

hrc 31 twp 48 Rge 36 Ebanks Snyder

Verify Ref elev. for G-3ANW STAGE WELL
And Establish Ref elev for G-3ANW Crw.

BMA	+	H.I.	-	Elev	Remarks
Bm G-3ANW				13.300	FWD.
				+ 0.525	TO TOP CASING
				<u>13.825</u>	TOP CASING
				- 1.730	TO WATER
				<u>12.095</u>	water STAGE
FOR GW well				DTW = 9.56	+ 8.560
				- 1.00	<u>20.655</u> TOP CASING
				8.56	19" PVC
				- 0.760	R TO REF
				<u>19.895</u>	PT. TOP 4" PVC well

FOR STAGE WELL	DTW = 9.00	12.095
	.42	+ 8.58
	<u>8.58</u>	<u>20.675</u>
		(20.70) TAG

Note: Replace TAG.
(20.675)

hrc 3. twp 49 Rge 36

Ebanks Snyder

Verify Ref. elev for well G-3A10 and
Establish TAG for well.

BMA	+	H.I.	-	Elev	Remarks
Bm 3A10				14.67	FWD.
				+ 0.31	TO TOP OF CASING
				<u>14.98</u>	TOP CASING
				- 2.98	TO WATER
				<u>12.00</u>	water elev

DTW	8.00	12.00 (water elev)
	- 1.65	+ 6.35
	<u>6.35</u>	<u>18.35</u> Ref. elev. (set TAG)
		(18.30) written magic marker

Note: Staff Read 12.00



06.11.2009



06-11-2009

G 3ANW GW
ELEV. 19.895
DATE 8 11 09
BY EE KS
NAVD *NGVD 29

REF PT
TOP
4.5 M
DIVE

06.11.2009

G3ANW W
ELEV. 20.675
DATE 6 11 09
BY EE KS
NAVD NGVD 29

15 TO NAVD 1988

06.11.2009



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

COUNTY Broward		PROJECT G3ANW Well Site		DESIGNATION "G3ANW 2007"	
SECTION <u>None</u>		TOWNSHIP <u>None</u>		RANGE <u>None</u>	
GEOGRAPHIC INDEX OF QUAD					
Established by <u>Keith and Associates</u>			NAME OF QUADRANGLE <u>Goddens Strand</u>		
SURVEYOR <u>D. Ferels</u> DATE <u>09/10/2007</u>			FIELD BOOKS <u>273</u> PAGE <u>54</u> and <u>279</u> PAGE <u>20</u>		
HORIZONTAL DATUM: 1983/99 ZONE E					
VERTICAL DATUM: NGVD 1929 and NAVD 1988 Benchmark was established by GPS					
CONTROL ACCURACY: HORIZONTAL Third VERTICAL Third					
STATE PLANE COORDINATES		X 728423.2	Y 702587.7	NGVD 1929 EL. <u>13.3'</u>	
				NAVD 1988 EL. <u>11.9'</u>	
LATITUDE 26°15'59.1"			LONGITUDE -80°46'46.2"		
DESCRIPTION					
To Reach:					
Benchmark is accessible only by buggy, airboat or helicopter and is located approximately 7.3 miles north of Interstate 75 and 4.7 miles east of Lemon Grove Road (C.R. 833). The benchmark is a stainless steel rod driven to refusal at a depth of 10' ± encased in a 6" PVC pipe backfilled with rock with a 6" logo cap glued atop and stamped G3ANW 2007.					
The benchmark and PVC pipe are located 8.0' east of the S.E. corner of the well platform and 5.7' S.W. of the staff gauge.					
Notable Land marks:					

SKETCH

See Attached photos.



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01



Benchmark
G3ANW 2007



G3ANW WELL SITE



09/7/07

Keith and Associates, Inc.

Site Benchmark G3ANW 2007

G3ANW WELL SITE



09/7/07

Keith and Associates, Inc.

Site Benchmark G3ANW 2007

G3ANW WELL SITE



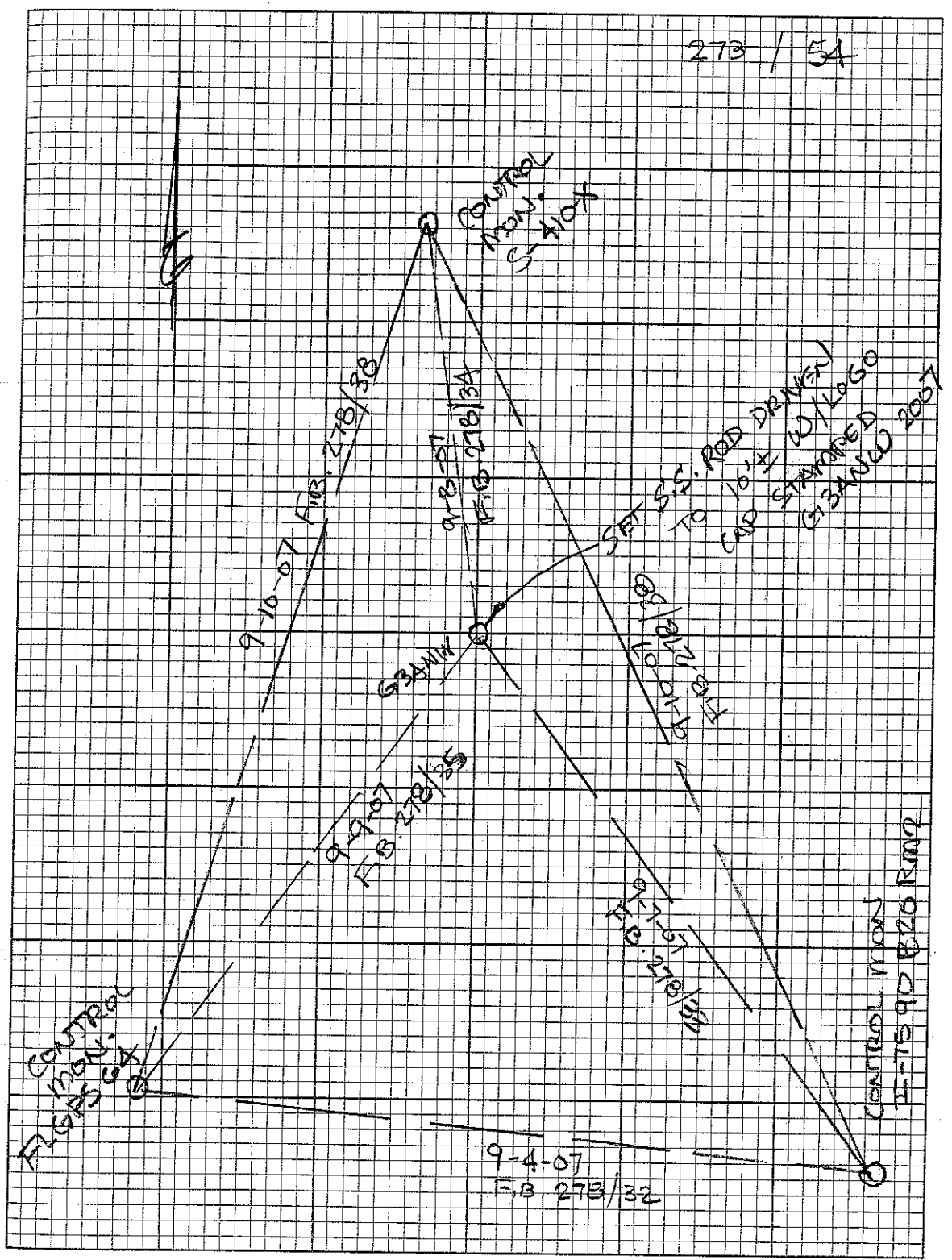
09/7/07

Keith and Associates, Inc.

Staff Gauge

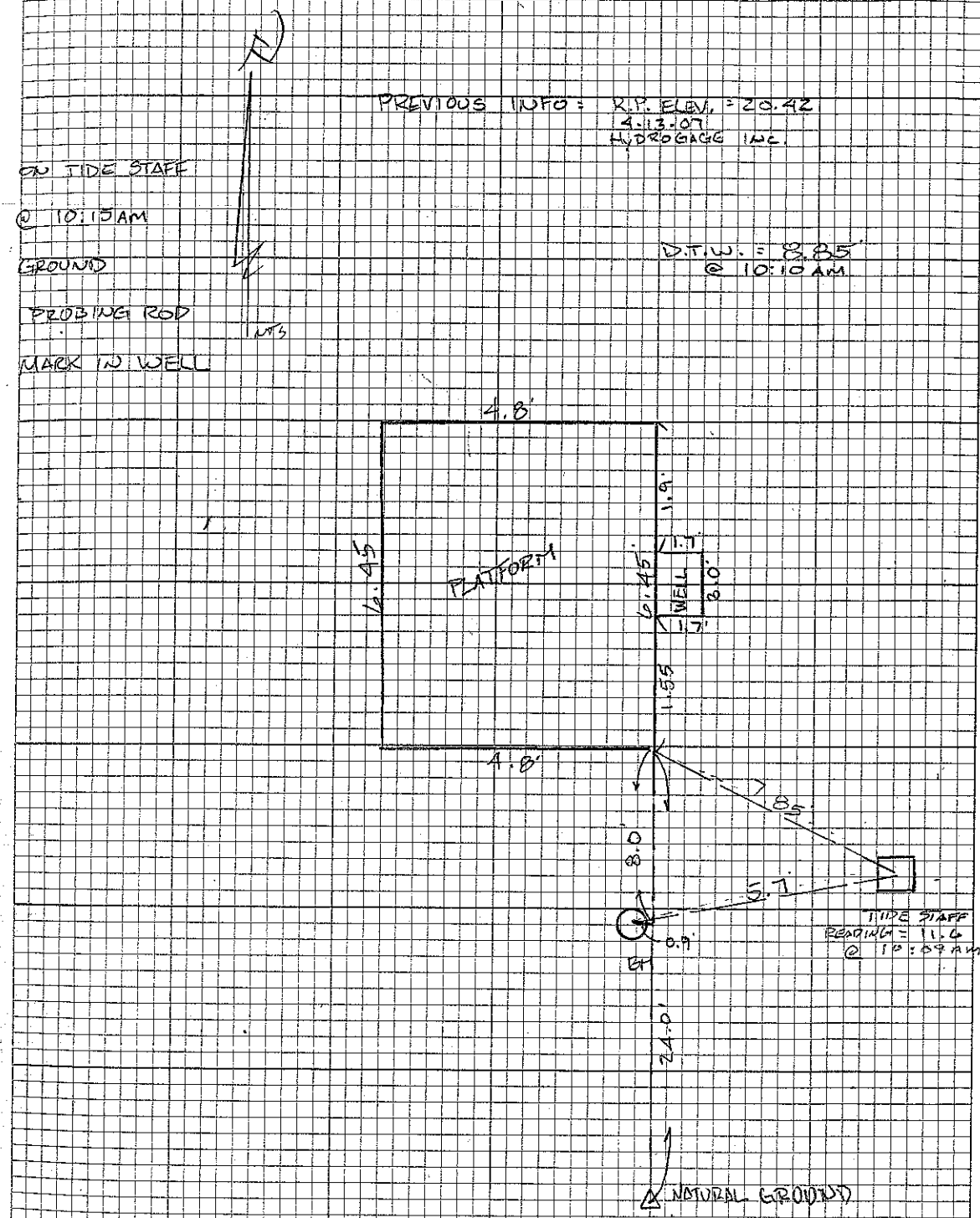
SFWMD 07050-04
G3ANW GPS OBSERVATIONS

9-4-07 0220280228 HI = 5.41' 1.649m	FB 278/32 FILES (2470)	9-10-07 022028 HI = 5.58' 1.701m	FB 278/31 FILES (2530)
0220279869 HI = 2.09'	FILES (2510)	022028 HI = 3.31'	FILES (2500)
9-7-07 022028 HI = 3.42'	FB 278/33 FILES (2510)	022028 HI = 3.08'	FILES (2520)
9-8-07 022028 HI = 3.42'	FB 278/34 FILES (2510)	022028 HI = 5.52'	FILES (2520)
9-9-07 022028 HI = 3.08'	FB 278/35 FILES (2520)		



10-4-07
 FERRELLS
 GREENS
 S. F. W. 19. D.
 G3ANW
 GPS "G3ANW LOC. "

	+	HI	-	NGVD 1929 ELEV'	
BM	2.630	15.940		13.31	G3ANW
T.S.			2.670	13.27	13.0 MARK
T.O.W.			4.070	11.87'	TOP OF WATER
N.G.			4.870	11.57	NATURAL
REFUSAL			3.000	12.94	TOP OF 4.12
WELL (T.P.)	EM. 520	16.160	(+) 2.740	20.68	FUD <input checked="" type="checkbox"/>
BM			2.85	13.31	G3ANW





South Florida Water Management District Benchmark Database

Report run on: March 17, 2008 3:37 PM

Designation: G3ANW	Latitude: 261559.100	Scaled values only
County: BROWARD	Longitude: 804646.200	
USGS Quad: GODDENS STRAND	Monument By: KEITH AND ASSOCIATES	
Project: G3ANW WELL SITE	Year: 2007	
Sec: 31 Twp: 48 Rge: 36	Type: H/V	
Status:	Stamping: G3ANW 2007	
NAD 1927 Coordinates:	Party Chief:	
N =	Field Book 273	
E =	Page: 54	
Adjustment:	NGVD 1929	
NAD 1983 Coordinates:	Elevation: 13.300	
X = 728423.200	Order: 3	
Y = 702587.700	Class:	
Adjustment:	NAVD 1988	
Order:	Elevation: 11.900	
Class:	Order: 3	
	Class:	

Description:

TO REACH: BENCHMARK IS ACCESSIBLE ONLY BY BUGGY, AIRBOAT OR HELICOPTER AND IS LOCATED APPROXIMATELY 7.3 MILES NORTH OF INTERSTATE 75 AND 4.7 MILES EAST OF LEMON GROVE ROAD (C.R. 833). THE BENCHMARK IS A STAINLESS STEEL ROD DRIVEN TO REFUSAL AT A DEPTH OF 10' ± ENCASED IN A 6" PVC PIPE BACKFILLED WITH ROCK WITH A 6" LOGO CAP GLUED ATOP AND STAMPED G3ANW 2007. THE BENCHMARK AND PVC PIPE ARE LOCATED 8.0' EAST OF THE S.E. CORNER OF THE WELL PLATFORM AND 5.7' S.W. OF THE STAFF GAUGE.