

66

NCADA FB #9

2-5-14

Sec. 14 Twp. 48 Rge 37

Ebanks
Cain
Ellard

Establish Ref Elev for Re-Built
Monitoring Well (STA.) G-3ANE

HTA	+	HI.	-	Elev	Remarks
B.M. G-3ANE				12.71	found
				+ 5.79	measured up to well head.
				<u>18.50</u>	REF pt.

66

NCADA FB #9

2-6-14

Sec. 8 Twp. 58 Rge 38.

Ebanks
Babsein

Establish Ref Elevation for Wells
@ 5-177 (CATER Projects)

HTA	+	HI.	-	Elev	Remarks
B.M. 5511		4.69		13.728	9.038
5-177 H/W Well				0.61	13.118 meas. 3153
5-177 T/W Well				0.61	13.118 meas 3155
				<u>Ref</u>	
5-177 T/W		0.68		13.798	
5-177 H/W				0.68	13.118
B.M. 5511		4.76		9.038	

STN G3ANE STGWELL
ELEV. 18.50
DATE 2 5 14
BY EE JC NE
NAVD NGVD29



SFWMD

SFWMD

CADA 9



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

COUNTY BROWARD	PROJECT Hydrology – Everglades Wells	DESIGNATION 3ANE
SECTION 14	TOWNSHIP 48 SOUTH	RANGE 37 EAST
GEOGRAPHIC INDEX OF QUAD		
Established by <u>Nick Miller Inc.</u> Recovered by	NAME OF QUADRANGLE DEEM CITY	
SURVEYOR <u>Stephen M. Gordon</u> DATE <u>09/14/2006</u>	FIELD BOOK _____ 16 _____ PAGE <u>20</u>	
HORIZONTAL DATUM: 1927 <u>1983</u> Other _____ (circle one) ZONE <u>E</u> or W		
STATE PLANE COORDINATES	E 782,513 ft	N 703,610 ft
LATITUDE: N 26.26889°	LONGITUDE: W 80.61455°	
VERTICAL DATUM: MSL 1929 <u>1988</u> Other _____ (circle one)	EL. 11.25 ft	
VERTICAL DATUM: MSL <u>1929</u> 1988 Other _____ (circle one)	EL. 12.71 ft	
CONTROL ACCURACY: HORIZONTAL 1 2 3 <u>SUB-METER</u> (circle one) VERTICAL 1 2 <u>3</u>		
DESCRIPTION		
<p>To Reach:</p> <p>FROM THE JUNCTION OF US 27 AND INTERSTATE 75. GO NORTH ON US 27 FOR 2.5 MILES TO AIRBOAT TOUR FACILITY ON RIGHT. GO EAST FOR +/-450 FEET TO BOAT RAMPS. FROM BOAT RAMPS HEAD 12.15 MILES BY AIRBOAT AT AN AZIMUTH OF 300° 48' 24" TO MARK. LOCATED 4.6 FEET SOUTHWEST OF CORRIGATED PIPE FOR MONITORING WELL, 0.55 FEET WEST OF THE WEST EDGE OF PLATFORM, AND IS RECESSED 2.5 FEET BELOW PLATFORM. MAGNET PLACED INSIDE 6 INCH PVC CASING. ROD DEPTH IS 15.12 FEET.</p> <p>"3ANE" IS A SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) 9/16 INCH STAINLESS STEEL ROD SET INSIDE A 6 INCH PVC PIPE ENCLOSURE COVERED WITH AN ACCESS HATCH.</p> <p>Benchmarks Used: N 410 X, Z 497, U 501, FLGPS 64 AZ MK</p> <p>Notable Land marks:</p>		



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

SKETCH

1078.010 STAINLESS STEEL ROD SFWMD
SET TO REFUSAL
3ANE STILLING WELL

1078-010
BOOK 16
PT. 6TH 2006
LOUDY SFWMD-16

- MONUMENT SET TO REFUSAL @ 15.12 FT.

- COORDINATES TO 3ANE MONUMENT
LAT: 26° 16' 07.92"
LONG: 80° 36' 52.37"

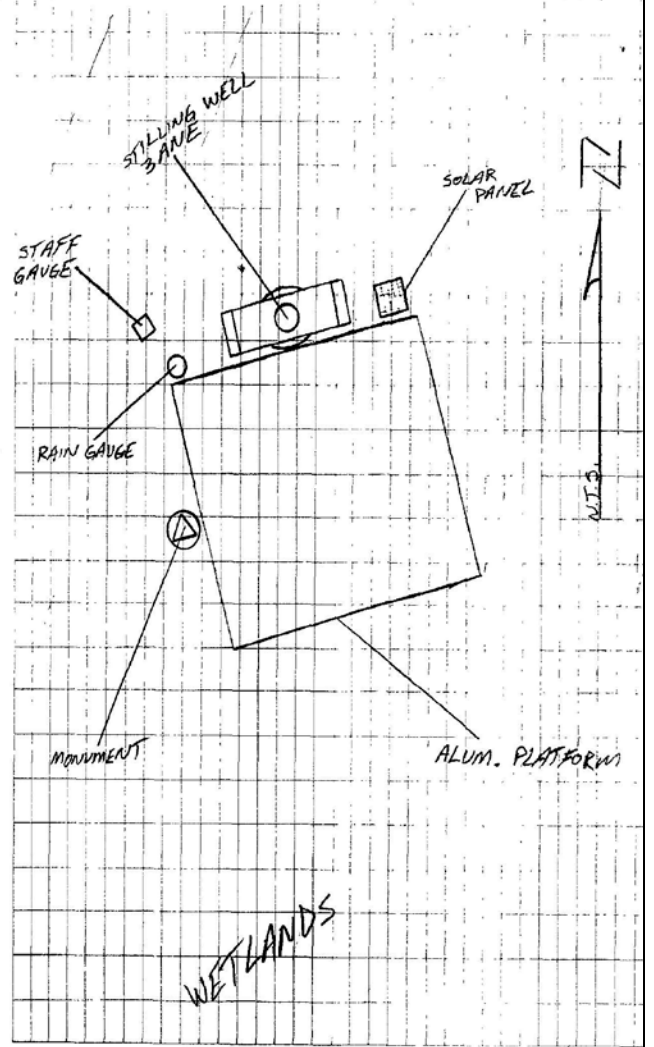
- COORDINATES TO 3ANE STILLING WELL
LAT: 26° 16' 07.92"
LONG: 80° 36' 52.37"

- MONUMENT SET 4.6 FT. SW OF STILLING WELL
" " " 2.5 FT. BELOW PLATFORM
" " " 0.52 FT. SW OF PLATFORM

- PICTURE #S 101-0050, 52, 53, 54, 55, 56, 57, 58

- STAFF GAUGE @ 11:30 PT @ 10:30 A.M.

- ROD RECESSED 0.8' AND A MAGNET
WAS SET INSIDE LOGO CAP.



3ANE



Nick Miller, Inc.
Date of Photo: September 6, 2006
View: Looking at the benchmark facing east

3ANE

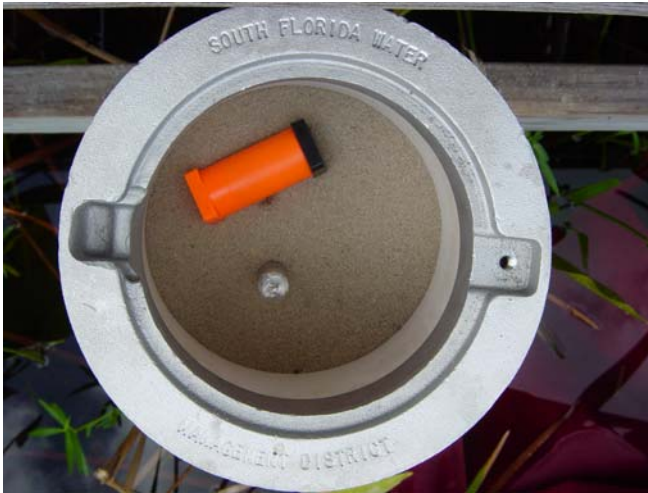


Nick Miller, Inc.
Date of Photo: September 6, 2006
View: A top view of the benchmark

PROJECT RESULTS

The following tables list the elevations established for each new mark, the level run misclosure, “to-reach” description for each mark and a photo of the mark. All elevations are in US Survey Feet.

3A10		Elevation:	13.23	(NAVD 88)	14.67	(NGVD 29)
Bench Mark 1:	Z 497		11.25 ft	(NAVD 88)	12.72 ft	(NGVD 29)
Bench Mark 2:	U 501		25.24 ft	(NAVD 88)	26.68 ft	(NGVD 29)
Bench Mark 3:	FLGPS 64 AZ MK		9.80 ft	(NAVD 88)	11.25 ft	(NGVD 29)
Bench Mark 4:	N 410 X		12.70 ft	(NAVD 88)	14.16 ft	(NGVD 29)
Monitoring Well:	Reference Mark		16.91 ft	(NAVD 88)	18.35 ft	(NGVD 29)



To Reach 3A10:
 FROM THE JUNCTION OF US 27 AND INTERSTATE 75. GO NORTH ON US 27 FOR 2.5 MILES TO AIRBOAT TOUR FACILITY ON RIGHT. GO EAST FOR +/-450 FEET TO BOAT RAMPS. FROM BOAT RAMPS HEAD 18.65 MILES BY AIRBOAT AT AN AZIMUTH OF 287° 41' 38" TO MARK.. LOCATED 0.50 FEET EAST OF EAST EDGE OF PLATFORM, 2.5 FEET SOUTH OF NORTHEAST CORNER OF PLATFORM, AND IS RECESSED 0.5 FEET BELOW PLATFORM. MAGNET PLACED INSIDE 6 INCH PVC CASING. ROD DEPTH IS 4.75 FEET.
 "3A10" IS A SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) 9/16 INCH STAINLESS STEEL ROD SET INSIDE A 6 INCH PVC PIPE ENCLOSURE COVERED WITH AN ACCESS HATCH.

3ANE		Elevation:	11.25 ft	(NAVD 88)	12.71 ft	(NGVD 29)
Bench Mark 1:	Z 497		11.25 ft	(NAVD 88)	12.72 ft	(NGVD 29)
Bench Mark 2:	U 501		25.24 ft	(NAVD 88)	26.68 ft	(NGVD 29)
Bench Mark 3:	FLGPS 64 AZ MK		9.80 ft	(NAVD 88)	11.25 ft	(NGVD 29)
Bench Mark 4:	N 410 X		12.70 ft	(NAVD 88)	14.16 ft	(NGVD 29)
Monitoring Well:	Reference Mark		17.14 ft	(NAVD 88)	18.60 ft	(NGVD 29)



To Reach 3ANE:
 FROM THE JUNCTION OF US 27 AND INTERSTATE 75. GO NORTH ON US 27 FOR 2.5 MILES TO AIRBOAT TOUR FACILITY ON RIGHT. GO EAST FOR +/-450 FEET TO BOAT RAMPS. FROM BOAT RAMPS HEAD 12.15 MILES BY AIRBOAT AT AN AZIMUTH OF 300° 48' 24" TO MARK.
 LOCATED 4.6 FEET SOUTHWEST OF CORRIGATED PIPE FOR MONITORING WELL, 0.55 FEET WEST OF WEST EDGE OF PLATFORM, AND IS RECESSED 2.5 FEET BELOW PLATFORM. MAGNET PLACED INSIDE 6 INCH PVC CASING. ROD DEPTH IS 15.12 FEET.
 "3ANE" IS A SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) 9/16 INCH STAINLESS STEEL ROD SET INSIDE A 6 INCH PVC PIPE ENCLOSURE COVERED WITH AN ACCESS HATCH.