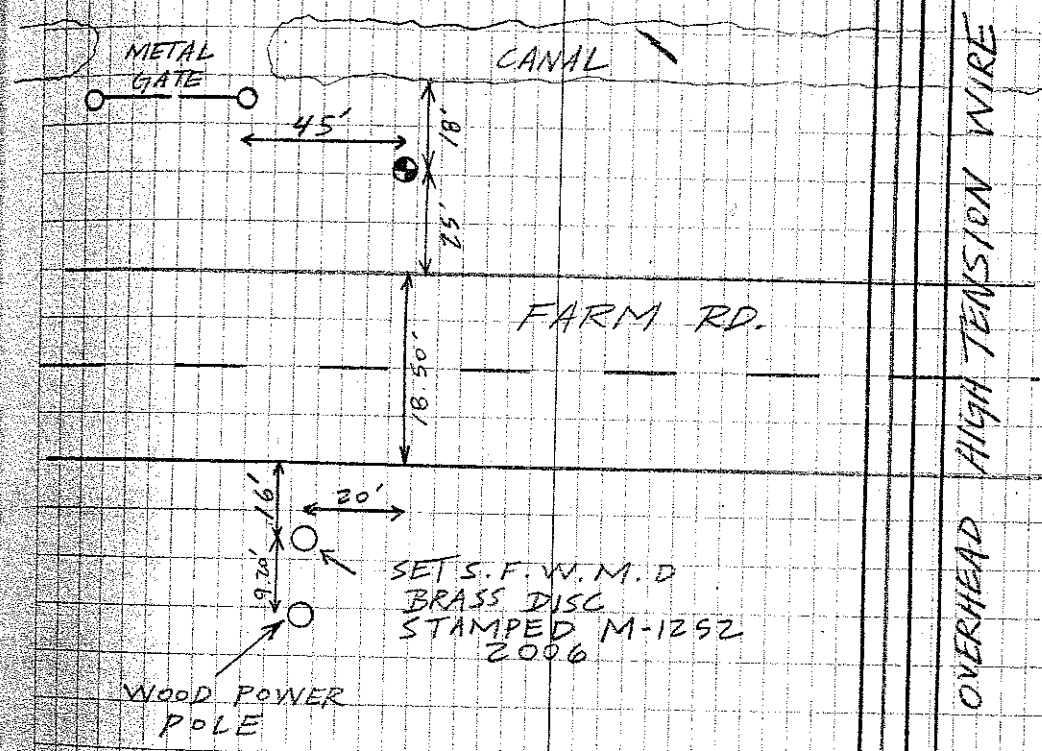
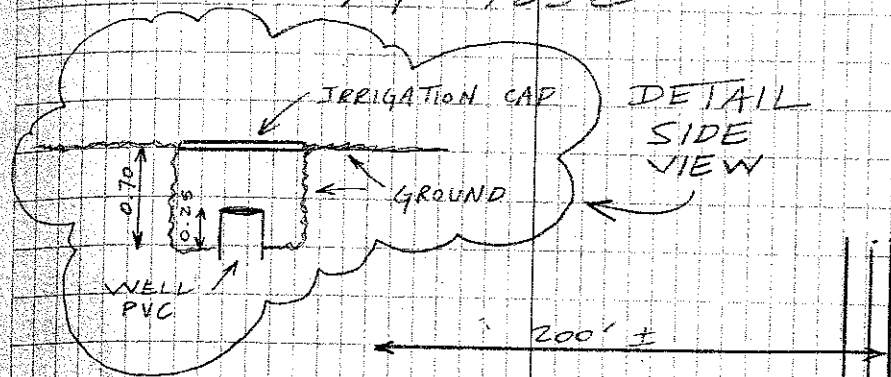
DIRECTIONS - IN INDIANTOWN FROM THE  
INTERSECTION OF MARTIN LUTHER  
KING BLVD AND SR-710 TRAVEL  
SOUTH FOR 0.7 MILES TO  
THE INTERSECTION OF "MLK"  
BLVD AND SILVER FOX LANE.  
TURN RIGHT AND TRAVEL  
WEST FOR 1.7 MILES TO  
THE FORK IN THE ROAD OF  
SILVER FOX AND FARM RD.  
TURN LEFT AND TRAVEL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

WELL M-1252



2564/08

SKETCH OF WELL SITE  
M-1252



SET S.F.W.M.D  
BRASS DISC  
STAMPED M-1252  
2006

HIGH TENSION WIRE  
OVERHEAD

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	ELEV	BM
	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 (FS22) 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					
TP#5			7.820			
			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					
TP#6			7.390			
			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					
TP#7			6.820			
			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					
TP#8			7.510			
			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

#03-77616

B. SALAZAR

S.F.W.M.D

A. FERNANDEZ

1/14/06

"SITE - L"

(ELEV. CONT)

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

S/S SAME  
 CL 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
S/SHAKE	7.060 4.840 2.620	4.840	29.255	✓				60 D SPIKE
7/TP#12				6.670 4.670 2.670	4.670	24.585	✓	60 D SPIKE
S/SHAKE	7.220 5.120 3.020	5.120	29.705	✓				60 D SPIKE
7/TP#13				6.050 4.060 2.070	4.060	25.645	✓	60 D SPIKE
S/SHAKE	5.530 3.430 1.330	3.430	29.075	✓				60 D SPIKE
7/TP#14				5.830 3.790 1.750	3.790	25.285	✓	60 D SPIKE
S/SHAKE	7.720 5.590 3.460	5.590	30.875	✓				60 D SPIKE
7/TP#15				5.550 3.010 0.470	3.010	27.865	✓	60 D SPIKE
S/SHAKE	11.040 9.685 7.130	9.685	37.550	✓				60 D SPIKE

S/S SAME  
 S/D CREVY  
 A  
 1/4/06

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

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

SAME  
CREW

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

1/4/06

"SITE-L"

(ELEV. CONT)

BM

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV
	5.550						
SHAKE	4.200 2.850	4.200	35.510	✓			
TP#21				5.840 4.355 2.870	4.355	31.155	✓
SHAKE	5.250 4.010 2.770	4.010	35.165	✓			
TP#22				5.555 4.035 2.515	4.035	31.130	✓
SHAKE	4.550 3.940 3.330	3.940	35.070	✓			
BM				6.775 6.080 5.385	6.080	28.990	29.010 ✓

ERR=0.020

DESC  
CUT NL  
CUT NL  
CUT NL  
CUT NL

NGS # AJ 8241 (E522) NAVD 88  
BRASS D. IN CONC MON.  
STAMPED E522 2001 CERP

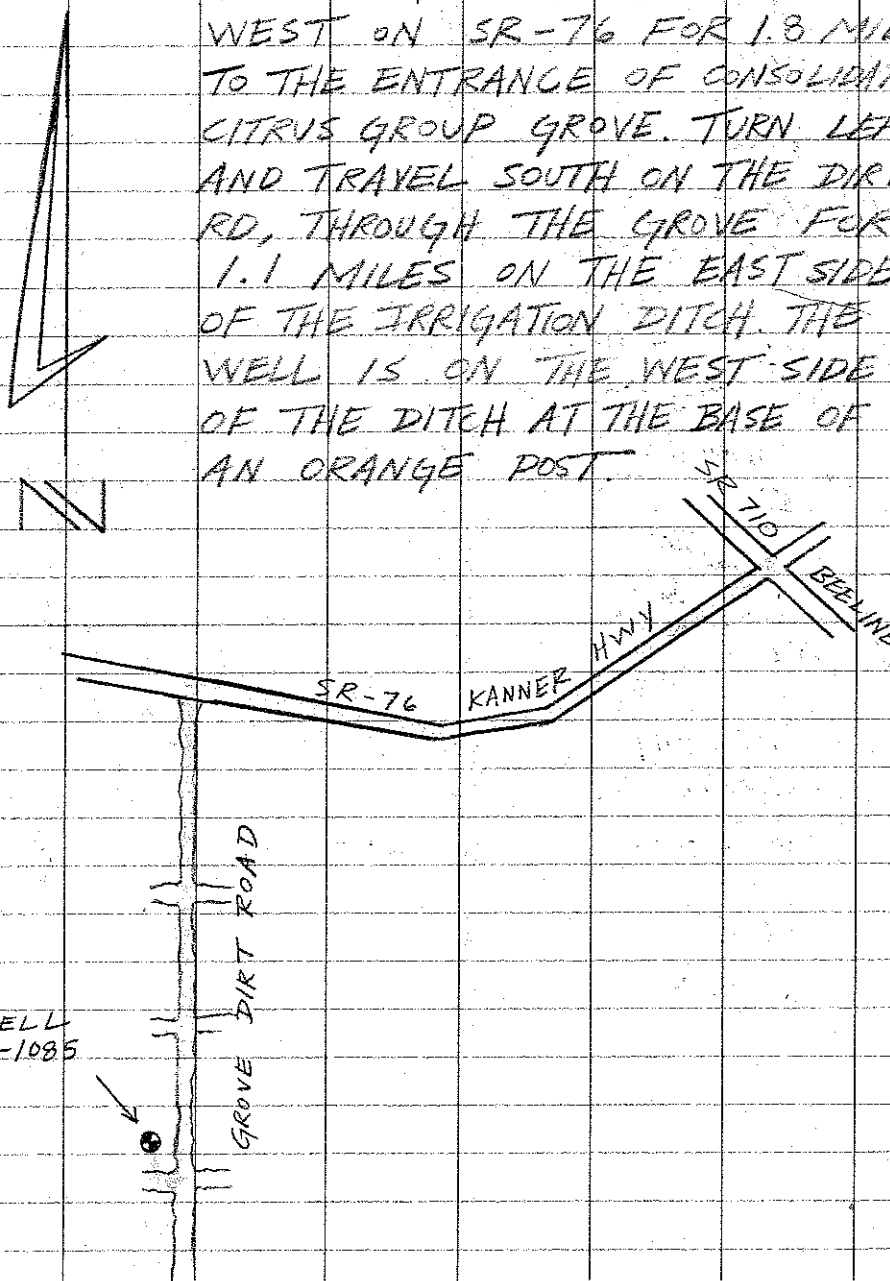
SAME  
CREW

#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

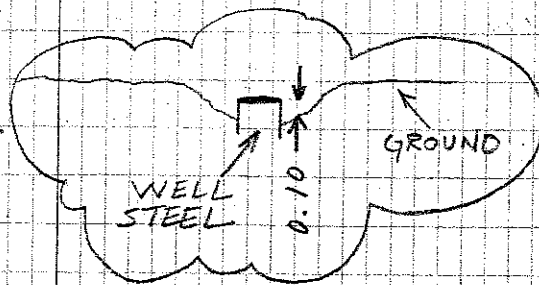


WELL  
M-1085

GROVE DIRT ROAD

2564/15  
SKETCH OF WELL SITE M-1085

SIDE  
VIEW  
DETAIL



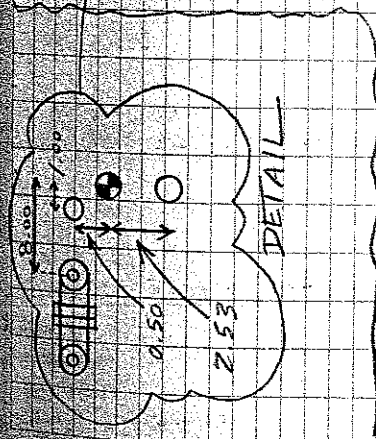
BLUE ORANGE IRRIGATION VALVE  
ORANGE RIG PIPE  
WELL M-1085  
SET S.F.W.M.D DISC  
STAMPED M-1085 2006

DIRT ROAD

DRAINAGE DITCH

DIRT ROAD

DIRT ROAD



DETAIL

DRAINAGE DITCH

A. REDERO  
T. LOPEZ  
A. SANTANA

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

"SITE-M"

1/5/06

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

BM

STA	BS	MEAN HI	FS	MEAN ELEV	ELEV
	6.820				✓
BM	4.910	4.910	29.78 ✓		29.87
	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 89  
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

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

1/5/06

"SITE-M"

(ELEV. CONT)

BM

STA	BS	MEAN HI	FS	MEAN ELEV	ELEV
-----	----	---------	----	-----------	------

DESC

			7.380		
TP#5			4.980	4.980	26.740 ✓
			2.580		

CUT NL & TT

	9.240				
SHAKE	6.610	6.615	33.355 ✓		
	3.990				

CUT NL & TT

			2.110		
TP#6			1.100	1.100	32.355 ✓
			0.09		

80 D SPK

	8.680				
SHAKE	8.000	8.000	40.255 ✓		
	7.320				

80 D SPK

			11.780		
TP#7			9.950	9.950	30.305 ✓
			8.120		

CUT NL & TT

	7.140				
SHAKE	5.040	5.040	35.345 ✓		
	2.940				

CUT NL & TT

			4.300		
TP#8			2.280	2.280	33.065 ✓
			0.260		

CUT NL & TT

	7.580				
SHAKE	5.875	5.875	38.940 ✓		
	4.170				

CUT NL & TT

			6.670		
TP#9			5.090	5.090	33.850 ✓
			3.510		

CUT NL & TT



SAME  
CREW

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

1/5/06

"SITE-M"  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV
	6.850						
SHAKE	5.305	5.305	39.155	✓			
	3.760						
TRM#1				5.150			
				4.970	4.970	34.185	✓
				4.790			
	4.940						
SHAKE	4.760	4.760	38.945	✓			
	4.580						
				4.885			
TRM#2				4.720	4.720	34.225	✓
				4.555			
	5.700						
SHAKE	5.185	5.185	39.410	✓			
	4.670						
				6.760			
TP#10				5.570	5.570	33.840	✓
				4.380			
	6.340						
SHAKE	4.770	4.770	38.610	✓			
	3.200						
				7.250			
TP#11				5.555	5.555	33.055	✓
				3.860			
	4.210						
SHAKE	2.190	2.190	35.245	✓			
	0.170						

DESC

CUT NL & TT

SET MAG NL & W IN FRONT OF WELL  
M-1244 IN ASPH.

"

"

SET MAG NL & W IN FRONT OF WELL  
M-1245 IN ASPH.

"

"

CUT NL & TT

CUT NL & TT

CUT NL & TT

CUT NL & TT

SAME  
CREW

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

1/5/06

" SITE - M "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV	BM	DESC
TP#12				7.040					
				4.955	4.955	30.29	✓		CUT NL & TT
				2.870					
SHAKE	10.670								
	8.770	8.770	39.060	✓					CUT NL & TT
	6.870								
TP#13				7.425					
				6.815	6.815	32.245	✓		80 D SPIKE
				6.205					
SHAKE	2.250								
	1.230	1.230	33.475	✓					80 D SPIKE
	0.210								
TP#14				8.410					
				6.490	6.490	26.985	✓		CUT NL
				4.570					
SHAKE	5.960								
	4.535	4.535	31.520	✓					CUT NL
	3.110								
TP#15				5.750					
				4.320	4.320	27.200	✓		CUT NL
				2.890					
SHAKE	5.420								
	4.615	4.615	31.815	✓					CUT NL
	3.810								
BM				6.860					
				5.830	5.830	25.985	25.960	✓	
				4.800				✓	

ERR = 0.025

NGS # AJ 8246 (L522) WARD 88  
BRASS D IN CONC MON  
STAMPED L522 2001 CERP

SAME  
CREW

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

1/5/06

"SITE - M"  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN ELEV.	BM ELEV
	4.320					
TBM#1	4.065 3.810	4.065	38.250	↓		34.185
WELL M-1244				6.300 5.940 5.580	5.940	32.310
SHAKE	5.920 5.555 5.190	5.555	37.865	↓		
WELL M-1245				4.820 4.485 4.150	4.485	33.385
SHAKE	5.280 4.950 4.620	4.950	38.330	↓		
DISC M-1244				4.980 4.675 4.370	4.675	33.655
SHAKE	4.560 4.255 3.950	4.255	37.910	↓		
TBM#2				3.905 3.685 3.465	3.685	34.225
						34.225
						ERR = 0.000

DESC

MAG NL § W

TOP OF PIPE WELL M-1244 "PVC"

"

TOP OF PIPE WELL M-1245 "PVC"

"

SET S.F.W.M.D DISC STAMPED M-1244 2006

"

MAG NL § W

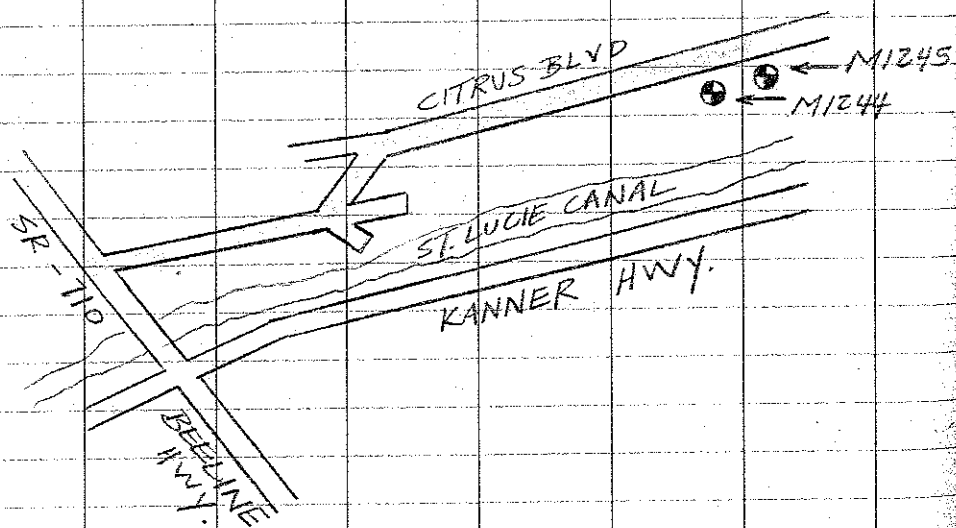
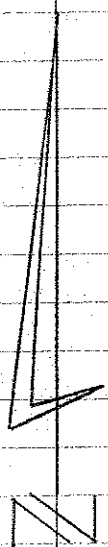
SAME  
CREW

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

1/5/06

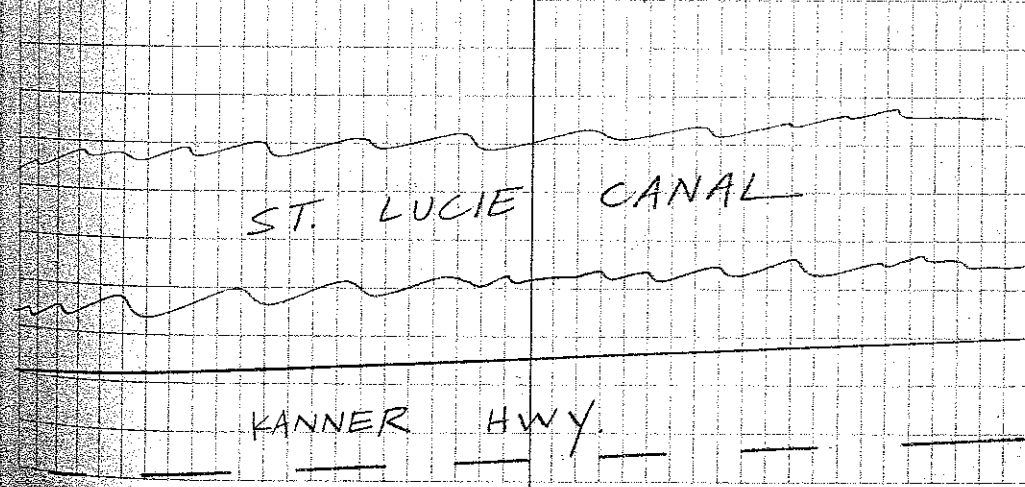
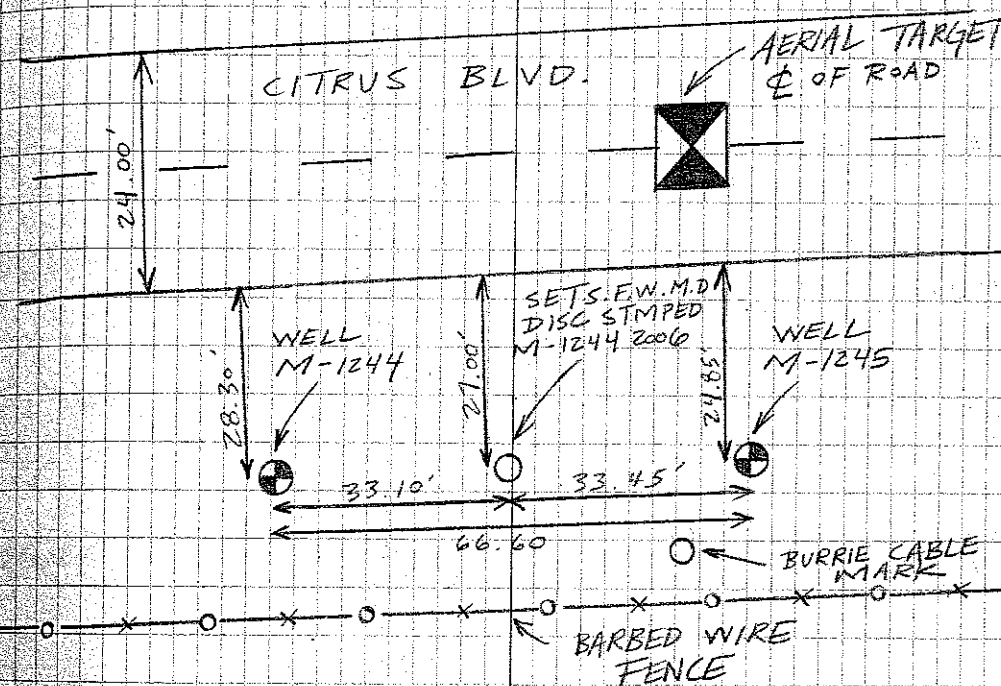
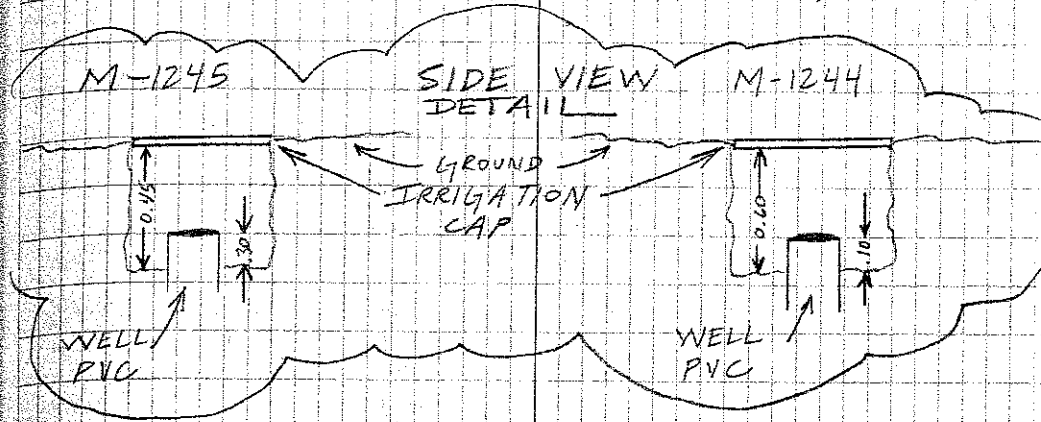
(SITE-M  
DESCRIPTION)

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.

1/5/06

"SITE-N"

(ESTABLISH ELEV  
ON WELL SITE  
M-1236, M-1273)

STA	BS	MEAN	HJ	FS	MEAN ELEV.	BM ELEV	DESC
	6.810						
BM	5.425	5.425	29.305	✓		23.88	NGS# AJ5250 (GCY DOB) NAVD 88 BRASS D. IN CONC. MON. STAMPED GCY DOB 2001
	4.040						
TP#1				7.450			
				5.480	5.480	23.825	✓ CUT NL
				3.510			
SHAKE	6.630						
	4.620	4.620	28.445	✓			CUT NL
	2.610						
TP#2				6.940			
				4.850	4.850	23.595	✓ CUT NL
				2.760			
SHAKE	7.200						
	5.000	5.000	28.595	✓			CUT NL
	2.800						
TP#3				8.640			
				6.550	6.550	22.045	✓ CUT NL
				4.460			
SHAKE	7.310						
	5.350	5.350	27.395	✓			CUT NL
	3.390						
TP#4				4.980			
				3.280	3.280	24.115	✓ CUT NL
				1.580			
SHAKE	7.720						
	5.580	5.580	29.695	✓			CUT NL
	3.440						

SAME  
CREW

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

1/5/06

"SITE - N"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	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
				3.230				
	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.F.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

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

1/5/06

"SITE - N"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	EM	ELEV
				6.560				
TP#16				4.570	4.570	24.525	✓	
				2.590				
	6.255							
SHAKE	4.535	4.535	29.060				✓	
	2.815							
				7.175				
				6.565	6.565	22.495	✓	22.48
BM				5.955			✓	

ERR = 0.015

DESC

CUT NL

CUT NL

NGS # AJ 5627 (X 516) NAVD 88  
BRASS I.D. IN CONC. MON.  
STAMPED X 516 2001

SAME  
CREW

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

1/5/06

"SITE-N"  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	ELEV.	DESC.
	5.500							
TBM#1	5.385	5.385	30.030	✓			24.645	MAG NL S/W
	5.270							
WELL M-1236				6.930				
				6.625	6.625	23.405	✓	TOP OF PIPE M-1236 "PVC"
				6.320				
SHAKE	7.360			✓				" "
	7.075	7.075	30.480					
	6.790							
WELL M-1273				7.290				
				7.000	7.000	23.480	✓	TOP OF PIPE M-1273 "PVC"
				6.710				
SHAKE	7.550			✓				" "
	7.260	7.260	30.740					
	6.970							
DISC M-1236				7.510			✓	
				7.230	7.230	23.510	✓	SET S.F.W.M.D DISC STAMPED M-1236 2006
				6.950				
SHAKE	6.960			✓				" "
	6.670	6.670	30.180					
	6.380							
TBM#2				5.965			✓	
				5.615	5.615	24.565	✓	MAG NL S/W
				5.265			✓	
							ERR = 0.305	

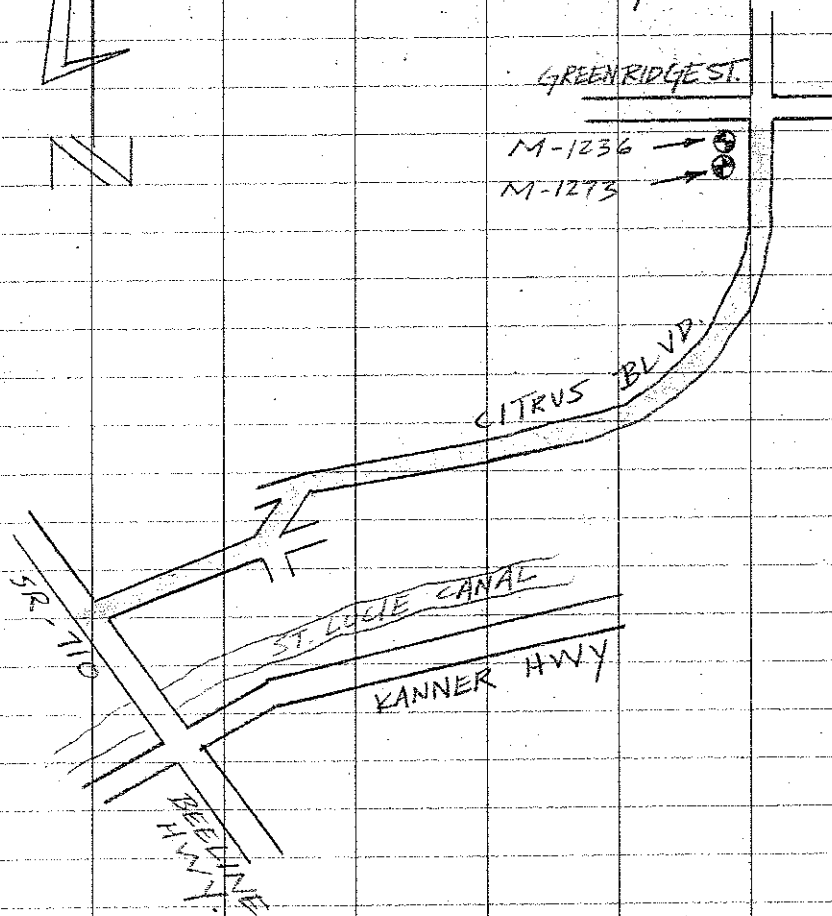
SAME  
CREW

1/5/06

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

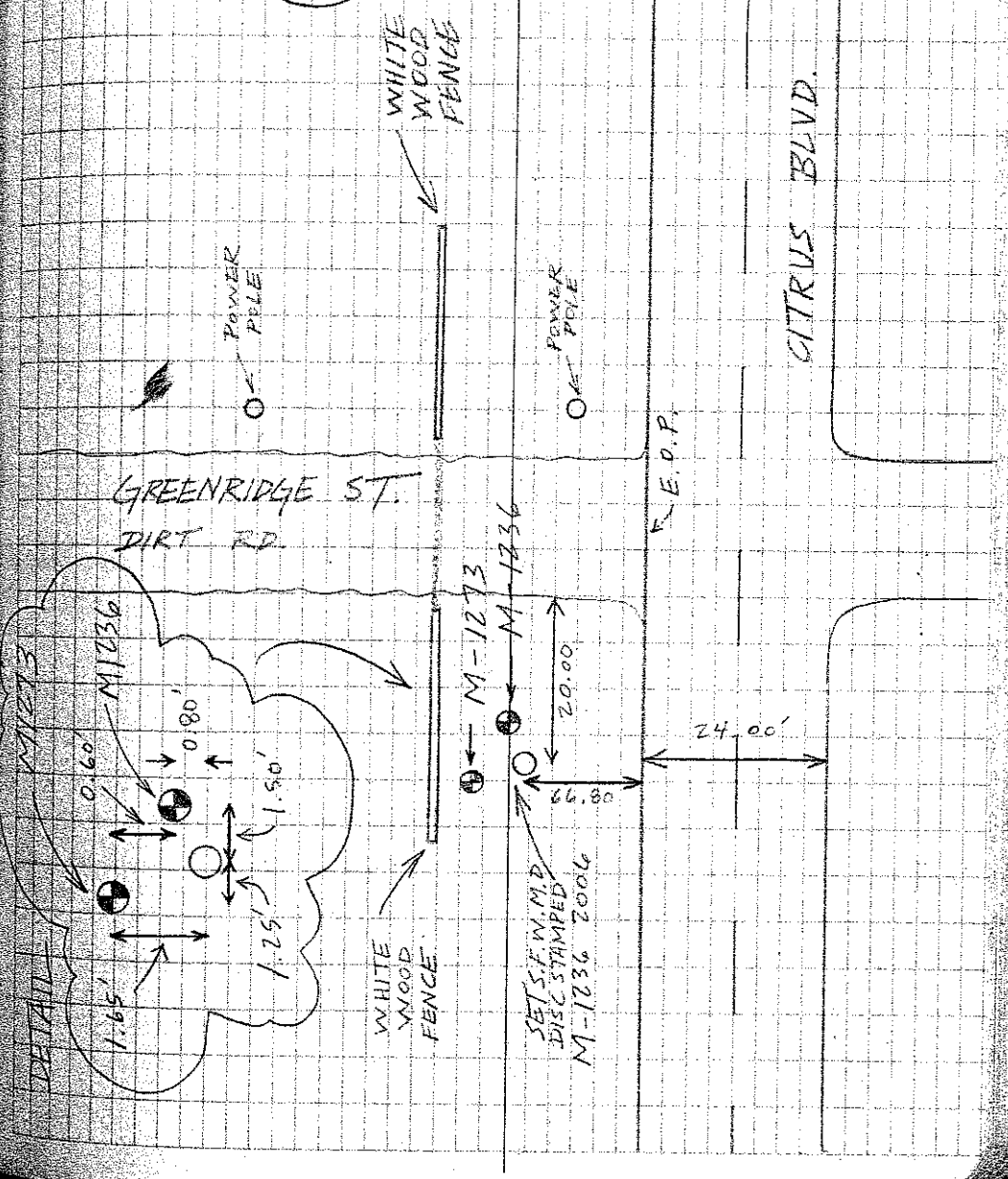
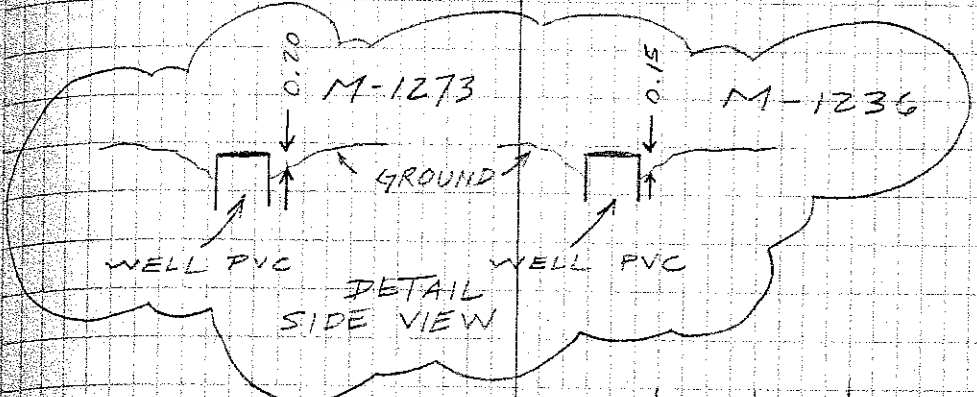
(SITE-N  
DESCRIPTION)

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.



2564 / 28

SKETCH OF WELL SITE M-1273, M1236



A. REDERO  
T. LOPEZ  
P. NAYLOR

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

"SITE - 0"

1/11/06

(ESTABLISH  
ELEV. ON WELL  
M-1274)

STA	ZS	MEAN	HI	FS	MEAN ELEV	ELEV	BM
	8.640						
BM	7.180	7.180	28.480	✓		21.30	
	5.720						
				10.050			
DISC				7.910	7.910	20.570	✓
M-1274				5.770			
	9.420						
SHAKE	7.580	7.580	28.150	✓			
	5.740						
				8.420			
WELL				7.110	7.110	21.040	✓
M-1274				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 (2516) N  
BRASS D. IN CONC. MON.  
STAMPED 2516 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

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

1/11/06

"SITE - 0"

(ELEV. CONT.)

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV	BM
	12.480							
SHAKE	11.710	11.710	49.065	✓				
	10.940							
				2.790				
TP#3				2.180	2.180	46.885	✓	
				1.570				
	7.120							
SHAKE	6.860	6.860	53.745	✓				
	6.600							
				1.910				
BM				1.570	1.570	52.175	52.19	✓
				1.230				

ERR = 0.015V

IESC

CUT NL

CUT NL

CUT NL

NGS # AC5386 (I-95 H 16) NAVD 88  
 BRASS D. STAMPED BM I-95 H 16  
 FOOT IN CONC GUARDRAIL OF  
 BRIDGE

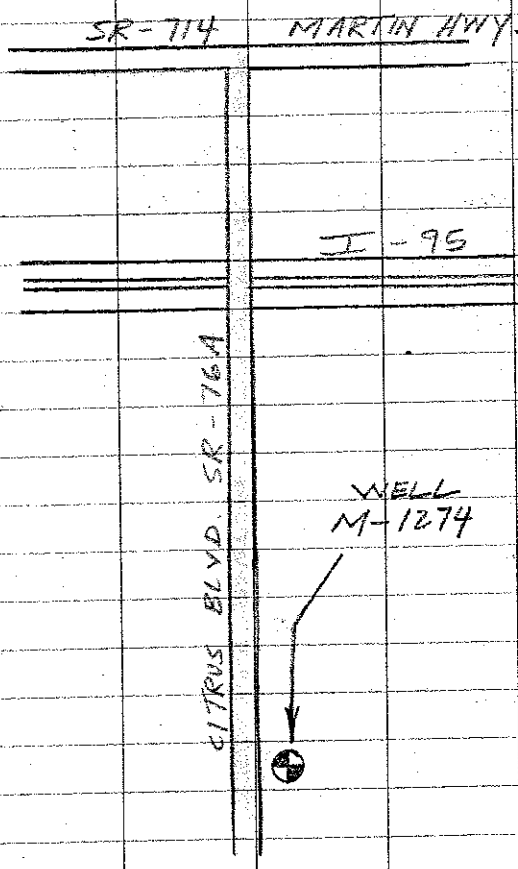
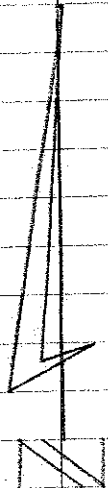
SAME  
CREW

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

1/11/06

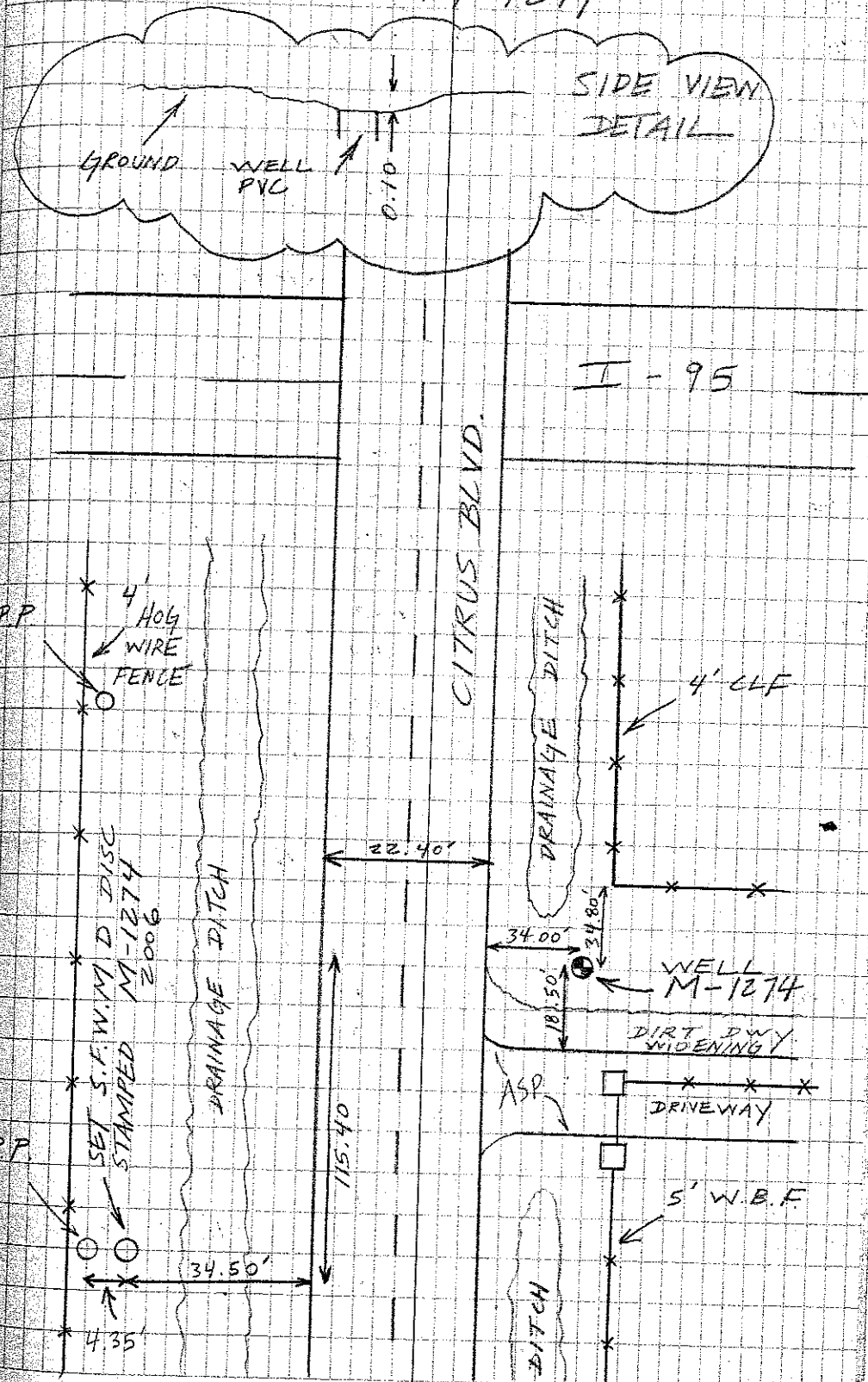
(SITE - 0  
DESCRIPTION)

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  
LEFT SIDE OF THE  
RD. NEXT TO THE DRIVEWAY  
FOR HOUSE # 6807.



2564 / 31

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

DESC

NGS # AJ 8518 (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. #03-77616  
S.F.W.M.D  
1/11/06 "SITE - P"  
(ELEV. CONT)

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

SAME  
CREW

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

1/11/06

" SITE - P "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN ELEV	BM ELEV	DESC	
	6.555							
SHAKE	4.475 2.395	4.475	34.830	✓			CUT NL	
				6.730				
TP#12				4.380 2.030	4.380	30.450	✓	CUT NL
	6.890							
SHAKE	4.780 2.670	4.780	35.230	✓			CUT NL	
				7.200				
TP#13				4.785 2.370	4.785	30.445	✓	CUT NL
	7.655							
SHAKE	5.045 2.435	5.045	35.490	✓			CUT NL	
				7.100				
TP#14				4.950 2.800	4.950	30.540	✓	CUT NL
	6.385							
SHAKE	4.315 2.245	4.315	34.855	✓			CUT NL	
				6.400				
TP#15				4.050 1.700	4.050	30.805	✓	CUT NL
	6.690							
SHAKE	4.980 3.210	4.980	35.785	✓			CUT NL	

A. REDERO  
T. LOPEZ  
A. FERNANDEZ

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

"SITE - P"

1/12/06

(ELEV. CONT)

BM

STA	BS	MEAN	HI	FS	MEAN ELEV	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						
				5.810			
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	ELEV	BM
				3.520				
TA#20				2.400	2.400	47.395	✓	
				1.280				
	15.960							
SHAKE	14.770	14.770	62.165	✓				
	13.580							
				4.565			✓	
BM				2.355	2.355	59.810	59.780	✓
				0.145				
								ERR=0.030 ✓

CUT NL

CUT NL

I95 85 A06 RM1

NGS # AF715B. (A06) NAVD 88  
FDOT BRASS D. IN CONC GUARDRAIL  
STAMPED I-95 85 A06 RM 1

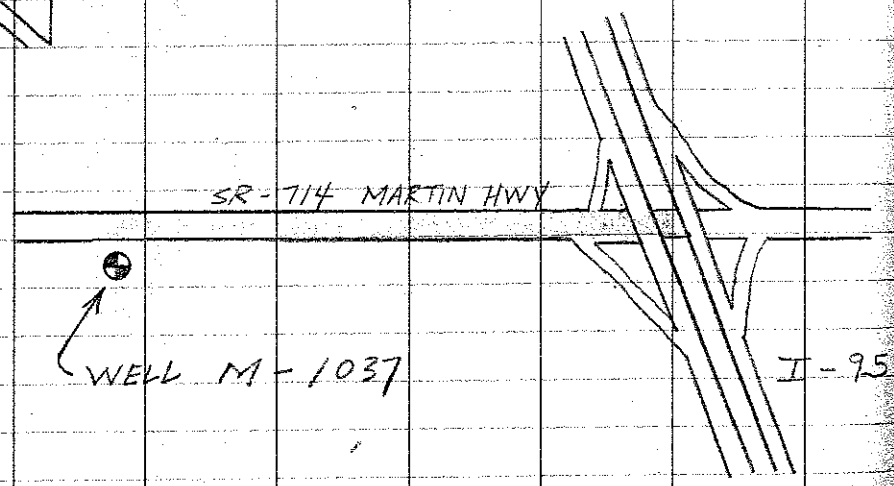
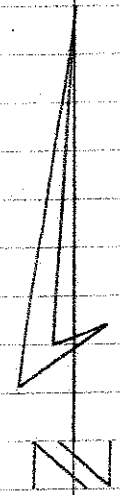
SAME  
CREW

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

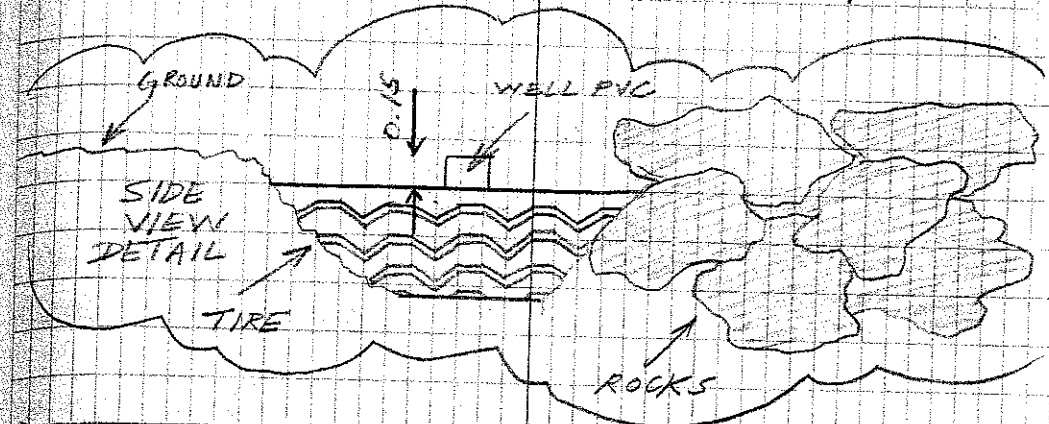
(SITE - P  
DESCRIPTION)

1/10/06

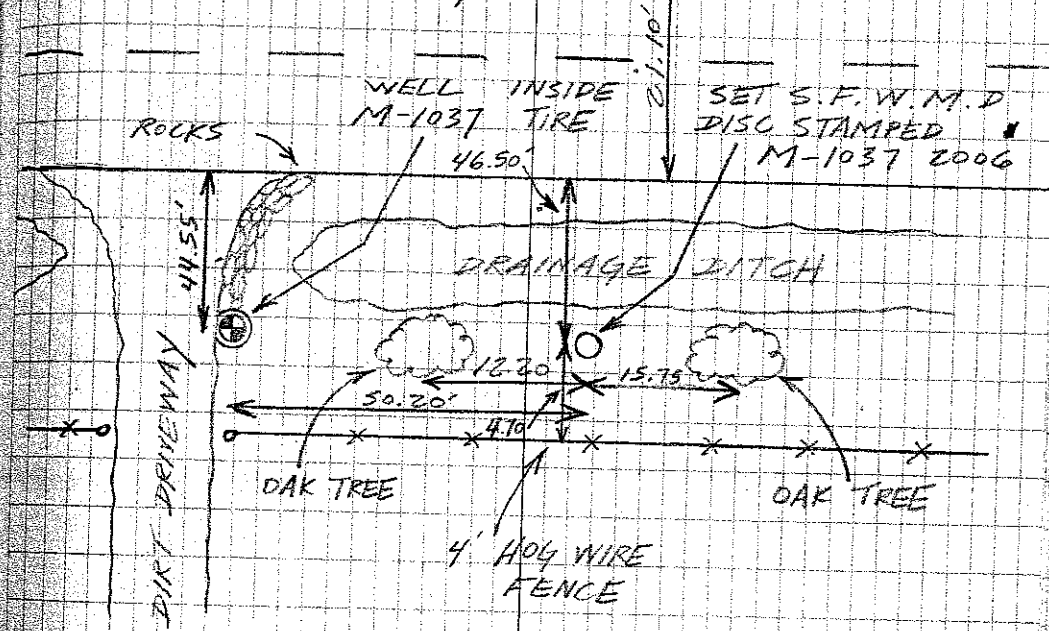
DIRECTIONS - FROM THE INTERSECTION OF  
I-95 AND SR-714 MARTIN  
HWY. TRAVEL WEST ON  
SR-714 FOR 1.7 MILES.  
TO THE WELL ON THE  
LEFT SIDE OF THE RD.  
NEXT TO THE DRIVEWAY  
FOR HOUSE # 12100.



2564/38  
SKETCH FOR WELL SITE M-1037



MARTIN HWY



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	ELEV
	3.560						BM
BM	3.060	3.060	46.440	✓			43.38
	2.560						
TP#1							
					17.600		
					17.010	17.010	29.430 ✓
					16.420		
	6.700						
SHAKE	5.315	5.315	34.745	✓			
	3.930						
TP#2							
					6.700		
					5.240	5.240	29.505 ✓
					3.780		
	6.500						
SHAKE	4.975	4.975	34.480	✓			
	3.450						
TP#3							
					6.890		
					5.310	5.31	29.170 ✓
					3.730		
	7.200						
SHAKE	5.160	5.160	34.930	✓			
	4.320						
TP#4							
					6.640		
					5.120	5.120	29.810 ✓
					3.600		
	6.210						
SHAKE	4.575	4.575	34.385	✓			
	2.940						

I 95 85 ALL  
NGS# AF7173 (ALL) NAVD 88  
FDOT BRASS D. IN CONC MON.  
STAMPED I 95 85 ALL

CUT NL

CUT NL

60 D SPIKE

60 D SPIKE

60 D SPIKE

60 D SPIKE

60 D SPIKE

60 D SPIKE

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

1/12/06 " SITE - Q "  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV	BM	DESC
TP# 5				6.580					
				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				4.930	4.930	30.170	✓		SET S.F.W.M.D DISC STAMPED M-1248 2006
M-1248				4.220					
	5.980								
SHAKE	5.270	5.270	35.440	✓					"
	4.560								
				5.890					
WELL				5.185	5.185	30.255	✓		TOP OF PIPE WELL M-1248 (PVC)
M-1248				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					





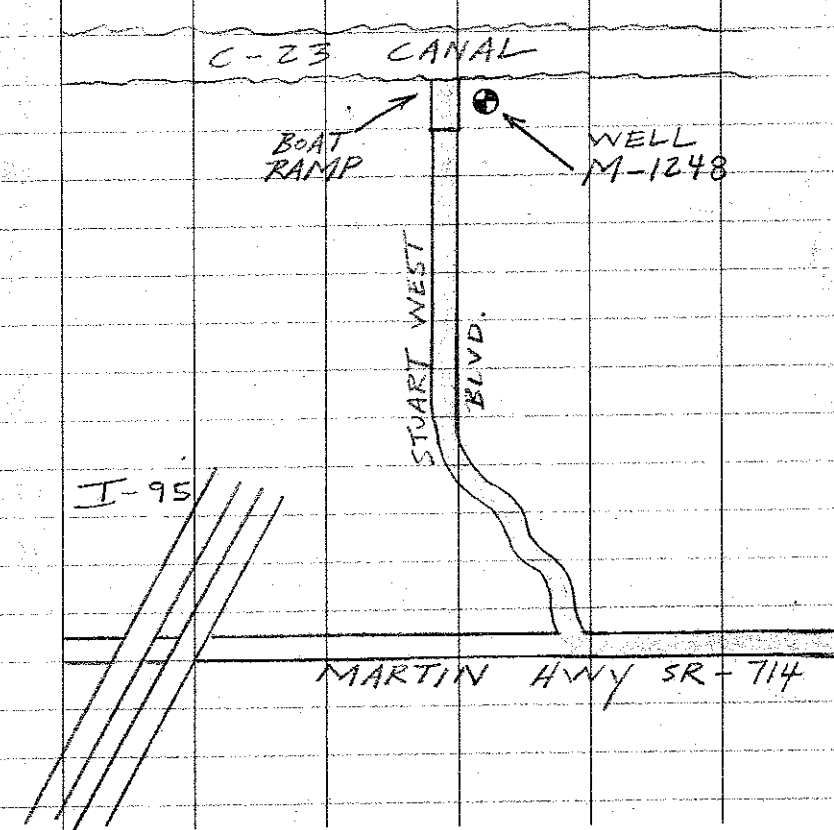
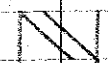
SAME  
CREW

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

1/12/06

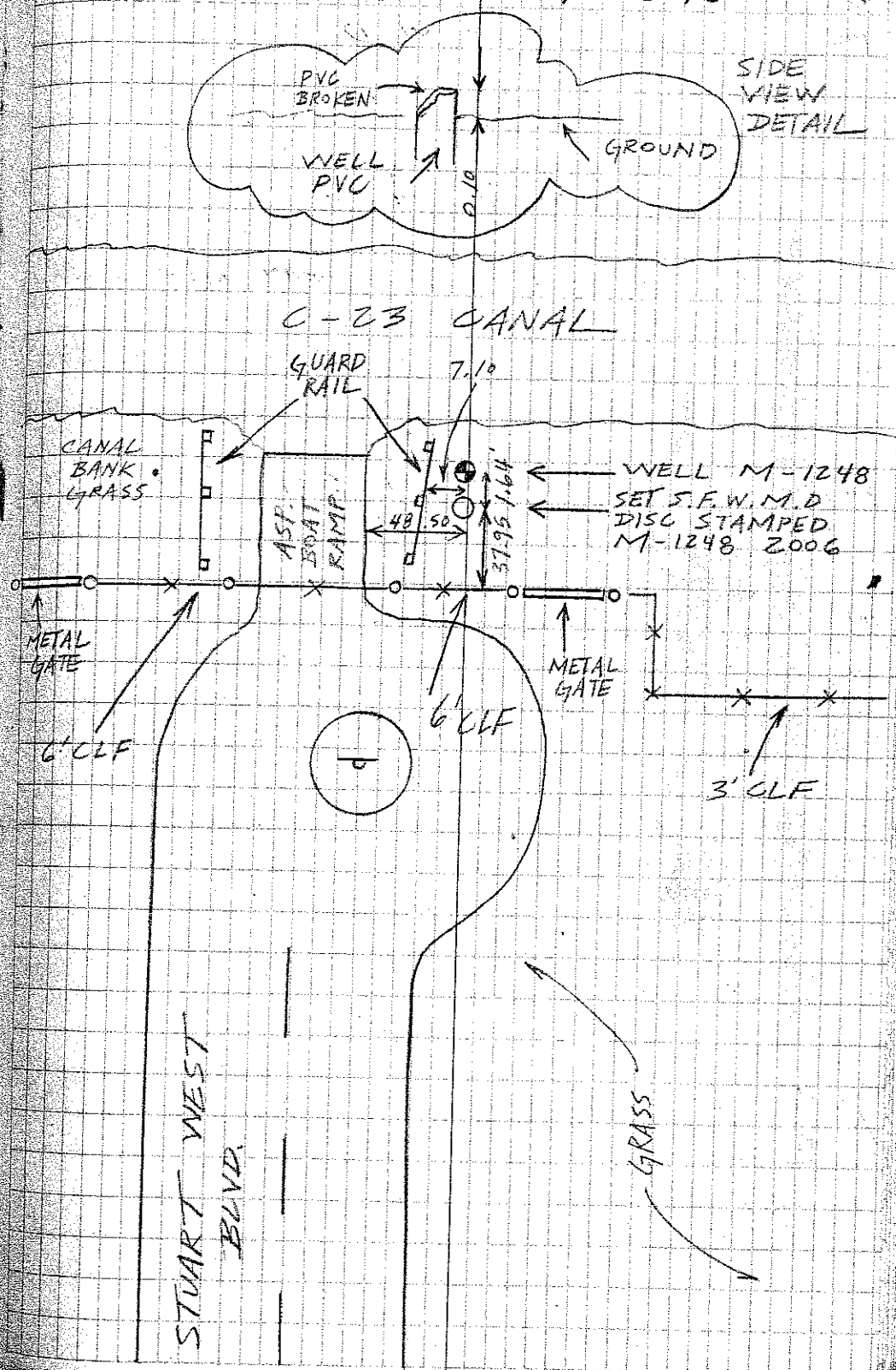
(SITE - Q  
DESCRIPTION)

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.



SKETCH OF WELL SITE

2564 / 42  
M-1248



A. REDERO  
T. LOPEZ  
A. FERNANDEZ

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

"SITE - R"

1/13/06

( ESTABLISH  
ELEV ON WELL  
M-1267 )

BM

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV
	4.490						
BM	3.985	3.985	9.625	✓			5.670 ✓
	3.480						
TP#1				7.210			
				5.170	5.170	4.455	✓
				3.130			
	6.850						
SHAKE	5.125	5.125	9.580	✓			
	3.400						
TP#2				7.830			
				5.940	5.940	3.640	✓
				4.060			
	6.550						
SHAKE	4.615	4.615	8.255	✓			
	2.680						
TP#3				6.060			
				4.350	4.350	3.905	✓
				2.640			
	7.225						
SHAKE	5.475	5.475	9.380	✓			
	3.725						
TP#4				9.110			
				7.090	7.090	2.290	✓
				5.070			
	8.410						
SHAKE	6.920	6.92	9.210	✓			
	5.430						

DESC  
NGS # A55614 (SLR 300) NAVD88  
BRASS I. 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

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

1/13/06

"SITE - R"  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
TP# 5				7.350 5.380 3.410	5.380	3.830	✓	CUT NL
SHAKE	4.090 2.220 0.350	2.220	6.050	✓				CUT NL
TP# 6				4.860 2.870 0.880	2.870	3.180	✓	CUT NL
SHAKE	7.910 6.030 4.250	6.080	9.260	✓				CUT NL
TP# 7				7.460 5.785 4.110	5.785	3.475	✓	CUT NL
SHAKE	7.000 5.435 3.870	5.435	8.910	✓				CUT NL
TBM# 1				7.450 5.925 4.400	5.925	2.985	✓	MAG NL & TI
SHAKE	7.740 6.560 5.380	6.560	9.545	✓				MAG NL & TI
TBM# 2				7.905 6.575 5.245	6.575	2.970	✓	MAG NL & TI

SAME  
CREW

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

1/13/06

"SITE-R"  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV.	BM ELEV.
SHAKE	7.500 5.825 4.150	5.825	8.795	✓			
TP#8				6.890 5.320 3.750	5.320	3.475	✓
SHAKE	7.380 5.705 4.030	5.705	9.180	✓			
TP#9				7.830 6.000 4.170	6.000	3.180	✓
SHAKE	4.950 2.960 0.970	2.960	6.140	✓			
TP#10				4.180 2.310 0.440	2.310	3.930	✓
SHAKE	7.180 5.210 3.240	5.210	9.040	✓			
TP#11				8.230 6.745 5.260	6.745	2.295	✓
SHAKE	9.060 7.045 5.030	7.045	9.340	✓			

DESC

MAG NL  $\frac{1}{2}$  TI

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

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
TP#12				7.170 5.425 3.680	5.425	3.915	✓	CUT NL
SHAKE	6.015 4.305 2.595	4.305	8.220	✓				CUT NL
TP#13				6.500 4.570 2.640	4.570	3.650	✓	CUT NL
SHAKE	7.760 5.870 3.980	5.870	9.520	✓				CUT NL
TP#14				6.770 5.050 3.330	5.050	4.470	✓	CUT NL
SHAKE	7.680 5.615 3.550	5.615	10.085	✓				CUT NL
TP#15				4.910 4.430 3.950	4.430	5.655	✓	BRASS D.
SHAKE	6.500 5.070 3.640	5.070	10.735	✓				BRASS D.
BM				7.690 5.230 2.770	5.230	5.495	5.480 ✓	BRASS D. IN CONC OF FISHING PIER STAMPED SLR 39 1992 JAX FL

✓  
NGS # AF 7129 (SLR 39) NAVD 88  
BRASS D. IN CONC OF FISHING PIER  
STAMPED SLR 39 1992 JAX FL

SAME  
CREW

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

1/13/06

"SITE-R"

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV	DESC
	5.850							
TBM#1	5.690	5.690	8.675				2.985	MAG NL & TT
	5.550							
				4.550				
WELL				4.270	4.270	4.405		TOP OF PIPE WELL M-1067 (PVC)
M-1267				3.990				
	4.590							
SHAKE	4.245	4.245	8.65					" "
	3.900							
				5.645				
DISC				5.065	5.065	3.535		SET S.F.W.M.D DISC STAMPED M-1267 2006
M-1267				4.485				
	5.840							
SHAKE	5.260	5.260	8.845					" "
	4.630							
				6.140				
TBM#2				5.870	5.870	2.975	2.97	MAG NL & TT
				5.600				
						ERROR	0.005	

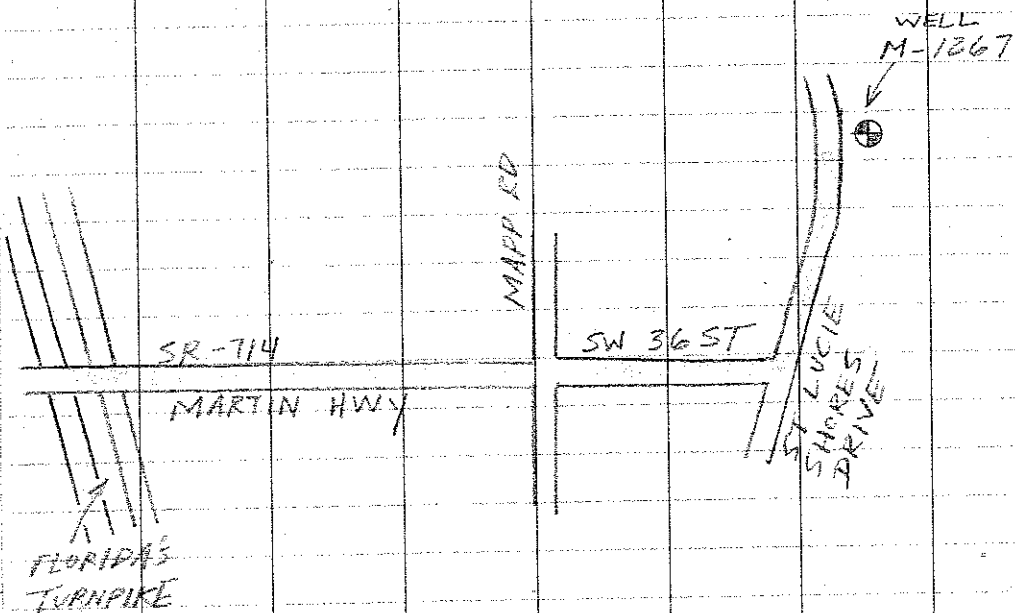
SAME  
CREW

1/13/06

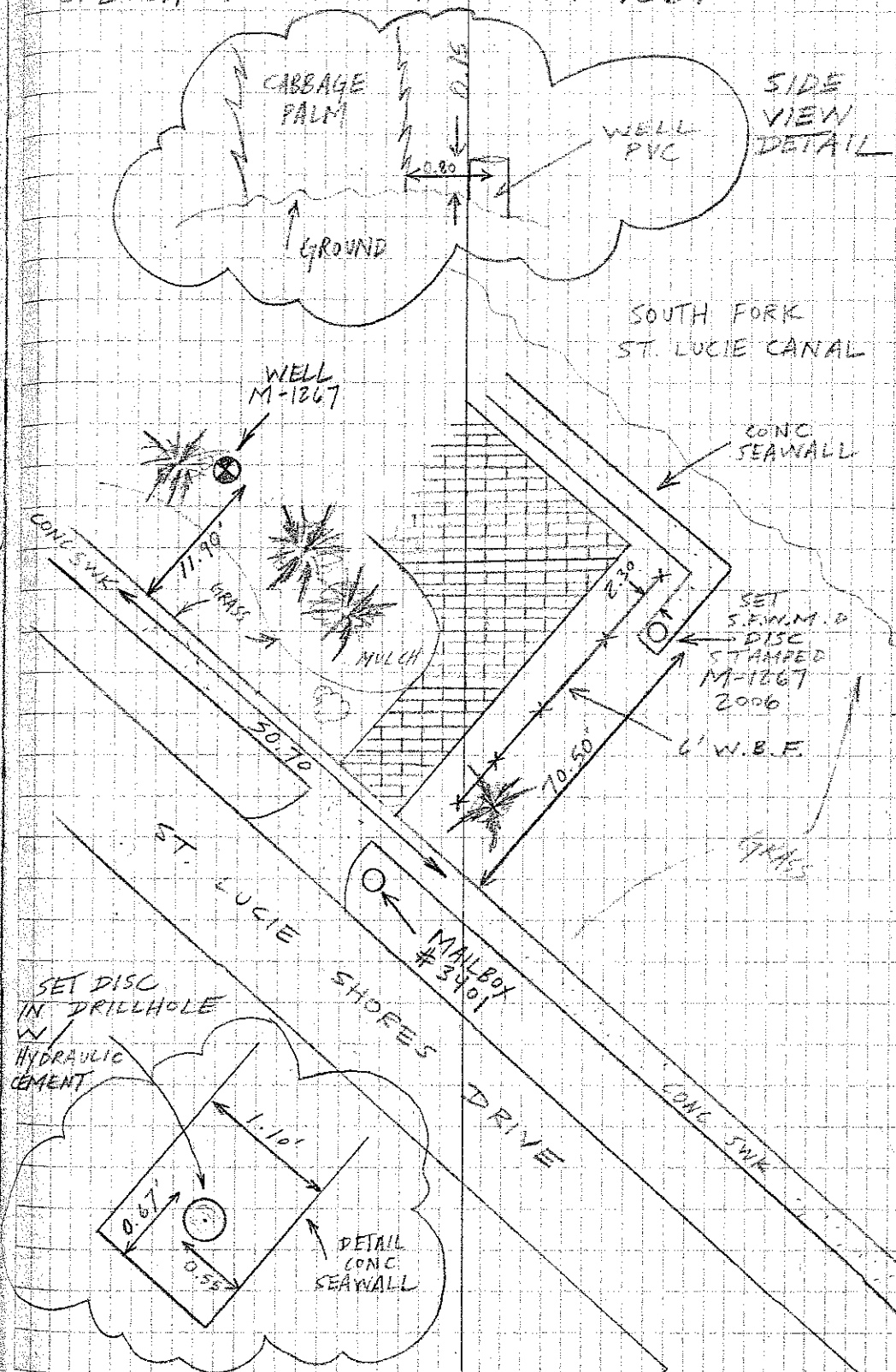
#03-17616  
S.F.W.M.D.

( 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  
T. LOPEZ  
A. LOPEZ

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

"SITE - 5"

1/17/06

(ESTABLISH  
ELEV. ON WELL  
M-1043)

STA	BS	MEAN	HI	FS	MEAN	ELEV	B.M. ELEV	DESC
	13.170						✓	NGS # AJ5264 (GCY DZZ) NAYD 88
BM	11.865	11.865	26.715	✓			14.85	BRASS D. IN CONC MON.
	10.560							STAMPED GCY DZZ 2001
TP#1				1.220				CUT NL
				0.780	0.780	25.935	✓	
				0.340				
	11.350							CUT NL
SHAKE	10.410	10.410	36.345	✓				
	9.470							
TP#2				7.150				CUT NL
				6.0350	6.035	30.310	✓	
				4.920				
	11.480							CUT NL
SHAKE	10.640	10.640	40.950	✓				
	9.800							
TP#3				11.920				CUT NL
				10.730	10.730	30.220	✓	
				9.540				
	1.460							CUT NL
SHAKE	0.860	0.860	31.080	✓				
	0.260							
TP#4				9.380				CUT NL
				8.320	8.320	22.760	✓	
				7.260				
	3.300							CUT NL
SHAKE	2.580	2.580	25.340	✓				
	1.860							



SAME  
CREW

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

1/17/06

" SITE - S "

(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV	BM	DESC
TBM#1				3.860 2.865 1.870	2.865	22.475	✓		MAG NL & TT
SHAKE	4.180 3.195 2.210	3.195	25.670	✓					MAG NL & TT
TBM#2				4.120 3.120 2.120	3.120	22.550	✓		MAG NL & TT
SHAKE	3.780 2.770 1.760	2.770	25.320	✓					MAG NL & TT
TP#5				3.270 2.560 1.950	2.560	22.760	✓		CUT NL
SHAKE	9.300 8.240 7.180	8.240	31.000	✓					CUT NL
TP#6				1.380 0.780 0.180	0.780	30.220	✓		CUT NL
SHAKE	12.400 11.220 10.040	11.220	41.440	✓					CUT NL
TP#7				11.960 11.130 10.300	11.130	30.310	✓		CUT NL

A. REDERO  
T. LOPEZ  
A. LOPEZ

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

1/18/06

"SITE - S"  
(ELEV. CONT)

STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV	DESC
	7.290							
SHAKE	6.175 5.060	6.175	36.485	✓				CUT NL
TP# 8				11.490 10.550 9.610	10.550	25.935	✓	CUT NL
SHAKE	1.760 1.320 0.880	1.320	27.255	✓				CUT NL
TP# 9				13.450 12.155 10.860	12.155	15.100	✓	CUT NL
SHAKE	3.670 2.155 0.640	2.155	17.255	✓				CUT NL
TP# 10				8.540 6.495 4.450	6.495	10.760	✓	CUT NL
SHAKE	11.530 9.985 8.440	9.985	20.745	✓				CUT NL
TP# 11				2.760 1.760 0.760	1.760	18.985	✓	CUT NL
SHAKE	10.850 9.100 7.250	9.100	28.085	✓				CUT NL

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
				8.590			
TP#12				7.370	7.370	20.715	✓
				6.150			
	5.460						
SHAKE	4.620	4.620	25.335	✓			
	3.780						
				9.545			✓
BM				8.645	8.645	16.690	16.680 ✓
				7.745			ERR = 0.010 ✓

DESC

CUT NL

CUT NL

NGS # 4J5265 (GCY D23) NAVD 88  
BRASS D. IN CONC MON.  
STAMPED GCY D23 2001

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
	5.620						
TBM#1	5.405 5.190	5.405	27.980	✓		22.475	MAG NL & TT
				1.930			
WELL M-1043				1.630 1.430	1.630	26.250	✓ TOP OF PIPE WELL M-1043 (PVC)
	2.430						
SHAKE	2.360 2.270	2.350	28.600	✓			" "
				6.490			
DISC M-1043				6.420 6.350	6.420	22.180	✓ SET S.F.W.M.D DISC STAMPED M-1043 2006
	7.140						
SHAKE	8.945 8.750	8.945	31.125	✓			" "
				8.825			
TBM#2				8.575 8.325	8.575	22.550	22.550 MAG NL & TT ERR = 0.000 ✓

SKETCH OF WELL SITE M-1043

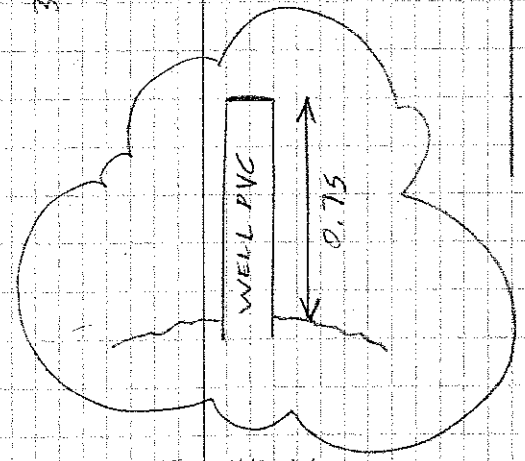
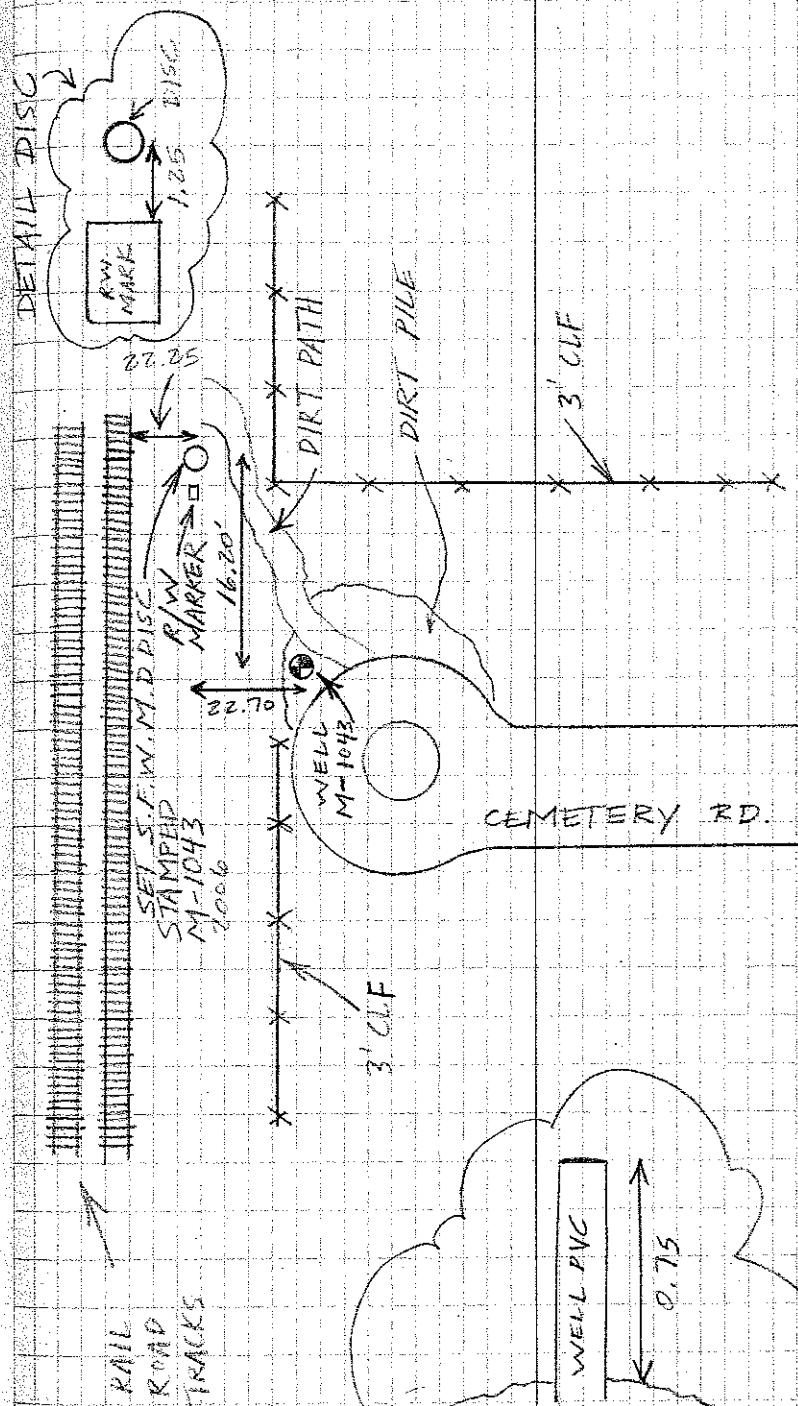
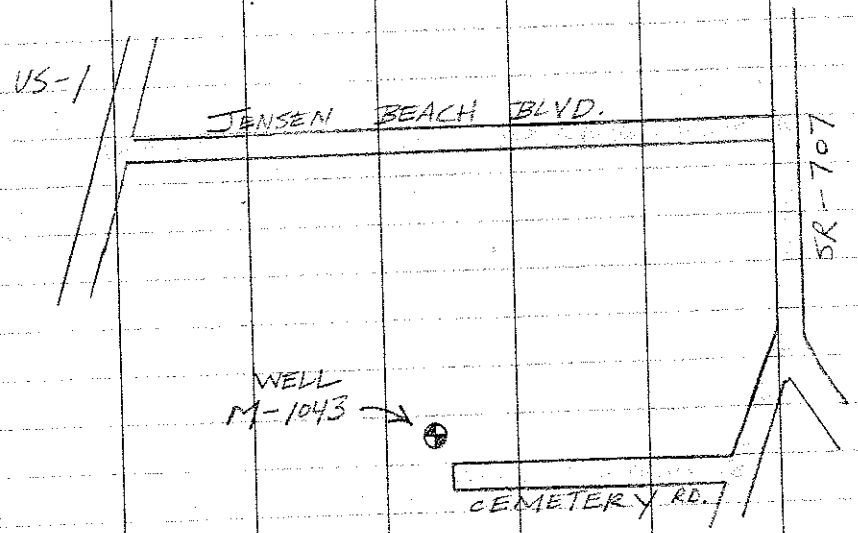
GAME  
CREW

#03-77616  
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 2.55 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 AILSAWTS  
EPISCOPAL CHURCH CEMETERY  
AND TRAVEL WEST ON THE  
CEMETERY RD. FOR 0.35 TO  
THE BACK OF THE CEMETERY.  
THE WELL IS TO THE RIGHT  
AND BEHIND A LARGE PILE  
OF DIRT.



SR-707

SAME  
CREW

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

1/13/06

SITE - T<sup>N</sup>

(ESTABLISH  
ELEV ON WELL  
SITE M-1259)

STA	BS	MEAN	HI	FS	MEAN	ELEV	ELEV	BM
	9.710						12.410	✓
BM	7.875	7.875	20.285	✓			—	
	6.040							
				6.120				
TP#1				4.760	4.760	15.525		✓
				3.400				
	6.360							
SHAKE	4.780	4.780	20.305	✓				
	3.200							
				6.140				
TP#2				4.530	4.530	15.775		✓
				2.920				
	6.330							
SHAKE	4.540	4.54	20.315	✓				
	2.750							
				6.115				
TP#3				4.545	4.545	15.770		✓
				2.975				
	6.530							
SHAKE	4.150	4.150	19.920	✓				
	1.770							
				7.030				
BM#1				5.350	5.350	14.570		✓
				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	EM ELEV
TBM#2				7.305 6.465 5.625	6.465	14.355	✓
SHAKE	9.130 7.635 6.140	7.635	21.990				✓
TP#4				6.760 5.045 3.330	5.045	16.945	✓
SHAKE	6.360 4.380 2.400	4.380	21.325				✓
TP#5				7.140 5.130 3.120	5.130	16.195	✓
SHAKE	6.780 4.440 2.100	4.440	20.635				✓
TP#6				7.030 4.975 2.920	4.975	15.660	✓
SHAKE	6.800 4.540 2.280	4.540	20.200				✓
TP#7				6.320 4.370 2.420	4.370	15.830	✓

DESC

MAG NL § TT

MAG NL § TT

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

SAME  
CREW

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

1/19/06

"SITE - T"

(ELEV. CONT)

STA	BS	MEAN HI	FS	MEAN ELEV	BM ELEV
SHAKE	6.940 4.700 2.460	4.700	20.530	✓	
TP#8			6.860 4.690 2.520	4.690	15.840 ✓
SHAKE	6.900 4.590 2.280	4.590	20.430	✓	
TP#9			6.660 4.970 3.280	4.970	15.460 ✓
SHAKE	6.385 4.735 3.085	4.735	20.195	✓	
BM			8.520 8.010 7.500	8.010	12.185 12.150 ERR = 0.035 ✓

DESC

CUT NL

CUT NL

CUT NL

CUT NL

CUT NL

NGS # AJ 5621 (MS16) NAVD 88  
BRASS D. IN CONC MON.  
STAMPED MS16 2001



A. REDERO  
T. LOPEZ  
A. LOPEZ

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

"SITE-T"  
(ELEV CONT)

2/22/06

STA	BS	MEAN	HI	FS	MEAN ELEV	BM ELEV
	4.620					
TBM#1	4.355 4.090	4.355	18.925			14.570
				6.030		
WELL M-1259				5.660 5.290	5.660	13.265
	5.575					
SHAKE	5.205 4.835	5.205	18.470			
				5.190		
DISC M-1259				4.830 4.470	4.830	13.640
	5.700					
SHAKE	5.345 4.990	5.345	18.985			
				4.890		
TBM#2				4.620 4.350	4.620	14.365 14.355

DESC

MAG NL & TT

See pg 55

TOP OF PIPE WELL M-1259 (PVC)

"

"

SET S.F.W.M.D. DISC STAMPED M-1259 2006

"

"

MAG NL & TT

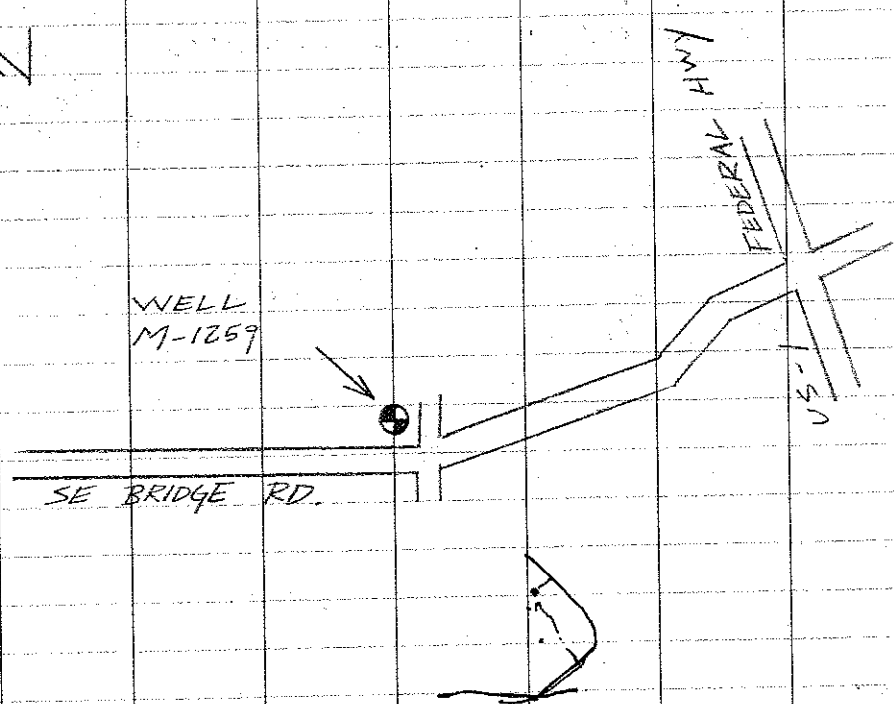
SAME  
CREW

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

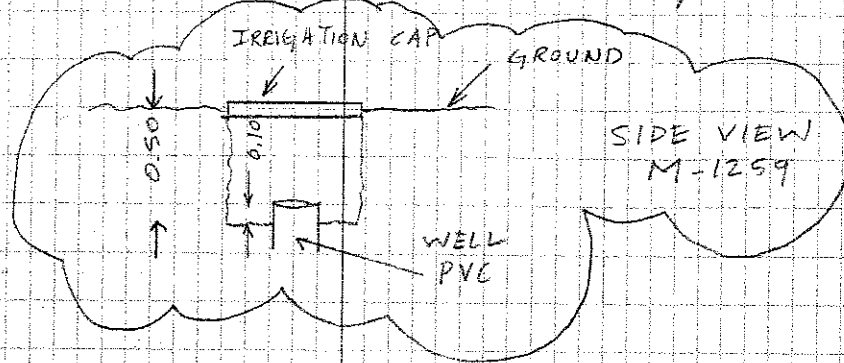
(SITE-T  
DESCRIPTION)

DIRECTIONS - FROM THE INTERSECTION OF US-1  
AND BRIDGE RD. SR-703 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.

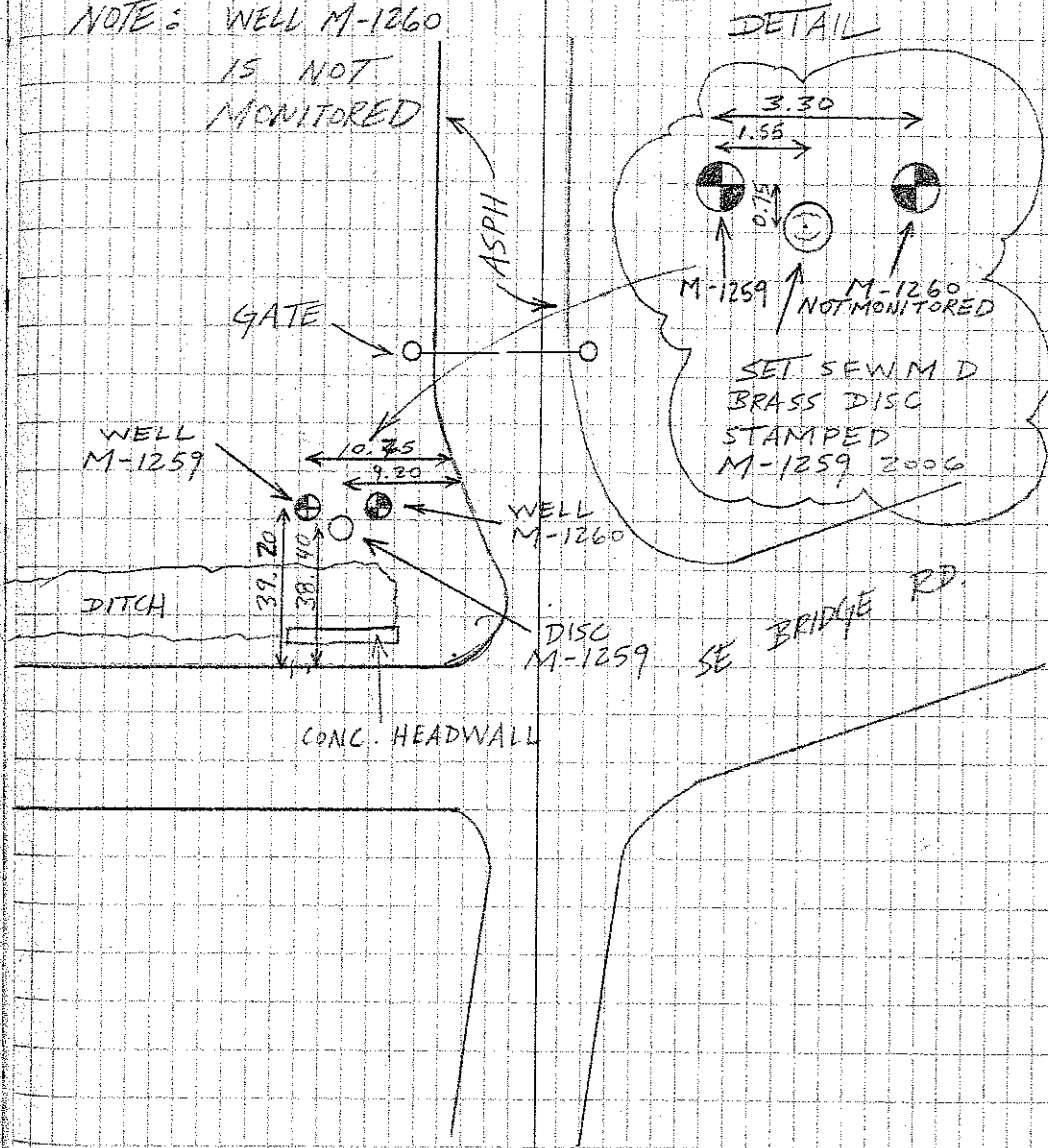
was dirt road before!



2564 / 59  
M-1259  
SKETCH OF WELL SITE



NOTE: WELL M-1260  
IS NOT  
MONITORED



DETAIL

SET SEW M D  
BRASS DISC  
STAMPED  
M-1259 2006



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 04/11/06

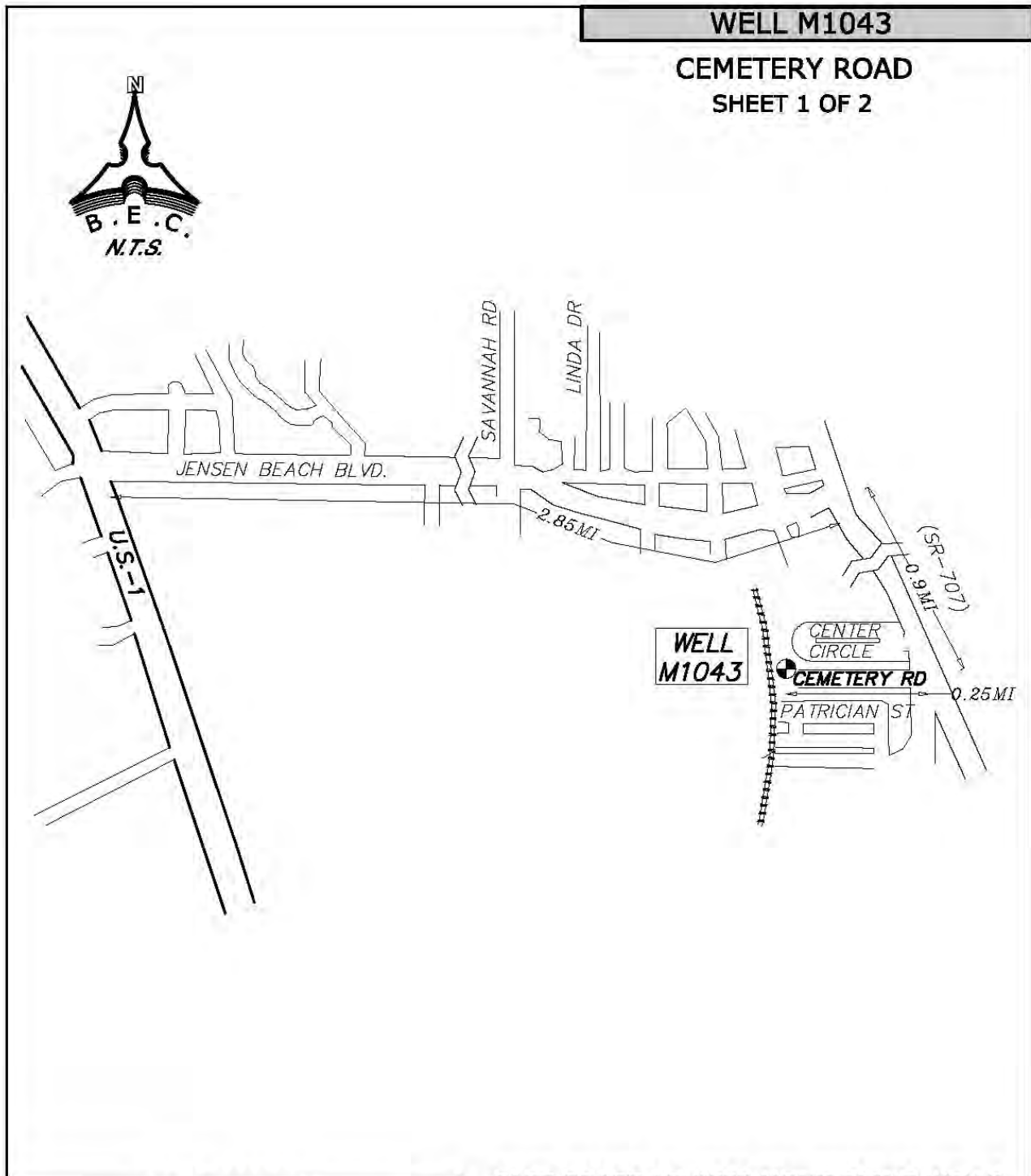
COUNTY	MARTIN	PROJECT	CEMETERY ROAD	DESIGNATION	M1043 2006
SECTIONS	<u>27</u>	TOWNSHIP	<u>37S</u>	RANGE	<u>41E</u>
GEOGRAPHIC INDEX OF QUAD <u>Florida</u>					
Established by Biscayne Engineering Company, Inc.			NAME OF QUADRANGLE ST. LUCIE INLET #2602		
SURVEYOR Mike J. Bartholomew DATE <u>04 / 11 / 2006</u>			FIELD BOOK <u>2564</u> PAGE <u>49</u>		
HORIZONTAL DATUM: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Other _____ (circle one) ZONE <u>0901 (EAST)</u>					
VERTICAL DATUM: MSL 1929 <input type="checkbox"/> 1988 <input checked="" type="checkbox"/> Other _____ (circle one)					
CONTROL ACCURACY: HORIZONTAL 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> SUB-METER (circle one) VERTICAL 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>					
STATE PLANE COORDINATES <u>M1043</u> (U.S. Survey feet)		X= <u>908462.935</u>	Y= <u>1054291.134</u>	DISC EL.= <u>22.18'</u> (NAVD-88)	
LATITUDE M1043 <u>27°13'55.225"N</u>			LONGITUDE <u>080°13'24.942"W</u>		
<b>DESCRIPTION</b>					
Benchmark is situated South of Jensen Beach Blvd., West of SR-707, East of the railroad tracks, and Northwest of Cemetery Road, within the All Saints Episcopal Church Cemetery property, Martin County, Florida.					
<b>TO REACH</b> the benchmark from the intersection of US-1 and Jensen Beach Blvd., travel East on Jensen Beach Blvd. for 2.85 miles to the intersection with SR-707; then turn right and head South on SR-707 for 0.9 miles until the road forks. Take the right fork and turn right into the All Saints Episcopal Church Cemetery. Thence proceed West along Cemetery Road for 0.25 miles to a turnaround at the back of the cemetery. Follow the dirt path that is at the Northwest end of Cemetery Road to the corner of a 3' high chain link fence. Benchmark is a brass SFWMD disc set 22.3 feet East of the Eastern edge of the railroad, 22.7 feet West of well "M-1043", and 1.3' North of a R/W marker.					
Note: Origin of NAVD88 elevation for BM "M1043" is closed bench level circuit through NGS benchmarks AJ5264 (GCY D22) and AJ5265 (GCY D23).					

SKETCH: SEE PAGE 2 and 3



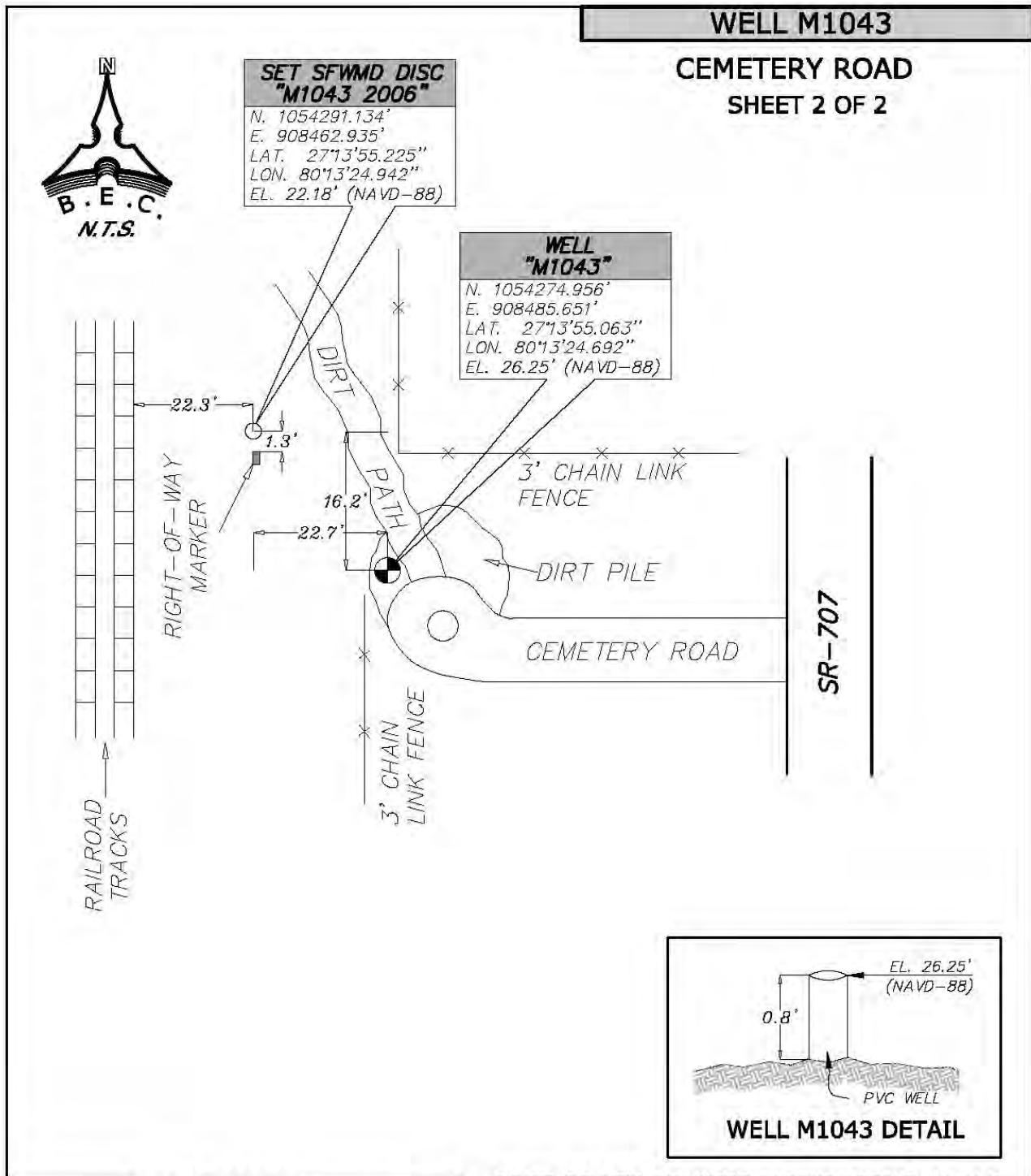
SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 04/11/06



**WELL M1043** **EAST COAST AQUIFER MONITORING WELLS**

PREPARED FOR: SOUTH FLORIDA WATER MANAGEMENT DISTRICT	<b>FIELD BOOK:</b> 2564	<b>DATE:</b> 04-11-06	<b>ORDER No.:</b> 03-77616	<b>BY:</b> I.V.
	PREPARED BY: <b>BISCAYNE ENGINEERING COMPANY, INC.</b> Consulting Engineers Planners Surveyors 529 WEST FLAGLER ST, MIAMI, FL. 33130 — TEL. (305)324-7671 — FAX (305)324-0809 LB #0129			



<b>WELL M1043</b>		<b>EAST COAST AQUIFER MONITORING WELLS</b>			
PREPARED FOR: SOUTH FLORIDA WATER MANAGEMENT DISTRICT		FIELD BOOK: 2564	DATE: 04-11-06	ORDER No.: 03-77616	BY: I.V.
		PREPARED BY: <b>BISCAYNE ENGINEERING COMPANY, INC.</b> 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: L26368 SSN+: mark floated, SSN\*: mark constrained, SSN#: mark floated & constrained

Mark ID	SSN	PID	Designation	Geopotential	Elevation	Codes
2051	1007	AJ5264	GCY D22	4.8797	4.9793	
2052	1008	AJ5265	GCY D23	5.4268	5.5376	

## 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 27, 2006

AJ5265 \*\*\*\*\*

AJ5265 DESIGNATION - GCY D23

AJ5265 PID - AJ5265

AJ5265 STATE/COUNTY- FL/MARTIN

AJ5265 USGS QUAD - ST LUCIE INLET (1983)

AJ5265

AJ5265 \*CURRENT SURVEY CONTROL

AJ5265

AJ5265\* NAD 83(1999)- 27 13 24.56806(N) 080 13 12.86006(W) ADJUSTED

AJ5265\* NAVD 88 - 5.085 (meters) 16.68 (feet) ADJUSTED

AJ5265

AJ5265 X - 964,062.121 (meters) COMP

AJ5265 Y - -5,593,102.914 (meters) COMP

AJ5265 Z - 2,900,248.184 (meters) COMP

AJ5265 LAPLACE CORR- -2.97 (seconds) DEFLEC99

AJ5265 ELLIP HEIGHT- -22.50 (meters) (09/27/01) GPS OBS

AJ5265 GEOID HEIGHT- -27.59 (meters) GEOID03

AJ5265 DYNAMIC HT - 5.077 (meters) 16.66 (feet) COMP

AJ5265 MODELED GRAV- 979,119.2 (mgal) NAVD 88

AJ5265

AJ5265 HORZ ORDER - FIRST

AJ5265 VERT ORDER - SECOND CLASS I

AJ5265 ELLP ORDER - FOURTH CLASS II

AJ5265

AJ5265.The horizontal coordinates were established by GPS observations

AJ5265.and adjusted by the National Geodetic Survey in September 2001.

AJ5265

AJ5265.The orthometric height was determined by differential leveling

AJ5265.and adjusted by the National Geodetic Survey in August 2002.

AJ5265

AJ5265.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AJ5265

AJ5265.The Laplace correction was computed from DEFLEC99 derived deflections.

AJ5265

AJ5265.The ellipsoidal height was determined by GPS observations

AJ5265.and is referenced to NAD 83.

AJ5265

AJ5265.The geoid height was determined by GEOID03.

AJ5265

AJ5265.The dynamic height is computed by dividing the NAVD 88

AJ5265.geopotential number by the normal gravity value computed on the

AJ5265.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AJ5265.degrees latitude (g = 980.6199 gals.).

AJ5265

AJ5265.The modeled gravity was interpolated from observed gravity values.

AJ5265

AJ5265; North East Units Scale Factor Converg.

AJ5265;SPC FL E - 320,407.037 277,238.364 MT 1.00001479 +0 21 24.2

AJ5265;UTM 17 - 3,011,429.697 577,212.011 MT 0.99967359 +0 21 24.2

AJ5265

AJ5265! - Elev Factor x Scale Factor = Combined Factor

AJ5265!SPC FL E - 1.00000353 x 1.00001479 = 1.00001832  
 AJ5265!UTM 17 - 1.00000353 x 0.99967359 = 0.99967712

AJ5265

AJ5265: Primary Azimuth Mark Grid Az  
 AJ5265:SPC FL E - GCY D22 359 44 24.4  
 AJ5265:UTM 17 - GCY D22 359 44 24.4

AJ5265

AJ5265	PID	Reference Object	Distance	Geod. Az
AJ5265				ddmmss.s
AJ5265	AJ5264	GCY D22	APPROX. 0.7 KM	0000548.6

AJ5265

AJ5265 SUPERSEDED SURVEY CONTROL

AJ5265

AJ5265.No superseded survey control is available for this station.

AJ5265

AJ5265\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL7721211430(NAD 83)

AJ5265\_MARKER: DH = HORIZONTAL CONTROL DISK

AJ5265\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AJ5265\_STAMPING: GCY D23 2001

AJ5265\_MARK LOGO: FL-085

AJ5265\_PROJECTION: FLUSH

AJ5265\_MAGNETIC: N = NO MAGNETIC MATERIAL

AJ5265\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AJ5265+STABILITY: SURFACE MOTION

AJ5265\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AJ5265+SATELLITE: SATELLITE OBSERVATIONS - April 08, 2002

AJ5265

AJ5265	HISTORY	Date	Condition	Report By
AJ5265	HISTORY	20010509	MONUMENTED	GCYI
AJ5265	HISTORY	20020408	GOOD	GCYI

AJ5265 HISTORY - 20010509 MONUMENTED GCYI

AJ5265 HISTORY - 20020408 GOOD GCYI

AJ5265

AJ5265 STATION DESCRIPTION

AJ5265

AJ5265'DESCRIBED BY G.C.Y., INCORPORATED 2001 (MDL)

AJ5265'THE STATION IS LOCATED 2.5 KM (1.6 MI) SOUTHEAST OF JENSEN BEACH AND

AJ5265'4.2 KM

AJ5265'(2.6 MI) NORTHEAST OF STUART NEAR THE EAST RIGHT OF WAY OF DIXIE

AJ5265'HIGHWAY

AJ5265'IN SECTION 26, TOWNSHIP 37 SOUTH, RANGE 41 EAST, MARTIN COUNTY,

AJ5265'FLORIDA.

AJ5265'

AJ5265'TO REACH THE STATION FROM THE INTERSECTION OF JENSEN BEACH BOULEVARD

AJ5265'AND THE FLORIDA EAST COAST RAILWAY, GO EAST ON JENSEN BEACH BOULEVARD

AJ5265'0.23 KM (0.14 MI) TO THE INTERSECTION WITH INDIAN RIVER DRIVE. THEN GO

AJ5265'SOUTHERLY ON INDIAN RIVER DRIVE 1.5 KM (0.9 MI) TO THE INTERSECTION

AJ5265'WITH

AJ5265'DIXIE HIGHWAY. THEN GO SOUTHERLY ALONG DIXIE HIGHWAY 1.1 KM (0.7 MI)

AJ5265'TO THE

AJ5265'STATION ON THE LEFT.

AJ5265'

AJ5265'STATION IS LOCATED NEAR THE NORTH SIDE OF A PLANTED TRAFFIC ISLAND 1.0

AJ5265'M

AJ5265'(3.2 FT) SOUTH OF THE SOUTH EDGE OF PAVEMENT AT THE NORTH SIDE OF THE

AJ5265'TRAFFIC ISLAND AND 13.05 M (42.8 FT) NORTH OF A CARSONITE WITNESS

AJ5265'POST.

AJ5265'REFERENCES -

AJ5265'GCY, INC. MAG NAIL AND WASHER IN SOUTH EDGE OF PAVEMENT AT NORTH SIDE

AJ5265'OF

AJ5265'TRAFFIC ISLAND - 22 DEG. MAG. AZ. - 1.83 M (6.00 FT)  
 AJ5265'GCY, INC. MAG NAIL AND WASHER IN WEST EDGE OF PAVEMENT AT EAST SIDE OF  
 AJ5265'TRAFFIC ISLAND - 96 DEG. MAG. AZ. - 3.12 M (10.23 FT)  
 AJ5265'GCY, INC. MAG NAIL AND WASHER IN EAST EDGE OF PAVEMENT OF DIXIE  
 AJ5265'HIGHWAY -  
 AJ5265'249 DEG. MAG. AZ. - 11.26 M (36.94 FT)  
 AJ5265'GCY, INC. MAG NAIL AND WASHER IN EAST EDGE OF PAVEMENT OF DIXIE  
 AJ5265'HIGHWAY -  
 AJ5265'310 DEG. MAG. AZ. - 4.03M (13.23 FT)  
 AJ5265'  
 AJ5265'NOTE-  
 AJ5265'DEEP ONE MAGNET BURIED AT NORTH SIDE OF MONUMENT.  
 AJ5265'  
 AJ5265'  
 AJ5265'  
 AJ5265'  
 AJ5265  
 AJ5265 STATION RECOVERY (2002)  
 AJ5265  
 AJ5265'RECOVERY NOTE BY G.C.Y., INCORPORATED 2002 (PA)  
 AJ5265'MARK RECOVERED AS DESCRIBED.  
 AJ5265'

\*\*\* retrieval complete.  
 Elapsed Time = 00:00:01



From the "ngvd29.txt" file provided by NGS for the CERP Geodetic Vertical Control Project.  
 Line/Part: L26368 SSN+: mark floated, SSN\*: mark constrained, SSN#: mark floated & constrained

Mark ID	SSN	PID	Designation	Geopotential	Elevation	Codes
2051	1007	AJ5264	GCY D22	4.8797	4.9793	
2052	1008	AJ5265	GCY D23	5.4268	5.5376	

## 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 27, 2006

AJ5264 \*\*\*\*\*

AJ5264 DESIGNATION - GCY D22

AJ5264 PID - AJ5264

AJ5264 STATE/COUNTY- FL/MARTIN

AJ5264 USGS QUAD - ST LUCIE INLET (1983)

AJ5264

AJ5264 \*CURRENT SURVEY CONTROL

AJ5264

AJ5264\* NAD 83(1999)- 27 13 45.82011(N) 080 13 12.81988(W) ADJUSTED

AJ5264\* NAVD 88 - 4.527 (meters) 14.85 (feet) ADJUSTED

AJ5264

AJ5264 X - 964,012.290 (meters) COMP

AJ5264 Y - -5,592,807.305 (meters) COMP

AJ5264 Z - 2,900,829.579 (meters) COMP

AJ5264 LAPLACE CORR- -2.95 (seconds) DEFLEC99

AJ5264 ELLIP HEIGHT- -23.07 (meters) (09/27/01) GPS OBS

AJ5264 GEOID HEIGHT- -27.60 (meters) GEOID03

AJ5264 DYNAMIC HT - 4.520 (meters) 14.83 (feet) COMP

AJ5264 MODELED GRAV- 979,120.2 (mgal) NAVD 88

AJ5264

AJ5264 HORZ ORDER - FIRST

AJ5264 VERT ORDER - SECOND CLASS I

AJ5264 ELLP ORDER - FOURTH CLASS II

AJ5264

AJ5264.The horizontal coordinates were established by GPS observations

AJ5264.and adjusted by the National Geodetic Survey in September 2001.

AJ5264

AJ5264.The orthometric height was determined by differential leveling

AJ5264.and adjusted by the National Geodetic Survey in August 2002.

AJ5264

AJ5264.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AJ5264

AJ5264.The Laplace correction was computed from DEFLEC99 derived deflections.

AJ5264

AJ5264.The ellipsoidal height was determined by GPS observations

AJ5264.and is referenced to NAD 83.

AJ5264

AJ5264.The geoid height was determined by GEOID03.

AJ5264

AJ5264.The dynamic height is computed by dividing the NAVD 88

AJ5264.geopotential number by the normal gravity value computed on the

AJ5264.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AJ5264.degrees latitude (g = 980.6199 gals.).

AJ5264

AJ5264.The modeled gravity was interpolated from observed gravity values.

AJ5264

AJ5264; North East Units Scale Factor Converg.

AJ5264;SPC FL E - 321,061.173 277,235.396 MT 1.00001479 +0 21 24.5

AJ5264;UTM 17 - 3,012,083.610 577,209.044 MT 0.99967359 +0 21 24.5

AJ5264

AJ5264! - Elev Factor x Scale Factor = Combined Factor

AJ5264!SPC FL E - 1.00000362 x 1.00001479 = 1.00001841  
 AJ5264!UTM 17 - 1.00000362 x 0.99967359 = 0.99967721  
 AJ5264  
 AJ5264: Primary Azimuth Mark Grid Az  
 AJ5264:SPC FL E - GCY D23 179 44 24.1  
 AJ5264:UTM 17 - GCY D23 179 44 24.1  
 AJ5264

AJ5264	PID	Reference Object	Distance	Geod. Az
AJ5264				ddmmss.s
AJ5264	AJ5265	GCY D23	APPROX. 0.7 KM	1800548.6

AJ5264

AJ5264 SUPERSEDED SURVEY CONTROL

AJ5264

AJ5264.No superseded survey control is available for this station.

AJ5264

AJ5264\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL7720912084(NAD 83)

AJ5264\_MARKER: DH = HORIZONTAL CONTROL DISK

AJ5264\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AJ5264\_STAMPING: GCY D22 2001

AJ5264\_MARK LOGO: FL-085

AJ5264\_PROJECTION: FLUSH

AJ5264\_MAGNETIC: N = NO MAGNETIC MATERIAL

AJ5264\_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AJ5264+STABILITY: SURFACE MOTION

AJ5264\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AJ5264+SATELLITE: SATELLITE OBSERVATIONS - April 08, 2002

AJ5264

AJ5264 HISTORY - Date Condition Report By

AJ5264 HISTORY - 20010514 MONUMENTED GCYI

AJ5264 HISTORY - 20020408 GOOD GCYI

AJ5264

AJ5264 STATION DESCRIPTION

AJ5264

AJ5264'DESCRIBED BY G.C.Y., INCORPORATED 2001 (MDL)

AJ5264'THE STATION IS LOCATED 1.9 KM (1.2 MI) SOUTHEAST OF JENSEN BEACH AND

AJ5264'4.7 KM

AJ5264'(2.9 MI) NORTHEAST OF STUART NEAR THE WEST RIGHT OF WAY OF DIXIE

AJ5264'HIGHWAY

AJ5264'IN SECTION 27, TOWNSHIP 37 SOUTH, RANGE 41 EAST, MARTIN COUNTY,

AJ5264'FLORIDA.

AJ5264'

AJ5264'TO REACH THE STATION FROM THE INTERSECTION OF JENSEN BEACH BOULEVARD

AJ5264'AND THE FLORIDA EAST COAST RAILWAY, GO EAST ON JENSEN BEACH BOULEVARD

AJ5264'0.23 KM (0.14 MI) TO THE INTERSECTION WITH INDIAN RIVER DRIVE. THEN GO

AJ5264'SOUTHERLY ON INDIAN RIVER DRIVE 1.5 KM (0.9 MI) TO THE INTERSECTION

AJ5264'WITH

AJ5264'DIXIE HIGHWAY. THEN GO SOUTHERLY ALONG DIXIE HIGHWAY 0.45 KM (0.28 MI)

AJ5264'TO

AJ5264'THE INTERSECTION WITH SEAWAY DRIVE AND THE STATION ON THE RIGHT.

AJ5264'

AJ5264'STATION IS LOCATED 3.72 M (12.2 FT) WEST OF THE WEST EDGE OF PAVEMENT

AJ5264'OF

AJ5264'DIXIE HIGHWAY, 7.4 M (24.3 FT) EAST OF A CHAIN LINK FENCE AND 1.1 M

AJ5264'(3.6 FT) EAST

AJ5264'OF A CARSONITE WITNESS POST.

AJ5264'REFERENCES -

AJ5264'GCY, INC. MAG NAIL AND WASHER IN WOOD POWER POLE - 358 DEG. MAG. AZ. -

AJ5264'42.05 M



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AJ5264'REFERENCES -

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AJ5264'42.05 M

AJ5264'(137.97 FT)  
AJ5264'GCM, INC. MAG NAIL AND WASHER IN 11 INCH PALM TREE -06 DEG. MAG. AZ. -  
AJ5264'17.45 M  
AJ5264'(57.25 FT)  
AJ5264'GCM, INC. MAG NAIL AND WASHER IN NORTH EDGE OF PAVEMENT OF DIXIE  
AJ5264'HIGHWAY  
AJ5264'AT INTERSECTION WITH EAST EDGE OF PAVEMENT OF SEAVIEW DRIVE -79 DEG.  
AJ5264'MAG. AZ. - 13.86M (45.47 FT)  
AJ5264'GCM, INC. MAG NAIL AND WASHER IN 11 INCH PALM TREE -211 DEG. MAG. AZ.  
AJ5264'- 8.67 M  
AJ5264'(28.43 FT)  
AJ5264'  
AJ5264'NOTE-  
AJ5264'DEEP ONE MAGNET BURIED AT NORTH SIDE OF MONUMENT.  
AJ5264'  
AJ5264'  
AJ5264'  
AJ5264'  
AJ5264' STATION RECOVERY (2002)  
AJ5264'  
AJ5264'RECOVERY NOTE BY G.C.Y., INCORPORATED 2002 (PA)  
AJ5264'MARK RECOVERED AS DESCRIBED.  
AJ5264'

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

**LEVEL RUN**

DATE	STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV. NAVD-88	NOTES
	NGS BM	13.17							
01/17/06	AJ5264	11.87	11.87	26.72				14.85	
	(GCY D22)	10.56							
					1.220				
(FB 2564, PG 49...)	TP#1				0.780	0.78	25.94		
					0.340				
		11.35							
	SHAKE	10.41	10.41	36.35					
		9.47							
					7.150				
	TP#2				6.035	6.04	30.31		
					4.920				
		11.48							
	SHAKE	10.64	10.64	40.95					
		9.80							
					11.920				
	TP#3				10.730	10.73	30.22		
					9.540				
		1.46							
	SHAKE	0.86	0.86	31.08					
		0.26							
					9.380				
	TP#4				8.320	8.32	22.76		
					7.260				
		3.30							
	SHAKE	2.58	2.58	25.34					
		1.86							
					3.860				
	TBM#1				2.865	2.87	22.48		
					1.870				
		4.18							
	SHAKE	3.20	3.20	25.67					
		2.21							
					4.120				
	TBM#2				3.120	3.12	22.55		
					2.120				
		3.78							
	SHAKE	2.77	2.77	25.32					
		1.76							
					3.270				
	TP#5				2.560	2.56	22.76		
					1.850				
		9.30							
	SHAKE	8.24	8.24	31.00					
		7.18							
					1.380				
	TP#6				0.780	0.78	30.22		
					0.180				

**LEVEL RUN**

DATE	STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV. NAVD-88	NOTES
		12.40							
	<b>SHAKE</b>	11.22	11.22	41.44					
		10.04							
	<b>TP#7</b>				11.960				
					11.130	11.13	30.31		
					10.300				
		7.29							
	<b>SHAKE</b>	6.18	6.18	36.49					
		5.06							
	<b>TP#8</b>				11.490				
					10.550	10.55	25.94		
					9.610				
		1.76							
	<b>SHAKE</b>	1.32	1.32	27.26					
		0.88							
	<b>TP#9</b>				13.450				
					12.155	12.16	15.10		
					10.860				
		3.67							
	<b>SHAKE</b>	2.16	2.16	17.26					
		0.64							
	<b>TP#10</b>				8.540				
					6.495	6.50	10.76		
					4.450				
		11.53							
	<b>SHAKE</b>	9.99	9.99	20.75					
		8.44							
	<b>TP#11</b>				2.760				
					1.760	1.76	18.99		
					0.760				
		10.85							
	<b>SHAKE</b>	9.10	9.10	28.09					
		7.35							
	<b>TP#12</b>				8.59				
					7.37	7.37	20.72		
					6.15				
		5.46							
	<b>SHAKE</b>	4.62	4.62	25.34					
		3.78							
	<b>NGS BM</b>				9.55				<i>ERROR</i>
	<b>AJ5265</b>				8.65	8.65	16.69	16.68	<i>-0.01</i>
	<b>(GCY D23)</b>				7.75				
		5.62							
	<b>TBM#1</b>	5.41	5.41	27.88				22.48	
		5.19							
	<b>WELL</b>				1.83				<i>TOP OF PIPE</i>
	<b>M1043</b>				1.63	1.63	26.25		<i>WELL</i>
					1.43				<i>M1043</i>
		2.43							
	<b>SHAKE</b>	2.35	2.35	28.60					
		2.27							



LEVEL RUN

DATE	STA	BS	MEAN	HI	FS	MEAN	ELEV	BM ELEV. NAVD-88	NOTES
	<b>DISK</b>				6.49				<i>SET SFWMD</i>
	<b>M1043</b>				6.42	6.42	<b>22.18</b>		<i>DISK STAMPED</i>
					6.35				<i>M 1043 2006</i>
		9.14							
	<b>SHAKE</b>	8.95	8.95	31.13					
		8.75							
<b>01/18/06</b>					8.83				<i>ERROR</i>
<b>(FB 2564,</b>	<b>TBM#2</b>				8.58	8.58	<b>22.55</b>	<b>22.55</b>	<i>0.00</i>
<b>PG 53)</b>					8.33				