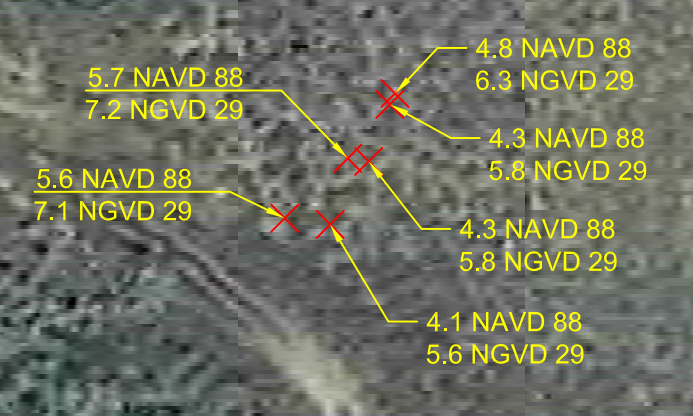
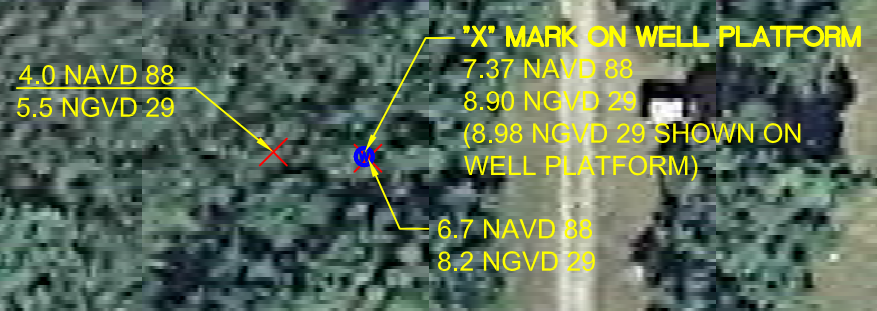


**Site 2**



**SECTION 25**  
**TOWNSHIP 55 SOUTH**  
**RANGE 37 EAST**  
**MIAMI-DADE COUNTY, FLORIDA**

**Site 1**  
**G-1502**



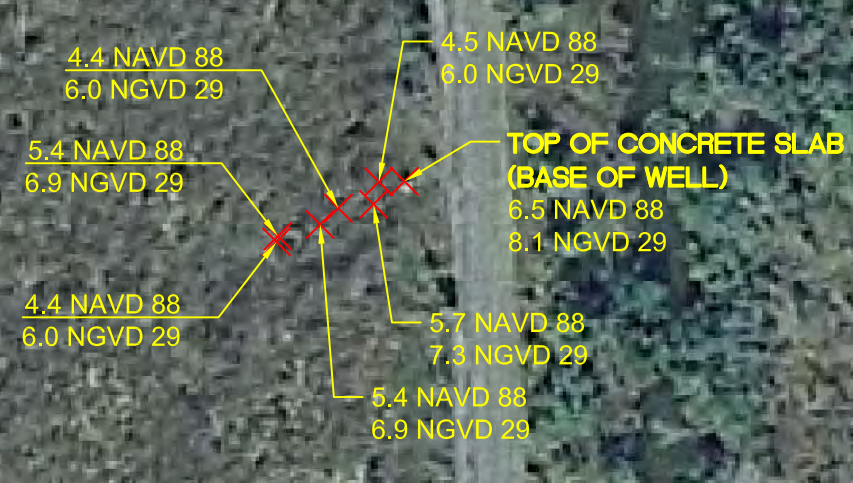
- NOTES:**
1. THIS IS NOT A SIGNED AND SEALED SURVEY. IT IS FOR SFWMD INFORMATIONAL PURPOSES ONLY.
  2. THE GROUND ELEVATIONS SHOWN HEREON ARE RELATIVE TO NAVD 88 AND NGVD 29 DATUMS AND WERE ESTABLISHED BY RTK GPS (REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM)
  3. ELEVATIONS SHOWN HEREON REFLECT THE CURRENT GROUND ELEVATIONS UNLESS OTHERWISE NOTED.

<p><b>G-1502 AND G-3273 WELL SITES</b>  <b>EXHIBIT</b>  <b>MIAMI-DADE COUNTY, FLORIDA.</b>  <b>SECTIONS 25 AND 19</b>  <b>TOWNSHIPS 55 SOUTH</b>  <b>RANGES 37 EAST, AND 38 EAST, RESPECTIVELY</b></p>	<p>DRAWN: CMH    CHECKED: REB    DWG. DATE: 4/5/11    SCALE: AS SHOWN</p> <p>FIELD PERSON(S): GIAMMARCO, HUDSON AND HOLLIN</p> <p>FIELD DATE(S): LAST DATE OF SURVEY 3/22/11</p> <p>FIELD BOOK(S): MISC. F.B. 6L</p> <p>PAGE(S): 9-12</p> <p>DATA COLLECTOR FILE(S): G1502.jbb</p>	<p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b>          REAL ESTATE DEPARTMENT – SURVEY SECTION</p> <p>P.O. BOX 24680          3301 GUN CLUB ROAD          WEST PALM BEACH, FLORIDA 33416-4680</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th style="width:10%;">DRAWN</th> <th style="width:10%;">CHECKED</th> <th style="width:10%;">DATE</th> <th style="width:10%;">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	DRAWN	CHECKED	DATE	REVISIONS																				
DRAWN	CHECKED	DATE	REVISIONS																								



**Site 3  
G-3273**

1X MARK ON 9" x 9" ALUMINUM PLATE AT WELL  
OPENING = 8.36 NAVD 88 and 9.89 NGVD 29  
(9.89 NGVD 29 SHOWN ON PLATFORM)



Approximate East Line of Section 24  
Approximate West Line of Section 19  
RANGE 37 EAST  
RANGE 38 EAST

S.W. 237th AVENUE

SECTION 24  
TOWNSHIP 55 SOUTH  
RANGE 37 EAST  
MIAMI-DADE COUNTY, FLORIDA

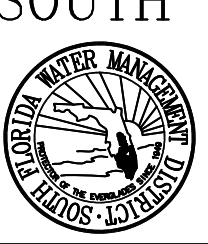
SECTION 19  
TOWNSHIP 55 SOUTH  
RANGE 38 EAST  
MIAMI-DADE COUNTY, FLORIDA

- NOTES:**
1. THIS IS NOT A SIGNED AND SEALED SURVEY. IT IS FOR SFWMD INFORMATIONAL PURPOSES ONLY.
  2. THE GROUND ELEVATIONS SHOWN HEREON ARE RELATIVE TO NAVD 88 AND NGVD 29 DATUMS AND WERE ESTABLISHED BY RTK GPS (REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM)
  3. ELEVATIONS SHOWN HEREON REFLECT THE CURRENT GROUND ELEVATIONS UNLESS OTHERWISE NOTED.

G-1502 AND G-3273 WELL SITES  
EXHIBIT  
MIAMI-DADE COUNTY, FLORIDA.  
SECTIONS 25 AND 19  
TOWNSHIPS 55 SOUTH  
RANGES 37 EAST, AND 38 EAST, RESPECTIVELY

DRAWN: CMH	CHECKED: REB	DWG. DATE: 4/5/11	SCALE: AS SHOWN
FIELD PERSON(S): GAMMARCO, HUDSON AND HOLLIN			
FIELD DATE(S): LAST DATE OF SURVEY 3/22/11			
FIELD BOOK(S): MISC. F.B. 6L			
PAGE(S): 9-12			
DATA COLLECTOR FILE(S): G1502.job			

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**  
REAL ESTATE DEPARTMENT- SURVEY SECTION



P.O. BOX 24680  
3301 GUN CLUB ROAD  
WEST PALM BEACH, FLORIDA 33416-4680

DRAWN	CHECKED	DATE	REVISIONS

9 MISC FBWL 3/21/2011

Section 24  
SEC 25  
G 1502, G 3273 WELL SITES IN  
EVERGLADES NATL. PARK CHECK  
GROUND ELEV. PER JASON GODIN

Township 55 South  
TWP 55

Range 37 East  
RNG 37

NAVD88 DATA

Misc F.B.W.L 3/21/2011

9

A. GIMMARCO  
A. HOLLIN  
P. HUDSON

FILE: G1502

converting NGVD29 to NAVD88  
is "NOT RECOMMENDED"

RTK LOCALIZATION

NOTE: ELEVATIONS CONVERTED FROM NGVD 29  
TO NAVD88 USING CORPSCON6

BASE PT 99

ROVER @	PT #	NAME	NAVD88 ELEV.	HOR/VER	W. 80
	1	GOFFMAN	6.144 ✓	H/V	7.67
	2	JOE II	7.574 ✓	H/V	9.10
	3	H078	7.881 ✓	H/V	9.41
	4	GROSSMAN	5.58	H/V	

Conversion

-1.526

-1.526

-1.529

CK PTS 13, 19 DATA COLLECTOR PTS AS  
CHECK ON POINT # 4

RTK SOLUTION

V = 0.059

N = 0.033

E = 0.044

\* POINTS 15-30 ARE GROUND SHOTS  
UNLESS NOTED OTHERWISE

DadeCoStruct1 p64  
Level Run

PT#3 H078

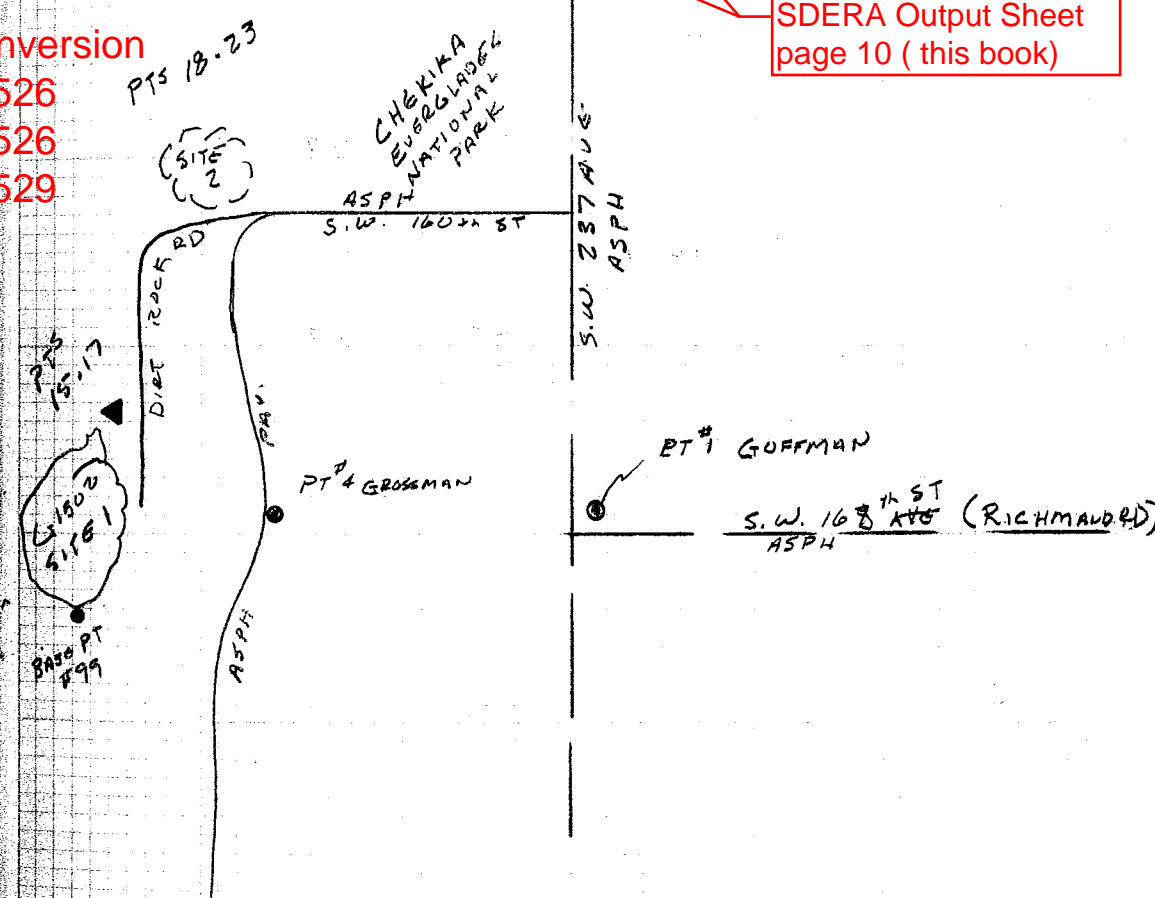
NOTE: FOR DESCRIPTION OF  
CONTROL POINTS SEE  
SDERA PRINT OUTPUT  
SHEETS

G 3273  
SITE #3  
FD I RECAP  
BM. G32731  
SEP 24 64  
DADE CO STRUCTURES  
F.B.W.I.

PTS 24-29

PT#2  
JOE II

Level Run this book  
SDERA Output Sheet  
page 10 (this book)



G1502, G3273 WELL SITES RUN  
 BENCH TO VERIFY WELL SITE  
 ELEVATIONS MARKED ON STRUCTURES

NAVD88  
 ZEISS Ni2

STA	+	HI	-	ELEV	
JOE 11				7.57	7.574
	5.38 1.89	12.95			
			5.11 2.16	7.87	
	5.14 2.13	12.97			
			L 5.18 2.09	7.79	
	5.20 2.07	12.99			
			H 5.28 1.99	7.71	
	5.15 2.12	12.86			
			5.01 2.26	7.85	
	4.95 2.32	12.80			
<b>Bm</b> G32731			5.77 1.50	7.03	7.02
	5.61 1.66	12.64			
Well G3273			4.28 2.99	8.36	

A GIAMMARCO  
 A HOLLIN  
 R HUDSON

PSM review  
 Rick Barnes

SEE SDEBA PRINT OUTPUT SHEET 9.10 NAVD 29

Single Run only

(8.55)  
 SEE PAGE 64 DADE 6 STRUCTURES FBPI 8.57 NAVD 29

9.89 ✓ MARKED FOR NAVD 29 9.90 NAVD 29

11 Misc FB6L 3/22/2011

G1502, G3273 WELL SITES, RUN  
BENCH TO VERIFY WELL SITE  
ELEVATIONS MARKED ON STRUCTURE

STA	+	HI	-	ELEV
GROSSMAN	5.17 2.10	10.75 ✓		5.58
	6.06 <del>4.89</del> 1.21	11.78 ✓	5.03 2.24	5.72 ✓
	5.18 2.09	11.76 ✓	5.20 2.07	6.58 ✓
	5.85 1.42	13.23 ✓	4.38 2.89	7.38 ✓
	4.58 2.69	13.12 ✓	4.69 <del>4.68</del> 2.58	8.54 ✓
	4.21 <del>4.22</del> 3.06	12.54 ✓	4.79 2.48	8.33 ✓
G1502			5.17 2.20	7.37 ✓

RETURN RUN CONTINUED  
ON PAGE 12

Misc FB6L 3/22/2011

11

A GIAMMARCO  
A HOLLIN  
R HUDSON

7.11 NGVD 29

8.90 NGVD 29 8.98 MARKED ON WELL PLATFORM

8.90  
NGVD 29

A GIAMMARCO  
A HOLLIN  
R HUDSON

STA	+	RETURN HI	-	ELEV
	5.01 2.26	12.38 /		7.37
			4.05 3.22	8.33 /
	4.94 2.33	<del>13.31</del> 13.27		
			4.72 2.55	<del>8.59</del> 8.55
	4.72 2.55	<del>13.31</del> 13.27		
			5.81 <del>1.45</del> 1.46	7.50 7.46
	4.41 2.86	<del>11.91</del> 11.91 11.87		
			5.49 1.78	<del>6.42</del> 6.38
	<del>5.34</del> 1.92	11.76 72		
			6.02 1.25	5.74 5.70
	5.20 2.07	<del>10.94</del> 10.90		
GROSSMAN			5.31 <del>3.01</del> 1.96	<del>5.65</del> 5.59 (5.58) CAL

(7.12)  
0.01 DIFF. 7.12 HOLLIN

LEVELS FOR ELEV AT MONITORING GAGES G-3273 AND ANGL FOR NANCY LITTLE IN DATA MGMT

BENCH MARK ELEVATIONS FROM DADE Co. PUBLIC WORKS CONTACT PACIFICO REYES 305-375-2655

STA	+	H.I.	-	ELEV.	BY ELEV.
BM				9.41	
	5.16 2.11	14.57			
T.P.			5.18 2.08	9.39	
	5.12 2.14	14.51			
T.P.			5.67 1.60	8.84	
	5.50 1.77	14.34			
T.P.			5.30 1.96	9.04	
	5.59 1.68	14.63			
T.P.			5.46 1.81	9.17	
	5.12 2.15	14.29			
T.P.			5.52 1.74	8.77	
	5.51 1.75	14.28			

CONT'D. ON PG-62

NOTE I HAVE NO MAPS TO LOCATE SECTION, TOWNSHIP AND RANGE

COMMENTS

BM D.C.B.M H-078 1972 Fd DADE Co BRASS DISK IN C/O F S.W. 237 AVE MI. N. OF C/O F S.W. 163 ST

H 078 (AC4425) NGS DATASHEET  
10.531475 (3.21m) NGVD29 3rd Order  
8.9894833 (2.74m) NAVD88 (Vertcon +/- 2cm)

MIAMI-DADE COUNTY BENCHMARK DATASHEET

H-078

LOCATOR: 5703

ELEVATION = 9.41

STATUS: (D=Destroyed, P=Pending)

SW 136 ST (APPROX) —

SW 237 AVE -- AT C/L

11.5' SOUTH OF A CULVERT WHICH PASSES UNDER ROAD

18.00' EAST OF MON FOR NW COR 19-55-38, 2.5' SW OF SURVEY MARKER "AMM-1"

BRASS DISC IN ASPHALT OF SW 237 AVE. (TRIANGULATION STA.)

Directions: [To here](#) - [From here](#)

CONT'D. FROM PG-61

STA	T	H.I.	—	ELEV.	BM. ELEV.
		14.28	5.33	8.95	
			1.94		
	5.48	14.43			
	1.79				
T.P.			5.30	9.13	
			1.97		
	5.38	14.51			
	1.89				
BM			5.96	8.55	8.55
			1.31		

RETURN LEVELS

BM				8.55	8.55
	5.84	14.39			
	1.43				
T.P.			5.26	9.13	
			2.00		
	5.12	14.25			
	2.15				
T.P.			5.30	8.95	
			1.97		
	5.51	14.46			
	1.76				
T.P.			5.68	8.78	
			1.58		
	5.75	14.53			
	1.51				

CONT'D. ON PG-63

COMMENTS

FD DADE Co.  
BRASS DISK  
STAMPED  
H-078  
1972

DIRT RD

0.625 MILES

BM G-3273-1 IS A 5/8" X 18" REBAR W/ S.F.W.M.D. PLASTIC CAP SET 1.2' WEST OF WEST EDGE OF PAVEMENT OF S.W. 23<sup>RD</sup> AVE AND 1.375 MILES N. OF S.W. 168<sup>TH</sup> ST.

BM G-3273-1  
SET 5/8" X 18" REBAR  
W/ S.F.W.M.D.  
PLASTIC CAP 1.2'  
WEST OF WEST EDGE  
OF PAVEMENT

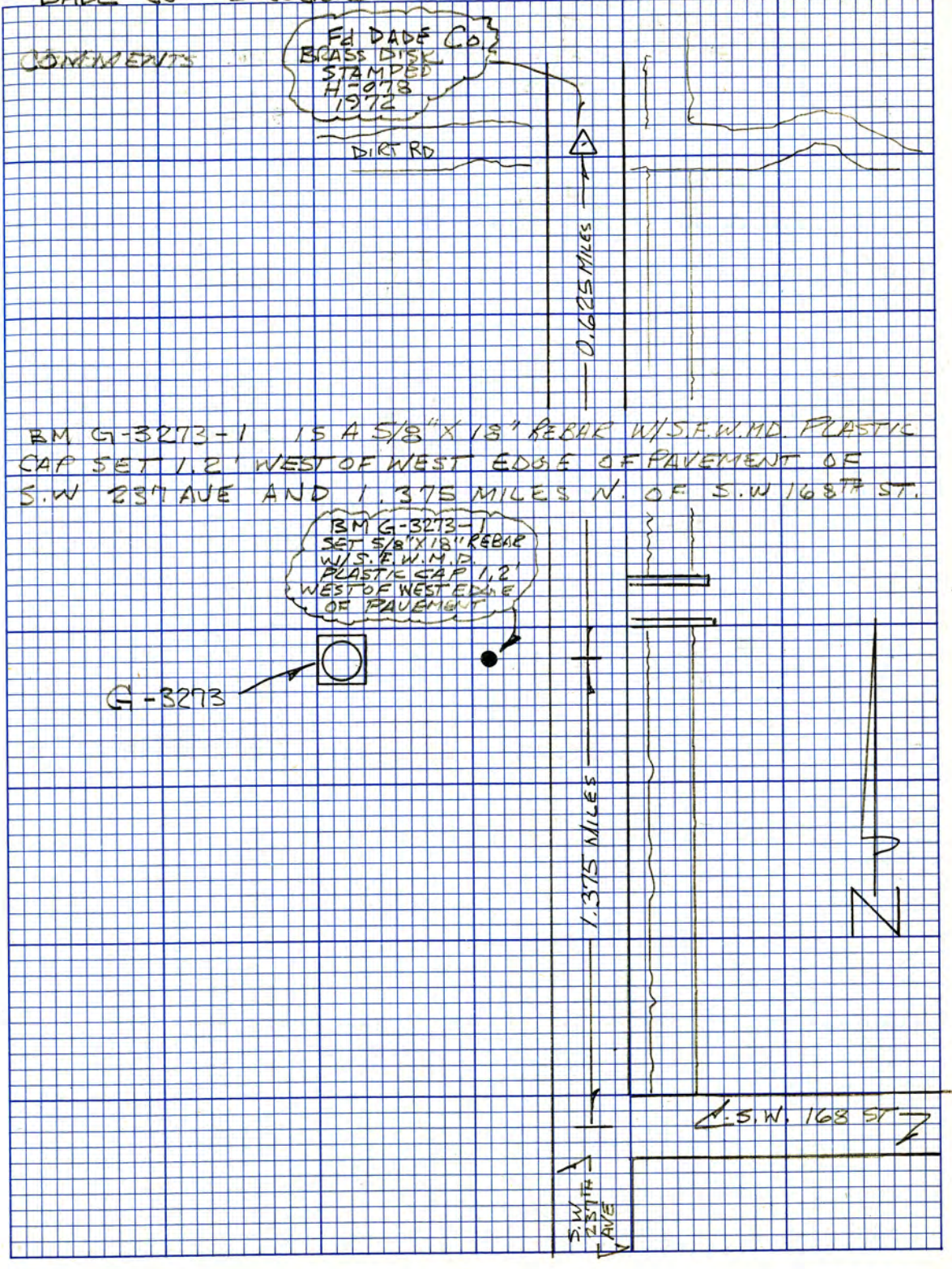
G-3273

1.375 MILES

N

S.W. 168<sup>TH</sup> ST

S.W. 23<sup>RD</sup> AVE





CONT'D. FROM PG-62

STA	+	H.I.	—	ELEV	BMELEV.
TP		14.53	5.35 1.92	9.18	
	5.69 1.58	14.87			
T.P			5.82 1.45	9.05	
	5.61 1.65	14.66			
T.P			5.82 1.45	8.84	
	5.94 1.33	14.78			
T.P.			5.39 1.87	9.39	
	5.31 1.96	14.70			
B.M			5.29 7.98	9.41	9.41

LEVELS TO GAGE G-3273 ON PG-64

COMMENTS

B.M. DADE CO. H.-078 1972 SEE PG-61

LEVELS TO GAGE G-3273

STA	+	HI	-	ELEV	BMELEV
BM	5.65 1.62	14.20			8.55
G-3273			4.31 2.96	9.89	9.89
RETURN LEVELS					
G-3273				9.89	9.89
	4.43 2.84	14.32			
BM			5.77 1.50	8.55	8.55

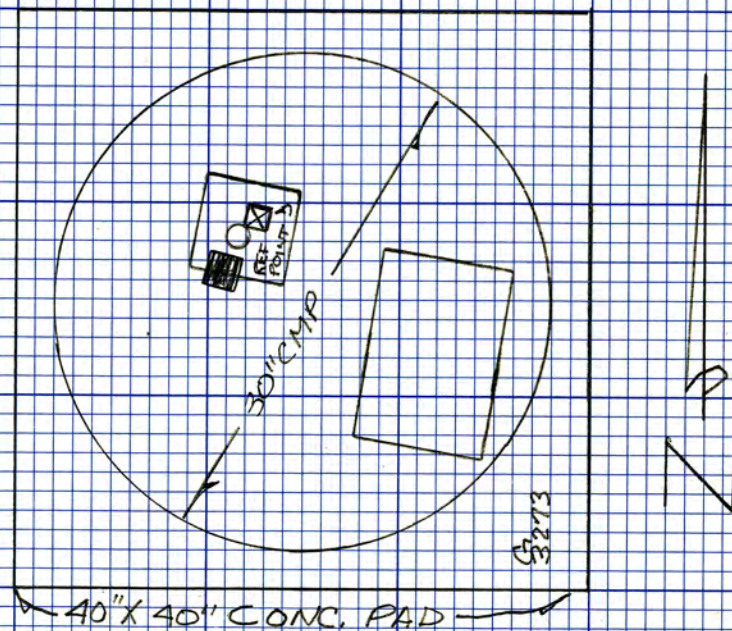
COMMENTS

BM. G-3273-1 PG-62

ELEV. SET ON 9x9" ALUM PLATE OVER WELL OPENING  
 SET @ MAGIC MARKER SQ W/X (☒) MARKED REF. POINT  
 G-3273 IS SET IN A 30" C.M.P. W/A 40"X40" CONC.  
 PAD.

AS ABOVE

BM G-3273-1 AS ABOVE



7

L-31

F.B. # 31 X

SEC. 30, 31

Twp. 55 S

RGE. 38 E

LEVELS TO ESTABLISH ELEVATION @  
WELL (#2) IN MITCHELL'S MANGO GROVE  
SOUTH OF AIRPORT AS PER KEY SHEET  
FROM OFFICE

STA.	+	H.I.	-	ELEV.
B.M.				7.67 ✓
	5.36 ✓	13.03 ✓		
	1.91			
TP			4.20 ✓	8.83 ✓
			3.07	
	4.72 ✓	13.55 ✓		
	2.55			
TP			4.46 ✓	9.09 ✓
			2.81	
	4.26 ✓	13.35 ✓		
	3.01			
TP			4.02 ✓	9.33 ✓
			3.25	
	4.00 ✓	13.33 ✓		
	3.27			

L-31

F.B. # 31 X

4-26-84  
M CHARLTON  
T GRAHAM  
S PICKROW  
S GUSTAFSON

U.S.G.S. BENCH MARK GOFFMAN (1934)

## MIAMI-DADE COUNTY BENCHMARK DATASHEET

GOFFMAN

LOCATOR: 5705

ELEVATION = 7.67

STATUS: (D=Destroyed, P=Pending)

SW 168 ST — 46' NORTH OF C/L

SW 237 AVE — 276.4' EAST OF C/L

74.11' SOUTH OF GOFFMAN RM#4

79.8' WEST OF GOFFMAN RM#5

US C & G BRASS DISC IN CONC MON. (TRIANGULATION STA.) \*\* SEE  
BM GOFFMAN RM#5, 35' NORTH OF C/L (EL. 7.82)Directions: [To here](#) - [From here](#)

L-31

F.B. # 31 X

SEC. 36

Twp. 56S

R6E. 37E

STA. + H.I. - ELEV.

13.33

TP

4.10 ✓ 9.23 ✓

3.17

2.83 ✓ 12.<sup>06</sup>~~03~~ ✓

4.44

T.B.M. "A"

3.04 ✓ ~~8.99~~ <sup>9.02</sup> ✓

4.23

2.28 ✓ 11.<sup>30</sup>~~27~~ ✓

4.99

T.B.M. "B"

4.11 ✓ 7.~~16~~ <sup>19</sup> ✓

3.16

4.51 ✓ 11.<sup>70</sup>~~67~~ ✓

2.76

TBM "C"

4.51 ✓ 7.~~16~~ <sup>19</sup> ✓

2.76

4.43 ✓ 11.<sup>02</sup>~~59~~ ✓

2.84

TBM "D"

4.35 ✓ 7.~~24~~ <sup>27</sup> ✓

2.92

4.70 ✓ 11.<sup>97</sup>~~94~~ ✓

2.57

L-31

F.B. # 31 X

4-26-84

M CHARLTON  
 T GRANT  
 P PICKERD  
 P GUSTAFSON

T.B.M. "A" IS SPIKE SET IN E. EDGE OF PAV'T. 75'  
 NORTH OF ENTRANCE RD. TO GLIDER PORT AIRSTRIP  
 ON S.W. 237 AVE

TBM "B" IS SPIKE SET IN N. W. EDGE OF DIRT LOCK  
 ROAD LEADING TO AIRSTRIP 400' W. OF 237<sup>TH</sup> AVE.

TBM "C" IS SPIKE SET IN N. EDGE OF ROCK ROAD  
 LEADING TO AIRSTRIP 800' W. OF 237<sup>TH</sup> AVE.

TBM "D" IS SPIKE SET IN N. EDGE OF ROCK RD.  
 LEADING TO AIRSTRIP 1200' W. OF 237<sup>TH</sup> AVE.

9

L-31

F.B. # 31X

SEC. 36

Twp. 56S

RGE. 37E

STA. + H.I. - ELEV.

11.94<sup>97</sup> ✓

T.B.M. "E"

4.62 ✓ 7.32<sup>35</sup> ✓

2.65

4.84 ✓ 12.16<sup>19</sup> ✓

2.43

T.B.M. "F"

4.60 ✓ 7.50<sup>59</sup> ✓

2.67

4.03 ✓ 11.64<sup>67</sup> ✓

3.19

T.B.M. "G"

5.10 ✓ 6.54<sup>57</sup> ✓

2.17

4.66 ✓ 11.23<sup>23</sup> ✓

2.61

TP

4.60 ✓ 6.63<sup>63</sup> ✓

2.67

5.00 ✓ 11.63<sup>63</sup> ✓

2.27

TP

4.55 ✓ 7.08<sup>08</sup> ✓

2.72

4.19 ✓ 11.27<sup>27</sup> ✓

3.08

L-31

F.B. # 31X

9

4-26-84

M CHARLTON  
 T GRAHAM  
 P PICKERON  
 G GUSTAFSON

TBM "E" IS SPIKE SET IN N. EDGE OF ROCK Rd.  
 LEADING TO AIRSTRIP 1600' W. OF 237<sup>TH</sup> AVE.

TBM "F" IS SPIKE SET IN N. EDGE OF ROCK Rd.  
 LEADING TO AIRSTRIP 2000' ± W. OF 237<sup>TH</sup> AVE.

TBM "G" IS SPIKE SET IN N. EDGE OF ROCK Rd.  
 LEADING TO AIRSTRIP 2400' ± W. OF 237<sup>TH</sup> AVE.

L-31

F.B. # 31 X

SEC. 36

Twp. 56 S

RGE. 37 E

STA. + H.I. - ELEV.

11.24<sup>27</sup> ✓

TBM "H"

48.93<sup>34</sup> ✓  
6.34<sup>34</sup> ✓  
~~2.34~~4.55 ✓ 10.86<sup>89</sup> ✓

2.72

TBM "I"

4.82 ✓ 6.84<sup>07</sup> ✓

2.45

5.08 ✓ 11.12<sup>15</sup> ✓

2.19

TBM "J"

5.03 ✓ 6.89<sup>12</sup> ✓

2.24

5.46 ✓ 11.55<sup>58</sup> ✓

1.81

T.B.M.

3.24 ✓ 8.34 ✓

4.03

RETURN LEVELS TO U.S.G.S. B.M. GOFFMAN (87)

3.17 ✓ 11.51 ✓

4.10

TP

5.39 ✓ 6.12 ✓

1.88

4.98 ✓ 11.10 ✓

2.99<sup>29</sup>

L-31

F.B. # 31 X

4-26-84

CHARLTON  
 GRAHAM  
 PICKERON  
 GUSTAFSON

TBM "H" IS SPIKE IN ROCK ROAD ON NORTH SIDE OF MANGO GROVE 400' W. OF AIRPORT BUILDING

TBM "I" IS SPIKE IN N. EDGE OF ROCK RD. ON N. SIDE OF MANGO GROVE 800' W. OF AIRPORT BUILDING

TBM "J" IS SPIKE IN N. EDGE OF ROCK RD. ON N. SIDE OF MANGO GROVE 1200' W. OF AIRPORT BUILDING

SQUARE BOX WITH "X" MARK SCRIBED ON TOP OF THE S.E. COR. OF CONC. BLOCK WALL SURROUNDING WELL #2 IN MITCHELL'S MANGO GROVE AS PER KEY MAP FROM OFFICE  
 NOTE: TBM IS LOCATED @ THE MOST NORTHERLY OF TWO DIESEL ENGINE PUMPS WHERE THE PROP PIPE GOES INTO WELL #2

11

L-31

F.B. # 31 X

SEC. 36

Twp. 56S

RGE. 37E

STA. + H. I. - ELEV.

11.10 ✓

TP 5.03 ✓ 6.07 ✓

2.24

4.92 ✓ 10.99 ✓

2.35

TP 4.66 ✓ 6.33 ✓

2.61

5.09 ✓ 11.42 ✓

2.18

TP 4.42 ✓ 7.00 ✓

2.85

4.77 ✓ 11.77 ✓

2.50

TP 5.15 ✓ 6.62 ✓

2.12

4.62 ✓ 11.24 ✓

2.65

TP 4.68 ✓ 6.56 ✓

2.59

5.01 ✓ 11.57 ✓

2.26

L-31

F.B. # 31 X

11

4-26-84  
 ✓ CHARLTON  
 ✓ GRAHAM  
 ✓ PICKROD  
 ✓ GUSTAFSON

12

L-31

F.B. # 31 X

SEC. 36

Twp. 56 S

RGE. 37 E

STA. + H.I. - ELEV.

11.57 ✓

3.99 ✓ 7.58 ✓

3.28

4.66 ✓ 12.24 ✓

2.61

4.90 ✓ 7.34 ✓

2.37

4.58 ✓ 11.92 ✓

2.69

4.66 ✓ 7.26 ✓

2.61

4.52 ✓ 11.78 ✓

2.75

4.60 ✓ 7.18 ✓

2.67

4.59 ✓ 11.77 ✓

2.68

4.60 ✓ 7.17 ✓

2.67

4.10 ✓ 11.27 ✓

3.17

L-31

F.B. # 31 X

12

4-26-84

M CHARLTON

K GRAHAM

P PICKROD

G GUSTAFSON



13

L-31

F.B.# 31 X

SEC. 36

Twp. 56S

Rgt. 37E

STA. + H.I. - ELEV.

11.27 ✓

TP

2.26 ✓ 9.01 ✓

5.01

4.15 ✓ 13.16 ✓

3.12

TP

3.84 ✓ 9.32 ✓

3.43

4.02 ✓ 13.34 ✓

3.25

TP

4.24 ✓ 9.10 ✓

3.03

4.49 ✓ 13.59 ✓

2.78

TP

4.81 ✓ 8.78 ✓

2.46

4.22 ✓ 13.00 ✓

3.05

B.M.

5.34 ✓ 7.66 ✓ (7.67)

1.93

L-31

F.B.# 31 X

13

4-26-84

M CHARLTON  
A GRAHAM  
G PICKERON  
G GUSTAFSON

U.S.G.S. BENCH MARK GOFFMAN (1934) Pg. 7

1, 463630. 900000, 796466. 737000, 6. 144000, GOFFMAN  
2, 468855. 116000, 795993. 029000, 7. 570000, JOE11  
3, 474133. 415000, 795810. 813000, 7. 880000, HO78  
4, 466271. 120000, 794142. 006000, 5. 580000, GROSSMAN  
13, 466271. 173790, 794142. 055177, 5. 591070, GROSSCK  
14, 466271. 168751, 794142. 069051, 5. 586406, GROSCK  
15, 466238. 386896, 793571. 734420, 6. 709241, SPOT  
16, 466238. 802746, 793570. 775472, 7. 368315, WELL  
17, 466239. 979996, 793547. 093973, 4. 008730, SPOT  
18, 466951. 899026, 794047. 695881, 5. 593748, SPOT/HP  
19, 466967. 490492, 794064. 135875, 5. 683908, SPOT/HP  
20, 466984. 385811, 794076. 420324, 4. 800094, SPOT/HP  
21, 466981. 546094, 794075. 087846, 4. 319865, SPOT/LP  
22, 466966. 695533, 794069. 578862, 4. 307257, SPOT/LP  
23, 466950. 288246, 794059. 530945, 4. 066180, SPOT/LP  
24, 470822. 059729, 795904. 534851, 4. 471465, SPOT/LP  
25, 470815. 178926, 795893. 989214, 4. 444393, SPOT/LP  
26, 470806. 401315, 795877. 895241, 4. 447372, SPOT/LP  
27, 470807. 901234, 795878. 239595, 5. 379083, SPOT/LP  
28, 470810. 931797, 795889. 236704, 5. 389028, SPOT/LP  
29, 470816. 186876, 795903. 159907, 5. 724538, SPOT/HP  
30, 470822. 180988, 795911. 193706, 6. 541280, CONC/SLAB  
31, 470823. 403152, 795932. 906523, 7. 577259, PK&DI SCLB4603  
99, 465801. 333523, 793201. 677925, 7. 367758,

1001, 463630. 9000, 796466. 7370, 6. 1440, GOFFMAN  
 1002, 468855. 1160, 795993. 0290, 7. 5700, JOE11  
 1003, 474133. 4150, 795810. 8130, 7. 8800, HO78  
 1004, 466271. 1200, 794142. 0060, 5. 5800, GROSSMAN  
 1013, 466271. 1738, 794142. 0552, 5. 5911, GROSSCK  
 1014, 466271. 1688, 794142. 0691, 5. 5864, GROSCK  
 1015, 466238. 3869, 793571. 7344, 6. 7092, SPOT  
 1016, 466238. 8027, 793570. 7755, 7. 3683, WELL G-1502  
 1017, 466239. 9800, 793547. 0940, 4. 0087, SPOT  
 1018, 466951. 8990, 794047. 6959, 5. 5937, SPOT/HP  
 1019, 466967. 4905, 794064. 1359, 5. 6839, SPOT/HP  
 1020, 466984. 3858, 794076. 4203, 4. 8001, SPOT/HP  
 1021, 466981. 5461, 794075. 0878, 4. 3199, SPOT/LP  
 1022, 466966. 6955, 794069. 5789, 4. 3073, SPOT/LP  
 1023, 466950. 2882, 794059. 5309, 4. 0662, SPOT/LP  
 1024, 470822. 0597, 795904. 5349, 4. 4715, SPOT/LP  
 1025, 470815. 1789, 795893. 9892, 4. 4444, SPOT/LP  
 1026, 470806. 4013, 795877. 8952, 4. 4474, SPOT/LP  
 1027, 470807. 9012, 795878. 2396, 5. 3791, SPOT/LP  
 1028, 470810. 9318, 795889. 2367, 5. 3890, SPOT/LP  
 1029, 470816. 1869, 795903. 1599, 5. 7245, SPOT/HP  
 1030, 470822. 1810, 795911. 1937, 6. 5413, CONC/SLAB G-3273  
 1031, 470823. 4032, 795932. 9065, 7. 5773, PK&DI SCLB4603  
 1099, 465801. 3335, 793201. 6779, 7. 3678,

6.386 (+/- 0.121) Corps of Engineers

1, 463630. 9000, 796466. 7370, 7. 6740, GOFFMAN  
2, 468855. 1160, 795993. 0290, 9. 1000, JOE11  
3, 474133. 4150, 795810. 8130, 9. 4100, HO78  
4, 466271. 1200, 794142. 0060, 7. 1100, GROSSMAN  
13, 466271. 1738, 794142. 0552, 7. 1211, GROSSCK  
14, 466271. 1688, 794142. 0691, 7. 1164, GROSCK  
15, 466238. 3869, 793571. 7344, 8. 2392, SPOT  
16, 466238. 8027, 793570. 7755, 8. 8983, WELL G-1502  
17, 466239. 9800, 793547. 0940, 5. 5387, SPOT  
18, 466951. 8990, 794047. 6959, 7. 1237, SPOT/HP  
19, 466967. 4905, 794064. 1359, 7. 2139, SPOT/HP  
20, 466984. 3858, 794076. 4203, 6. 3301, SPOT/HP  
21, 466981. 5461, 794075. 0878, 5. 8499, SPOT/LP  
22, 466966. 6955, 794069. 5789, 5. 8373, SPOT/LP  
23, 466950. 2882, 794059. 5309, 5. 5962, SPOT/LP  
24, 470822. 0597, 795904. 5349, 6. 0015, SPOT/LP  
25, 470815. 1789, 795893. 9892, 5. 9744, SPOT/LP  
26, 470806. 4013, 795877. 8952, 5. 9774, SPOT/LP  
27, 470807. 9012, 795878. 2396, 6. 9091, SPOT/LP  
28, 470810. 9318, 795889. 2367, 6. 9190, SPOT/LP  
29, 470816. 1869, 795903. 1599, 7. 2545, SPOT/HP  
30, 470822. 1810, 795911. 1937, 8. 0713, CONC/SLAB G-3273  
31, 470823. 4032, 795932. 9065, 9. 1073, PK&DI SCLB4603  
99, 465801. 3335, 793201. 6779, 8. 8978,

# Office

## Project

18 July 2016

### INPUT

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

### OUTPUT

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

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#### G1502 Well

1/2

**Northing/Y:** 466238.8027  
**Easting/X:** 795911.1937  
**Elevation/Z:** 0  
**Convergence:** 0 11 00.06829  
**Scale Factor:** 0.999963571  
**Combined Factor:** 0.999967409

**Latitude:** 25 36 56.48963  
**Longitude:** 80 34 33.26307  
**Elevation/Z:** 1.558

---

#### G3273 Well

2/2

**Northing/Y:** 470822.1810  
**Easting/X:** 795911.1937  
**Elevation/Z:** 0  
**Convergence:** 0 11 00.44062  
**Scale Factor:** 0.999963571  
**Combined Factor:** 0.999967408

**Latitude:** 25 37 41.88876  
**Longitude:** 80 34 33.10278  
**Elevation/Z:** 1.555

---

Remark:

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

# The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.9
1      National Geodetic Survey,  Retrieval Date = JULY 15, 2016
AC4443 *****
AC4443 DESIGNATION - GOFFMAN
AC4443 PID - AC4443
AC4443 STATE/COUNTY- FL/MIAMI-DADE
AC4443 COUNTRY - US
AC4443 USGS QUAD - GROSSMAN HAMMOCK (1973)
AC4443
AC4443 *CURRENT SURVEY CONTROL
AC4443
AC4443* NAD 83(1990) POSITION- 25 36 30.64024(N) 080 34 27.28532(W) ADJUSTED
AC4443* NAVD 88 ORTHO HEIGHT - 2.0 (meters) 7. (feet) VERTCON
AC4443
AC4443 GEOID HEIGHT - -24.519 (meters) GEOID12B
AC4443 LAPLACE CORR - -2.97 (seconds) DEFLEC12B
AC4443 HORZ ORDER - FIRST
AC4443
AC4443.The horizontal coordinates were established by classical geodetic methods
AC4443.and adjusted by the National Geodetic Survey in May 1991.
AC4443.
AC4443.The NAVD 88 height was computed by applying the VERTCON shift value to
AC4443.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
AC4443
AC4443.Significant digits in the geoid height do not necessarily reflect accuracy.
AC4443.GEOID12B height accuracy estimate available here.
AC4443
AC4443.The Laplace correction was computed from DEFLEC12B derived deflections.
AC4443
AC4443. The following values were computed from the NAD 83(1990) position.
AC4443
AC4443;
AC4443;          North          East          Units Scale Factor Converg.
AC4443;SPC FL E - 141,314.981 242,763.547 MT 0.99996375 +0 11 02.5
AC4443;SPC FL E - 463,630.90 796,466.74 sFT 0.99996375 +0 11 02.5
AC4443;UTM 17 - 2,832,398.746 542,748.956 MT 0.99962257 +0 11 02.5
AC4443
AC4443!          - Elev Factor x Scale Factor = Combined Factor
AC4443!SPC FL E - 1.00000353 x 0.99996375 = 0.99996728
AC4443!UTM 17 - 1.00000353 x 0.99962257 = 0.99962610
AC4443
AC4443:          Primary Azimuth Mark          Grid Az
AC4443:SPC FL E - GOFFMAN AZ MK          344 22 03.2
AC4443:UTM 17 - GOFFMAN AZ MK          344 22 03.2
AC4443
AC4443|-----|
AC4443| PID Reference Object          Distance          Geod. Az |
AC4443|          dddmmss.s |
AC4443| CW7487 GOFFMAN RM 4          22.589 METERS 00549 |
AC4443| AC4043 COMM CARRIER CORP RADIO MAST APPROX.19.1 KM 0285917.2 |
AC4443| AC3952 FLORIDA PORTLAND CEMENT STACK APPROX.14.4 KM 0384203.0 |
AC4443| AC4426 MIAMI FAA INTL COMM TOWER APPROX. 8.2 KM 0581610.1 |

```

AC4443	AC4445 RBN PERRINE PRR CEN TOWER	APPROX. 4.6 KM	0881150.2	
AC4443	CW7485 GOFFMAN RM 2 AZIMUTH		0904709.7	
AC4443	CW7488 GOFFMAN RM 5	24.335 METERS	09144	
AC4443	CW7484 GOFFMAN RM 1	25.950 METERS	13147	
AC4443	AC4446 ARVIDA CORP MAST	APPROX. 0.6 KM	1391253.3	
AC4443	AC4447 MIAMI FAA CEN CONSOL TOWER	APPROX. 0.6 KM	1391419.7	
AC4443	AC4442 MIAMI FAA C CON TWR A PT	APPROX. 0.6 KM	1394945.5	
AC4443	CW7486 GOFFMAN RM 3	19.430 METERS	21924	
AC4443	CW7483 GOFFMAN AZ MK		3443305.7	
AC4443	-----			

AC4443

AC4443 SUPERSEDED SURVEY CONTROL

AC4443

AC4443	NAD 83 (1986)-	25	36	30.63889(N)	080	34	27.28681(W)	AD( )	1	
AC4443	NAD 27	-	25	36	29.25663(N)	080	34	28.07468(W)	AD( )	1
AC4443	NGVD 29 (07/19/86)			2.5 (m)			8. (f)	VERT	ANG	

AC4443

AC4443.Superseded values are not recommended for survey control.

AC4443

AC4443.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC4443.[See file dsdata.txt](#) to determine how the superseded data were derived.

AC4443

AC4443\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ4274832398 (NAD 83)

AC4443

AC4443\_MARKER: DS = TRIANGULATION STATION DISK

AC4443\_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AC4443\_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AC4443+SATELLITE: SATELLITE OBSERVATIONS - February 06, 2013

AC4443

AC4443	HISTORY	-	Date	Condition	Report By
AC4443	HISTORY	-	1934	MONUMENTED	CGS
AC4443	HISTORY	-	1960	GOOD	CGS
AC4443	HISTORY	-	1961	GOOD	CGS
AC4443	HISTORY	-	1971	GOOD	NGS
AC4443	HISTORY	-	20010524	GOOD	USACE
AC4443	HISTORY	-	20130206	GOOD	ATKNA

AC4443

AC4443 STATION DESCRIPTION

AC4443

AC4443'DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (JB)

AC4443'THIS FIRST-ORDER STATION IS LOCATED 8 MILES SW OF HOMESTEAD  
AC4443'AND 35 MILES SW OF MIAMI, FLORIDA, 7.50 METERS N OF THE CENTER  
AC4443'LINE OF A ROCK ROAD, 125 PACES E OF THE RIGHT-ANGLE TURN IN THE  
AC4443'ROAD WHERE THE ROAD TURNS N. MARK PROJECTS 12 INCHES.

AC4443'

AC4443'SURFACE, UNDERGROUND AND REFERENCE MARKS ARE STANDARD BRONZE  
AC4443'DISKS SET IN CONCRETE.

AC4443'

AC4443'REFERENCE MARK NO. 1 IS LOCATED SE OF THE STATION, 5 METERS  
AC4443'S OF THE CENTER LINE OF ROAD, AND PROJECTS 10 INCHES.

AC4443'

AC4443'REFERENCE MARK NO. 2 (AZIMUTH MARK) IS LOCATED E OF STATION,  
AC4443'3 METERS N OF CENTER LINE OF THE ROCK ROAD, AND PROJECTS 12 INCHES.

AC4443'

AC4443'REFERENCE MARK NO. 3 IS LOCATED SW OF THE STATION, 3 METERS S  
AC4443'OF THE CENTER LINE OF THE ROAD, AND PROJECTS 12 INCHES.

AC4443'

AC4443'TO REACH FROM MIAMI RAILROAD STATION GO S TO THE JUNCTION OF  
AC4443'8TH AVENUE AND TAMIAMI TRAIL OR U.S. HIGHWAY 95, GO W HERE  
AC4443'19 MILES TO T-ROAD S AT A SIGN HOMESTEAD GO S 12.5 MILES TO

AC4443'T-ROAD RIGHT. TURN RIGHT GO 2 MILES AND FOLLOW ROAD RIGHT OR  
AC4443'N 1.5 MILES TO T-ROAD LEFT, TURN W GO 4 MILES TO STATION.

AC4443'

AC4443'A 50-FOOT TOWER CLEARED ALL LINES.

AC4443'

AC4443'NO CUT-IN VISIBLE FROM GROUND.

AC4443

AC4443

STATION RECOVERY (1960)

AC4443

AC4443'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1960 (JJC)

AC4443'THE STATION AND AZIMUTH MARK WERE RECOVERED AND FOUND TO BE

AC4443'IN GOOD CONDITON. REFERENCE MARK 1 AND 2 WERE NOT SEARCHED FOR

AC4443'AT THIS DATE. A NEW TO REACH IS AS FOLLOWS--

AC4443'

AC4443'TO REACH THE STATION FROM THE COURTHOUSE IN HOMESTEAD GO NORTH

AC4443'ON ROUTE 27 FOR 12.3 MILES TO GROSSMAN ROAD (192 ST.). TURN

AC4443'LEFT, WEST, AND GO 2.0 MILES TO THE POINT WHERE THE ROAD MAKES A

AC4443'90 DEGREE TURN NORTH (A FAINT DIRT ROAD CONTINUES STRAIGHT

AC4443'AHED). TURN RIGHT ON ROCK ROAD AND GO 1.35 MILES TO WHERE

AC4443'ROAD TURNS LEFT, WEST, AND SECONDARY ROAD CONTINUES NORTH. TURN

AC4443'LEFT, WEST, AND GO 3.95 MILES TO STATION ON THE RIGHT. THE

AC4443'STATION IS DUE NORTH OF CURVE SIGN AND ABOUT 350 FEET EAST OF

AC4443'THE CURVE.

AC4443'

AC4443'THE LAST THREE MILES OF THE ROAD LEADING TO THE STATION IS

AC4443'UNDER WATER AT TIMES DUE TO THE DRAINING OF LAKE

AC4443'OKEECHOBEE. THE ROAD IS PASSABLE AT THESE TIMES.

AC4443

AC4443

STATION RECOVERY (1961)

AC4443

AC4443'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1961 (SCM)

AC4443'STATION MARK WAS RECOVERED AND IS IN GOOD CONDITION. BOTH

AC4443'REFERENCE MARKS AND THE AZIMUTH MARK HAVE BEEN DESTROYED DUE

AC4443'TO THE CONSTRUCTION OF A NEW ROAD WHICH IS NOW UNDER

AC4443'CONSTRUCTION. REFERENCE MARK NUMBERS 4, 5 AND A NEW AZIMUTH

AC4443'MARK WERE SET FOR THE STATION. SOME REFERENCE MEASUREMENTS TO

AC4443'ALL MARKS FOLLOW. ALSO A NEW DESCRIPTION OF HOW TO REACH THE

AC4443'STATION FOLLOWS.

AC4443'

AC4443'STATION MARK IS A STANDARD DISK, STAMPED GOFFMAN 1934, SET

AC4443'IN THE TOP OF A ROUND CONCRETE MONUMENT THAT PROJECTS ABOUT

AC4443'8 INCHES. IT IS 39 FEET NORTH OF THE CENTER OF A GRAVELED

AC4443'ROAD AND 7.4 FEET NORTH-NORTHWEST OF A STANDARD METAL WITNESS

AC4443'POST.

AC4443'

AC4443'REFERENCE MARK NUMBER 4 IS A STANDARD DISK, STAMPED GOFFMAN

AC4443'NO 4 1934, BRAZED TO THE TOP OF A 3-INCH CAST IRON PIPE WHICH

AC4443'IS ABOUT 3 FEET IN THE GROUND AND IS ENCASED WITH CEMENT. IT

AC4443'PROJECTS ABOUT 6 INCHES AND IS 112 FEET NORTH OF THE CENTER OF

AC4443'A GRAVELED ROAD AND 76 FEET NORTH OF THE WITNESS POST.

AC4443'

AC4443'REFERENCE MARK NUMBER 5 IS A STANDARD DISK, STAMPED GOFFMAN

AC4443'NO 5 1934, BRONZED TO THE TOP OF A 3-INCH CAST IRON PIPE WHICH

AC4443'IS ABOUT 3 FEET IN THE GROUND, ENCASED WITH CEMENT AND PROJECTS

AC4443'ABOUT 6 INCHES. IT IS 35 FEET NORTH OF THE CENTER OF THE

AC4443'GRAVELED ROAD AND 77 FEET EAST OF THE WITNESS POST.

AC4443'

AC4443'AZIMUTH MARK IS A STANDARD DISK, STAMPED GOFFMAN 1934 RESET

AC4443'1961, SET IN THE TOP OF A SQUARE CONCRETE MONUMENT THAT

AC4443'PROJECTS ABOUT 3 INCHES. IT IS 38 FEET WEST OF THE CENTER OF



AC4443'A GRAVELED ROAD (NORTH-SOUTH), 1.8 FEET EAST OF A STANDARD  
AC4443'METAL WITNESS POST AND IS SET AT THE EAST EDGE OF SWAMP GRASS.  
AC4443'

AC4443'AZIMUTH MARK IS REACHED FROM THE STATION. GO WEST ON THE  
AC4443'GRAVELED ROAD FOR 0.05 MILE TO A T-INTERSECTION. TURN RIGHT  
AC4443'AND GO NORTH ON A GRAVELED ROAD FOR 0.25 MILE TO THE WITNESS  
AC4443'POST AND MARK ON THE LEFT, WEST SIDE OF THE ROAD.

AC4443'

AC4443'STATION IS REACHED FROM THE POST OFFICE IN HOMESTEAD. GO  
AC4443'WEST ON 8TH AVENUE NE FOR 0.1 MILE. TURN RIGHT AND GO NORTH  
AC4443'ON KROME AVENUE AND STATE HIGHWAY 27 FOR 5.3 MILES TO A  
AC4443'RAILROAD TRACK. CROSS THE TRACK AND CONTINUE NORTH ON HIGHWAY  
AC4443'27 FOR 2.45 MILES. TURN LEFT AND GO WEST ON A MACADAM ROAD FOR  
AC4443'2.15 MILES. TURN RIGHT AND GO NORTH ON A MACADAM ROAD FOR  
AC4443'1.55 MILES. TURN LEFT AND GO WEST ON A ROAD THAT IS NOW  
AC4443'UNDER CONSTRUCTION, FOR 4.15 MILES TO THE STATION MARK ON THE  
AC4443'RIGHT.

AC4443'

AC4443'OBSERVATIONS MADE FROM A 77 FOOT STEEL TOWER.

AC4443

STATION RECOVERY (1971)

AC4443

AC4443'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1971 (NCA)  
AC4443'STATION WAS RECOVERED AS DESCRIBED. THE ROCK ROAD MENTIONED  
AC4443'IN THE DESCRIPTION IS NOW PAVED WITH ASPHALT.

AC4443

AC4443

STATION RECOVERY (2001)

AC4443

AC4443'RECOVERY NOTE BY US ARMY CORPS OF ENGINEERS 2001 (BFS)  
AC4443'THE STATION MARK WAS FOUND IN GOOD CONDITION.

AC4443

AC4443

STATION RECOVERY (2013)

AC4443

AC4443'RECOVERY NOTE BY ATKINS NORTH AMERICA INC 2013 (DWD)  
AC4443'RECOVERED IN GOOD CONDITION.

\*\*\* retrieval complete.

Elapsed Time = 00:00:03

# The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.9
1      National Geodetic Survey,  Retrieval Date = JULY 15, 2016
AC4425 *****
AC4425 DESIGNATION - H 078
AC4425 PID - AC4425
AC4425 STATE/COUNTY- FL/MIAMI-DADE
AC4425 COUNTRY - US
AC4425 USGS QUAD - SOUTH OF COOPERTOWN (1979)
AC4425
AC4425 *CURRENT SURVEY CONTROL
AC4425
AC4425* NAD 83(1990) POSITION- 25 38 14.69022(N) 080 34 34.08375(W) ADJUSTED
AC4425* NAVD 88 ORTHO HEIGHT - 2.74 (+/-2cm) 9.0 (feet) VERTCON
AC4425
AC4425 GEOID HEIGHT - -24.504 (meters) GEOID12B
AC4425 LAPLACE CORR - -2.69 (seconds) DEFLEC12B
AC4425 HORZ ORDER - SECOND
AC4425 VERT ORDER - THIRD ? (See Below)
AC4425
AC4425.The horizontal coordinates were established by classical geodetic methods
AC4425.and adjusted by the National Geodetic Survey in May 1991.
AC4425.
AC4425.The NAVD 88 height was computed by applying the VERTCON shift value to
AC4425.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)
AC4425
AC4425.Significant digits in the geoid height do not necessarily reflect accuracy.
AC4425.GEOID12B height accuracy estimate available here.
AC4425
AC4425.The vertical order pertains to the NGVD 29 superseded value.
AC4425
AC4425.The Laplace correction was computed from DEFLEC12B derived deflections.
AC4425
AC4425. The following values were computed from the NAD 83(1990) position.
AC4425
AC4425;
AC4425;          North          East          Units Scale Factor Converg.
AC4425;SPC FL E - 144,516.154 242,563.621 MT 0.99996354 +0 11 00.2
AC4425;SPC FL E - 474,133.42 795,810.81 sFT 0.99996354 +0 11 00.2
AC4425;UTM 17 - 2,835,598.827 542,549.099 MT 0.99962235 +0 11 00.2
AC4425
AC4425!          - Elev Factor x Scale Factor = Combined Factor
AC4425!SPC FL E - 1.00000342 x 0.99996354 = 0.99996696
AC4425!UTM 17 - 1.00000342 x 0.99962235 = 0.99962577
AC4425
AC4425:          Primary Azimuth Mark          Grid Az
AC4425:SPC FL E - H 078 AZ MK 1 357 47 21.9
AC4425:UTM 17 - H 078 AZ MK 1 357 47 21.9
AC4425
AC4425|-----|
AC4425| PID Reference Object          Distance          Geod. Az |
AC4425|          |          |          |          |
AC4425|          |          |          |          |
AC4425| AC4426 MIAMI FAA INTL COMM TOWER APPROX. 7.2 KM 0812025.3 |

```

AC4425| AC3900 HOMESTEAD TV STA WCIX MAST APPROX.15.3 KM 1345208.1 |  
 AC4425| AC4448 RAD TWR FORMER FAA APPROX. 3.7 KM 1712047.1 |  
 AC4425| CW7597 H 078 AZ MK 2 1780940.1 |  
 AC4425| CW7596 H 078 AZ MK 1 3575822.1 |

AC4425|-----|  
 AC4425

AC4425 SUPERSEDED SURVEY CONTROL

AC4425  
 AC4425 NAD 83(1986)- 25 38 14.68878(N) 080 34 34.08558(W) AD( ) 2  
 AC4425 NAD 27 - 25 38 13.31059(N) 080 34 34.87351(W) AD( ) 2  
 AC4425 NGVD 29 (07/19/86) 3.21 (m) 10.5 (f) LEVELING 3  
 AC4425

AC4425.Superseded values are not recommended for survey control.

AC4425

AC4425.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AC4425.[See file dsdata.txt](#) to determine how the superseded data were derived.

AC4425

AC4425\_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ4254935598(NAD 83)

AC4425

AC4425\_MARKER: DD = SURVEY DISK

AC4425\_SETTING: 0 = UNSPECIFIED SETTING

AC4425

HISTORY	Date	Condition	Report By
HISTORY	- 1972	MONUMENTED	FL-025

AC4425

AC4425 STATION DESCRIPTION

AC4425

AC4425'DESCRIBED BY DADE COUNTY FLORIDA 1972 (JCF)

AC4425'STATION IS ABOUT 12.7 MILES NORTH NORTHWEST OF THE HOMESTEAD CITY

AC4425'HALL, ABOUT 6.0 MILES WEST OF STATE ROAD 27, ABOUT 8.6 MILES

AC4425'SOUTH OF U.S. ROUTE 41, ABOUT 1.0 MILE NORTH OF THE NORTHEAST

AC4425'CORNER OF GROSSMAN HAMMOCK STATE PARK AND IN THE VICINITY OF THE

AC4425'RANGE LINE BETWEEN TOWNSHIPS 55 SOUTH, RANGE 37 EAST AND 55

AC4425'SOUTH, RANGE 38 EAST AND 3 MILES SOUTH OF THE NORTH LINE OF SAID

AC4425'TOWNSHIPS.

AC4425'

AC4425'TO REACH FROM THE MAIN INTERSECTION OF THE CITY OF HOMESTEAD AT

AC4425'KROME AVENUE AND MOWRY STREET PROCEED NORTH ON KROME AVENUE

AC4425'(STATE ROAD 27) FOR 8.0 MILES TO THE INTERSECTION OF

AC4425'S.W. 192ND STREET (GROSSMAN DRIVE), TURN LEFT AND PROCEED WEST

AC4425'ON S.W. 192ND STREET FOR 2.0 MILES TO THE INTERSECTION OF

AC4425'S.W. 197TH AVENUE (RICHARD ROAD), TURN RIGHT AND PROCEED NORTH

AC4425'ON S.W. 197TH AVENUE FOR 1.5 MILES TO THE INTERSECTION OF S.W.

AC4425'168TH STREET (RICHMOND DRIVE), TURN LEFT AND PROCEED WEST ON

AC4425'S.W. 168TH STREET FOR 4.0 MILES TO THE T INTERSECIION WITH S.W.

AC4425'237TH AVENUE, TURN RIGHT AND PROCEED NORTH ON S.W. 237TH AVENUE

AC4425'FOR 2.0 MILES TO THE INTERSECTION OF S.W. 136TH STREET (HOWARD

AC4425'DRIVE, A ROCK TRAIL TO EAST ONLY) AND THE STATION NEAR THE

AC4425'CENTER OF THE PAVING.

AC4425'

AC4425'STATION MARK IS A BRASS DISK IN A CONCRETE MONUMENT WITH

AC4425'UNDERGROUND MARK, FLUSH WITH THE PAVING, MARKED FLORIDA-DADE AND

AC4425'STAMPED H-078. IT IS 2.0 FEET WEST OF THE CENTERLINE OF PAVING

AC4425'ON S.W. 237TH AVENUE, 11.5 FEET SOUTH OF A CORRUGATED METAL

AC4425'CULVERT UNDER THE STREET AND 18.00 FEET EAST OF A 1-1/4 INCH STEEL

AC4425'PIPE, 3 FEET HIGH, MARKING THE CORNER COMMON TO SECTIONS 18 AND

AC4425'19 ON THE WEST RANGE LINE OF TOWNSHIP 55 SOUTH, RANGE 38 EAST.

AC4425'

AC4425'REFERENCE MARK 1 IS THE 1-1/4 INCH STEEL PIPE (SECTION CORNER)

AC4425'18.00 FEET WEST OF THE STATION.

AC4425'

AC4425'REFERENCE MARK 2 IS AN ALUMINUM PLUG IN A CONCRETE MONUMENT ON  
AC4425'A LINE WITH THE STATION AND THE SECTION CORNER AND 12.00 FEET  
AC4425'EAST OF THE STATION.

AC4425'

AC4425'AZIMUTH MARK 1 IS 0.35 MILE NORTH OF THE STATION ALONG S.W. 237TH  
AC4425'AVENUE. IT IS A SPIKE, CENTER PUNCHED AND DRIVEN THROUGH A DADE  
AC4425'COUNTY BRASS WASHER INTO A DRILL HOLE IN THE CONCRETE BASE OF AN  
AC4425'ABANDONED BARRICADE (8 INCH I BEAM CUT OFF FLUSH) ON THE WEST  
AC4425'EDGE OF THE PAVING AT THE POINT OF CURVE OF A CURVE TO THE  
AC4425'NORTHEAST.

AC4425'

AC4425'AZIMUTH MARK 2 IS 1.0 MILE SOUTH OF THE STATION ALONG S.W. 237TH  
AC4425'AVENUE. IT IS A SPIKE, CENTER PUNCHED AND DRIVEN THROUGH A DADE  
AC4425'COUNTY BRASS WASHER INTO A DRILL HOLE IN THE CONCRETE BASE OF AN  
AC4425'ABANDONED BARRICADE (6 INCH I BEAM CUT OFF FLUSH) ON THE WEST EDGE  
AC4425'OF THE PAVING AT THE INTERSECTION OF S.W. 152ND STREET.

\*\*\* retrieval complete.

Elapsed Time = 00:00:03



Survey Data Entry and Retrieval Application (SDERA) Print Output

**Control Point Search Results**

Derived Data - Denoted By: \*\*

Designation	H078	Record State	ACCEPTED
NGS PID	<a href="#">AC4425</a>		
Project Name	G-3273	Date Entered/Updated	03/09/2011
Updated By	hehmke	Status	GOOD
Party Chief		Type	H/V
Monument Set By	MIAMI-DADE COUNTY	Date Established	01/01/1972
County		Section	30
Township	55	Range	38
Quadrangle	SOUTH OF COOPERTOWN	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	<u>NAD 1927</u>	<u>NAD 1983</u>	<u>Vertical</u>	<u>NGVD 1929</u>	<u>NAVD 1988</u>
Latitude		25 38 14.7	Class		
Longitude		80 34 34.1	Order	3	3
Northing(Y)		474133.415	Elevation	9.41	0.0
Easting(X)		795810.813	Measurement Unit	Feet	Feet
Class					
Order		2			
NAD83 Adj Year		1990			

**Field Book**

DCS 1

**Field Book Pages**

61

**Stamping**

BM DCBM H-078

**How to Reach**

**Description**

\*\*\*\*\* RECOVERY NOTE \*\*\*\*\*

DADE COUNTY BENCH MARK IN CENTER LINE OF SW 237TH AVE. APPROX. 2.0 MILES NORTH OF SW 168TH STREET AND APPROX. 0.625 MILE NORTH OF WELL G-3273.

4/24/1981 RANKIN FIELD BOOK 31Z PAGE 1 BM DADE CO H078J IS IN PAVEMENT NEAR WEST SIDE OF 237TH AVE ABOUTH 1 1.2 MILES NORTH OF RECORDER 3773 AT APPROXIMATE LOCATION OF SW 237TH AVE AND 136TH STRE EL. 9.41 NGVD 1929 (27-MAY-08 HJE)

\*\*\*\*\*

\*\*\*\*\*

THE NGS DATA SHEET

DATABASE = SYBASE ,PROGRAM = DATASHEET, VERSION = 6.27

STARTING DATASHEET RETRIEVAL...

1 NATIONAL GEODETIC SURVEY, RETRIEVAL DATE = SEPTEMBER 29, 2000

AC4425 \*\*\*\*\*

AC4425 DESIGNATION - H 078

AC4425 PID - AC4425

AC4425 STATE/COUNTY- FL/DADE

AC4425 USGS QUAD - SOUTH OF COOPERTOWN (1979)

AC4425

AC4425 \*CURRENT SURVEY CONTROL

AC4425

AC4425\* NAD 83(1990)- 25 38 14.69022(N) 080 34 34.08375(W) ADJUSTED

AC4425\* NAVD 88 - 2.74 (+/-2CM) 9.0 (FEET) VERTCON  
AC4425  
AC4425 LAPLACE CORR- -2.57 (SECONDS) DEFLEC99  
AC4425 GEOID HEIGHT- -24.46 (METERS) GEOID99  
AC4425  
AC4425 HORZ ORDER - SECOND  
AC4425 VERT ORDER - THIRD ? (SEE BELOW)  
AC4425  
AC4425.THE HORIZONTAL COORDINATES WERE ESTABLISHED BY CLASSICAL GEODETIC METHODS  
AC4425.AND ADJUSTED BY THE NATIONAL GEODETIC SURVEY IN MAY 1991.  
AC4425  
AC4425.THE NAVD 88 HEIGHT WAS COMPUTED BY APPLYING THE VERTCON SHIFT VALUE TO  
AC4425.THE NGVD 29 HEIGHT (DISPLAYED UNDER SUPERSEDED SURVEY CONTROL.)  
AC4425.THE VERTICAL ORDER PERTAINS TO THE SUPERSEDED DATUM.  
AC4425  
AC4425.THE LAPLACE CORRECTION WAS COMPUTED FROM DEFLEC99 DERIVED DEFLECTIONS.  
AC4425  
AC4425.THE GEOID HEIGHT WAS DETERMINED BY GEOID99.  
AC4425  
AC4425; NORTH EAST UNITS SCALE CONVERG.  
AC4425;SPC FL E - 144,516.154 242,563.621 MT 0.99996354 +0 11 00.2  
AC4425;UTM 17 - 2,835,598.827 542,549.099 MT 0.99962235 +0 11 00.2  
AC4425  
AC4425: PRIMARY AZIMUTH MARK GRID AZ  
AC4425:SPC FL E - H 078 AZ MK 1 357 47 21.9  
AC4425:UTM 17 - H 078 AZ MK 1 357 47 21.9  
AC4425  
AC4425|-----|  
AC4425|PID REFERENCE OBJECT DISTANCE GEOD. AZ |  
AC4425|DDDMMSS.S |  
AC4425|AC4426 MIAMI FAA INTL COMM TOWER APPROX. 7.2 KM 0812025.3 |  
AC4425|AC3900 HOMESTEAD TV STA WCIX MAST APPROX.15.3 KM 1345208.1 |  
AC4425|AC4448 RAD TWR FORMER FAA APPROX. 3.7 KM 1712047.1 |  
AC4425|H 078 AZ MK 2 1780940.1 |  
AC4425|H 078 AZ MK 1 3575822.1 |  
AC4425|-----|  
AC4425  
AC4425 SUPERSEDED SURVEY CONTROL  
AC4425  
AC4425 NAD 83(1986)- 25 38 14.68878(N) 080 34 34.08558(W) AD( ) 2  
AC4425 NAD 27 - 25 38 13.31059(N) 080 34 34.87351(W) AD( ) 2  
AC4425 NGVD 29 - 3.21 (M) 10.5 (F) LEVELING 3  
AC4425  
AC4425.SUPERSEDED VALUES ARE NOT RECOMMENDED FOR SURVEY CONTROL.  
AC4425.NGS NO LONGER ADJUSTS PROJECTS TO THE NAD 27 OR NGVD 29 DATUMS.  
AC4425.SEE FILE DSDATA.TXT TO DETERMINE HOW THE SUPERSEDED DATA WERE DERIVED.  
AC4425  
AC4425 \_MARKER: DD = SURVEY DISK  
AC4425 \_SETTING: 0 = UNSPECIFIED SETTING  
AC4425  
AC4425 HISTORY - DATE CONDITION RECOV. BY  
AC4425 HISTORY - 1972 MONUMENTED FL-025  
AC4425  
AC4425 STATION DESCRIPTION  
AC4425  
AC4425 DESCRIBED BY DADE COUNTY FLORIDA 1972 (JCF)  
AC4425 STATION IS ABOUT 12.7 MILES NORTH NORTHWEST OF THE HOMESTEAD CITY  
AC4425 HALL, ABOUT 6.0 MILES WEST OF STATE ROAD 27, ABOUT 8.6 MILES  
AC4425 SOUTH OF U.S. ROUTE 41, ABOUT 1.0 MILE NORTH OF THE NORTHEAST  
AC4425 CORNER OF GROSSMAN HAMMOCK STATE PARK AND IN THE VICINITY OF THE  
AC4425 RANGE LINE BETWEEN TOWNSHIPS 55 SOUTH, RANGE 37 EAST AND 55  
AC4425 SOUTH, RANGE 38 EAST AND 3 MILES SOUTH OF THE NORTH LINE OF SAID  
AC4425 TOWNSHIPS.  
AC4425  
AC4425 TO REACH FROM THE MAIN INTERSECTION OF THE CITY OF HOMESTEAD AT  
AC4425 KROME AVENUE AND MOWRY STREET PROCEED NORTH ON KROME AVENUE  
AC4425 (STATE ROAD 27) FOR 8.0 MILES TO THE INTERSECTION OF  
AC4425 S.W. 192ND STREET (GROSSMAN DRIVE), TURN LEFT AND PROCEED WEST

AC4425 ON S.W. 192ND STREET FOR 2.0 MILES TO THE INTERSECTION OF  
AC4425 S.W. 197TH AVENUE (RICHARD ROAD), TURN RIGHT AND PROCEED NORTH  
AC4425 ON S.W. 197TH AVENUE FOR 1.5 MILES TO THE INTERSECTION OF S.W.  
AC4425 168TH STREET (RICHMOND DRIVE), TURN LEFT AND PROCEED WEST ON  
AC4425 S.W. 168TH STREET FOR 4.0 MILES TO THE T INTERSECIION WITH S.W.  
AC4425 237TH AVENUE, TURN RIGHT AND PROCEED NORTH ON S.W. 237TH AVENUE  
AC4425 FOR 2.0 MILES TO THE INTERSECTION OF S.W. 136TH STREET (HOWARD  
AC4425 DRIVE, A ROCK TRAIL TO EAST ONLY) AND THE STATION NEAR THE  
AC4425 CENTER OF THE PAVING.  
AC4425  
AC4425 STATION MARK IS A BRASS DISK IN A CONCRETE MONUMENT WITH  
AC4425 UNDERGROUND MARK, FLUSH WITH THE PAVING, MARKED FLORIDA-DADE AND  
AC4425 STAMPED H-078. IT IS 2.0 FEET WEST OF THE CENTERLINE OF PAVING  
AC4425 ON S.W. 237TH AVENUE, 11.5 FEET SOUTH OF A CORRUGATED METAL  
AC4425 CULVERT UNDER THE STREET AND 18.00 FEET EAST OF A 1-1/4 INCH STEEL  
AC4425 PIPE, 3 FEET HIGH, MARKING THE CORNER COMMON TO SECTIONS 18 AND  
AC4425 19 ON THE WEST RANGE LINE OF TOWNSHIP 55 SOUTH, RANGE 38 EAST.  
AC4425  
AC4425 REFERENCE MARK 1 IS THE 1-1/4 INCH STEEL PIPE (SECTION CORNER)  
AC4425 18.00 FEET WEST OF THE STATION.  
AC4425  
AC4425 REFERENCE MARK 2 IS AN ALUMINUM PLUG IN A CONCRETE MONUMENT ON  
AC4425 A LINE WITH THE STATION AND THE SECTION CORNER AND 12.00 FEET  
AC4425 EAST OF THE STATION.  
AC4425  
AC4425 AZIMUTH MARK 1 IS 0.35 MILE NORTH OF THE STATION ALONG S.W. 237TH  
AC4425 AVENUE. IT IS A SPIKE, CENTER PUNCHED AND DRIVEN THROUGH A DADE  
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AC4425 ABANDONED BARRICADE (8 INCH I BEAM CUT OFF FLUSH) ON THE WEST  
AC4425 EDGE OF THE PAVING AT THE POINT OF CURVE OF A CURVE TO THE  
AC4425 NORTHEAST.  
AC4425  
AC4425 AZIMUTH MARK 2 IS 1.0 MILE SOUTH OF THE STATION ALONG S.W. 237TH  
AC4425 AVENUE. IT IS A SPIKE, CENTER PUNCHED AND DRIVEN THROUGH A DADE  
AC4425 COUNTY BRASS WASHER INTO A DRILL HOLE IN THE CONCRETE BASE OF AN  
AC4425 ABANDONED BARRICADE (6 INCH I BEAM CUT OFF FLUSH) ON THE WEST EDGE  
AC4425 OF THE PAVING AT THE INTERSECTION OF S.W. 152ND STREET.  
ELAPSED TIME = 00:00:06

THIS BENCH MARK WAS USED TO ESTABLISH AN ELEVATION ON MONITORING WELL G-3273

**DISCLAIMER:**

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SOUTH FLORIDA WATER MANAGEMENT DISTRICT



Survey Data Entry and Retrieval Application (SDERA) Print Output

**Control Point Search Results**

Derived Data - Denoted By:

\*\*

Designation	JOE11	Record State	ACCEPTED
NGS PID			
Project Name		Date Entered/Updated	06/27/2009
Updated By	ATLAS DATA LOAD	Status	
Party Chief		Type	H/V
Monument Set By	U.S. ARMY CORPS OF ENGINEERS	Date Established	01/01/1986
County	MIAMI-DADE	Section	
Township		Range	
Quadrangle		Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

<u>Horizontal</u>	<u>NAD 1927</u>	<u>NAD 1983</u>	<u>Vertical</u>	<u>NGVD 1929</u>	<u>NAVD 1988</u>
Latitude			Class		
Longitude			Order	3	
Northing(Y)	468694.816		Elevation	9.1	
Easting(X)	639757.173		Measurement Unit	Feet	
Class					
Order					
NAD83 Adj Year					

**Field Book**

**Field Book Pages**

**Stamping**

**How to Reach**

**Description**

THE CORPS OF ENGINEERS DATA SHEET  
 MONUMENT ID: DA JOE 11

LOCALITY-PROJECT : HOMESTEAD, FLA. MONUMENT TYPE : DISK  
 LATITUDE : 0° 0' 0.00000" LONGITUDE : 0° 0' 0.00000"  
 X(E) : 639757.173 Y(N) : 468694.816  
 ZONE : FLE ELEVATION : 9.1000  
 HORIZONTAL DATUM : NAD-27 VERTICAL DATUM : NGVD-29  
 ORDER : THIRD LINEAR UNITS : FEET  
 STATE : FL DATE SET : 1986



MONUMENT SET BY : AME COUNTY : DADE

DATE ADDED : 881205 DATE CHANGED : 010731

RECOVERED BY :  
COMPANY (1) (2)  
PERSON (1) (2)  
DATE (1) (2)  
CONDITION (1) (2)

TO REACH FROM 168TH STREET BRIDGE OVER CANAL GO WEST FOR 4.0 MILES THEN  
TURN NORTH 1.0 MILES AND STATION LOCATION.

TIES FOR MONUMENT JOE 11 USACOE BRONZE DISK IN 1-1/4 INCH BY 5 FEET I.RON  
PIPE SET ON WEST EDGE OF PAVED ROAD. +/- 7 FEET SOUTH OF CENTERLINE GRAVEL  
ROAD NEAR 19 T 55 N, R 38 N. ---- 30

RM 1 P.K. NAIL IN NORTHWEST FACE POWERPOLE 51.50 FEET

RM 2 P.K. NAIL IN SOUTH FACE POST 26.37 FEET

RM 3 P.K. NAIL IN NORTHWEST FACE POST. 35.50 FEET

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# STRUCTURE POINT SURVEY RECORD

**STRUCTURE NAME**      **G3273**

**DESCRIPTION**      X-Cut in Concrete

**GEODETTIC DATUM**      **NAD83 (2007)**      **COORDINATE SYSTEM**      **FLORIDA EAST**

**ELEVATION DATUM**      **NAVD 88**      **GEOID USED**      **Geoid 09**

**UNITS USED**      **US Survey Foot**



**SOURCE :**      [Least Squares Network Adjustment Report](#)

COORDINATES				Estimated Errors at 95% Confidence Level			
N	E	El. Ht	Elev.	N	E	El. Ht	Elev
470820.693	795913.791	-73.925	6.386	0.092	0.095	0.089	0.121



**GPS Obs. Files**

28270711-4

**Occupation Records**

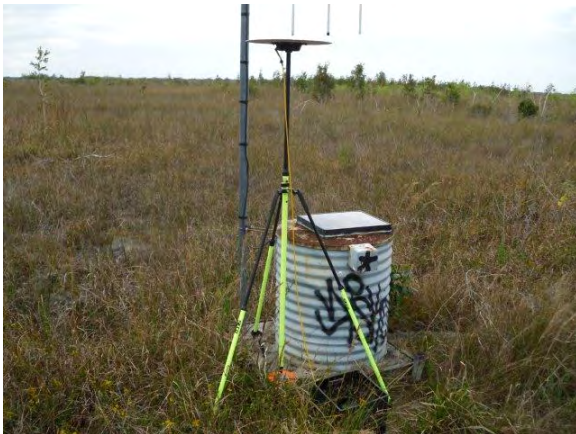
OR0337.pdf

**Occupation Photos**

G3273 03-18-10 M1383

G3273 03-18-10 I1384

G3273 03-18-10 S1385



Re Fw Site G3273.txt

From: Ronald B Irvin [rbi rvin@usgs. gov]  
Sent: Monday, May 16, 2005 10: 55 AM  
To: Jeffrey. L. Navai lle@saj 02. usace. army. mi l  
Cc: Geller, Andrew E SAJ; Robar, David J SAJ; Ehmke, Howard; Scott T Pri nos  
Subject: Re: Fw: Si te G3273

The site has USGS ID 253748080343401

Our records have the location as 25d37m48sN, 80d34m34sW, NAD1929; 25d37m49sN, 80d34m33sW, NAVD1983 (projected); NENESES24 T55S R37E, Land Net. It is on the west side of SW 247th Ave, across from 14401 SW 247th Avenue, approximately 1.5 mi north of the intersection of SW 168th Avenue (Richmond Drive) and SW 247th Ave.

It was drilled Oct. 5, 1983, by hydraulic rotary drilling to a depth of 15 ft BLS (drilled into the Biscayne aquifer). It was finished with 4-in. PVC casing to 7.5 ft and is open hole 7.5 - 15 ft BLS. Water levels were monitored at the site from March 1984 to September 1993, with a range in stage of approximately 2.0 - 7.6 ft NGVD 1929. The measuring point used was the top of base, 10.25 ft NGVD 1929. It is likely that the enclosure and base have been since removed.

If you have any further questions or the well or its data, I can be reached at rbi rvin@usgs. gov or (305) 717-5835.

Bruce Irvin  
hydrologist

Mitchell H Murray

Mitchell H Murray/WRD/USGS/DOI@USGS  
05/13/2005 03: 52 PM

To: Ronald B Irvin/WRD/USGS/DOI@USGS  
cc: Scott T Pri nos/WRD/USGS/DOI@USGS,  
Subject: Fw: Si te G3273

Bruce, can you please respond.

----- Forwarded by Mitchell H Murray/WRD/USGS/DOI on 05/13/2005 03: 51 PM

"Navai lle, Jeffrey L SAJ"  
<Jeffrey. L. Navai lle@saj 02. usac  
e. army. mi l >  
05/13/2005 03: 39 PM

To: "Mitchell Murray \ (E-mai l \)" <mmurray@usgs. gov>, "Howard Ehmke \ (E-mai l \)"

Re Fw Si te G3273. txt

<hehmke@sfwmd. gov>

cc: "Geller, Andrew E SAJ" <Andrew. E. Geller@saj 02. usace. army. mil >, "Robar, David J  
<David. J. Robar@saj 02. usace. army. mil >

Subject: Si te G3273

SAJ"

>  
-----|

Gentlemen,

As you both may know, we are in the process of modernizing the elevations on many of the structures and water monitoring devices in south Florida. There is a site named G3273 located in T 56 S, R 38 E on or near what would be the west 1/4 corner of section 19. Approximate location of lat N25° 37' 51", and long W080° 34' 31".

Any information on this site will be a great help.

Thank You,

Jeffrey L. Naville  
Survey Section  
USAED, Jacksonville  
701 San Marco Boulevard  
Jacksonville, FL 32207-8175  
Ph: 904-232-2499