

Stage Recorder Site: C2GSW1

Party Chief: Jose Mendoza	Field Book Number: 612/ BK 10	Page Number: 42
Benchmark Elevation (NAVD 88): 6.243	Date of Field Work: October 27, 2015	Datum Offset to NGVD 29: +1.56
Benchmark Agency: SFWMD	Benchmark Type: Aluminum Disk	Benchmark Stamp: C2GSW1 BM 2015
Reference Elevation (NAVD88): 9.313	Existing Tag Elevation (Datum): 10.94 NGVD29	
Latitude: 25° 41' 57.17"	Longitude: 80° 21' 38.369"	
Notes: Datum difference SFWMD +1.56 FIELD +1.627 checked thru bench run.		
Removed Old Board: No existing gauge at site.		

Photographs:

Overall Site:



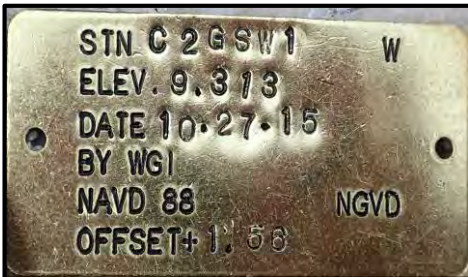
Benchmark Location:



Benchmark Close Up:



Brass Tag Close Up:



Reference Mark:



Brass Tag & Reference:



New Staff Gauge:

Front View:



Side View:





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION C2GSW1	PROJECT VDUP
ESTABLISHED BY WANTMAN GROUP	SURVEYOR DEREK ZEMAN
RECOVERED BY	DATE October 13, 2015

GEOGRAPHIC POSITION

SECTION 32	TOWNSHIP 54S	RANGE 40E
-------------------	---------------------	------------------

COUNTY MIAMI-DADE	NAME OF QUADRANGLE SOUTH MIAMI
--------------------------	---------------------------------------

HORIZONTAL DATUM: 1927 1983 Other _____ (circle one) **ZONE** E or W

VERTICAL DATUM: MSL 1929 1988 Other _____ (circle one)

CONTROL ACCURACY: HORIZONTAL 1 2 3 SUB-METER (circle one) VERTICAL 1 2 3

STATE PLANE COORDINATES	X	Y	NAVD 88 ELEV. <u>6.243</u>
			NGVD 29 ELEV. _____

LATITUDE 25° 41' 57.17" **LONGITUDE** 80° 21' 38.37"

RECOVERY DESCRIPTION

Stamping: C2GSW1 BM 2015

To Reach: FROM THE INTERSECTIOPN OF SW 72nd ST. AND SW 107th AVE. GO EAST ON SW 72nd ST. AND TURN RIGHT AFTER CROSSING C2 CANAL, HEAD S.E. PARALELING THE C2 CANAL ON THE NORTH SIDE FOR 0.20 MILES TO A SFWMD GATE. GO THRU THE GATE AND CONTINUE ALONG THE C2 CANAL FOR 200FT +/- TO THE C2GSW1 STILLING WELL IN A FENCED AREA AND THE BENCH MARK

BENCH MARK IS A SFWMD ALUMINUM DISK SET IN CONCRETE SLAB OF WELL

Notable Land marks: STATION C2GSW1

FIELD BOOK 602 **PAGE** 44-46

SKETCH





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION CG2SW1 BM2	PROJECT VDUP
ESTABLISHED BY WANTMAN GROUP	SURVEYOR DEREK ZEMAN
RECOVERED BY	DATE October 13, 2015

GEOGRAPHIC POSITION

SECTION 30	TOWNSHIP 54S	RANGE 40E
COUNTY MIAMI-DADE	NAME OF QUADRANGLE SOUTH MIAMI	
HORIZONTAL DATUM: 1927 1983 Other _____ (circle one) ZONE E or W		
VERTICAL DATUM: MSL 1929 1988 Other _____ (circle one)		
CONTROL ACCURACY: HORIZONTAL 1 2 3 <u>SUB-METER</u> (circle one) VERTICAL 1 2 3		
STATE PLANE COORDINATES	X	Y
		NAVD 88 ELEV. <u>6.066</u>
		NGVD 29 ELEV. _____
LATITUDE 25° 42' 22.95"		LONGITUDE 80° 22' 28.51"

RECOVERY DESCRIPTION

Stamping: CG2SW1 BM2 2015

To Reach: FROM THE INTERSECTIOPN OF SW 72nd ST. AND SW 107th AVE. GO NORTH ON SW 107th AVE. CROSSING C2 CANAL AND TURN LEFT ON N. SNAPPER CREEK DR. GO N.W. ON N. SNAPPER CREEK DR. PARALELING THE C2 CANAL FOR 0.59 MILES TO THE ROAD TURNS AND BECOMES SW 112th AVE. THE BENCH MARK IS SET IN A CONCRETE SIDEWALK WEST OF THE ROAD, AT THE INTERSECTION +/- OF THE CONCRETE AND ASPHALT WALKS. ASPHALT WALK (SNAPPER CREEK TRAIL) PARALELS CANAL BENCH MARK IS A SFWMD ALUMINUM DISK

Notable Land marks: C2 CANAL AND SNAPPER CREEK DR.

FIELD BOOK 602 **PAGE** 44-46

SKETCH





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION PR47	PROJECT VDUP
ESTABLISHED BY WANTMAN GROUP	SURVEYOR DEREK ZEMAN
RECOVERED BY	DATE October 13, 2015

GEOGRAPHIC POSITION

SECTION 30	TOWNSHIP 54S	RANGE 40E
------------	--------------	-----------

COUNTY MIAMI-DADE	NAME OF QUADRANGLE SOUTH MIAMI
-------------------	--------------------------------

HORIZONTAL DATUM: 1927 1983 Other _____ (circle one) ZONE E or W

VERTICAL DATUM: MSL 1929 1988 Other _____ (circle one)

CONTROL ACCURACY: HORIZONTAL 1 2 3 SUB-METER (circle one) VERTICAL 1 2 3

STATE PLANE COORDINATES	X	Y	NAVD 88 ELEV. <u>8.809</u>
			NGVD 29 ELEV. _____

LATITUDE 25°42'9.16" LONGITUDE 80°22'1.80"

RECOVERY DESCRIPTION

Stamping: PR47 1979 BM

To Reach: FROM THE INTERSECTIOPN OF SW 72nd ST. AND SW 107th AVE. GO NORTH ON SW 107th AVE. CROSSING C2 CANAL AND TURN LEFT ON N. SNAPPER CREEK DR. GO N.W. ON N. SNAPPER CREEK DR. PARALELING THE C2 CANAL FOR 340FT +/- TO A BRIDGE (#874436) CROSSING A DITCH FROM THE C2 CANAL, THE BENCH MARK IS ON THE S.W. CORNER OF THE BRIDGE AT THE END OF A CONCRETE WALK ALONG THE BRIDGE.

BENCH MARK IS A FOUND SFWMD ALUMINUM DISK

Notable Land marks: C2 CANAL AND SNAPPER CREEK DR.

FIELD BOOK 602 PAGE 44-46

SKETCH



SOUTH FLORIDA WATER MANAGEMENT DISTRICT



Survey Data Entry
and Retrieval Application

Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By: **

Designation	PR48	Record State	ACCEPTED
NGS PID			
Project Name	S-121	Date Entered/Updated	10/12/2015
Updated By	hehmke	Status	GOOD
Party Chief		Type	V
Monument Set By	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	Date Established	01/01/1979
County	MIAMI-DADE COUNTY	Section	32
Township	54	Range	40
Quadrangle	SOUTH MIAMI	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

Horizontal	NAD 1927	NAD 1983	Vertical	NGVD 1929	NAVD 1988
Latitude		25 41 12.0	Class		
Longitude		80 21 40.0	Order	3	3
Northing(Y)			Elevation	7.217	5.673
Easting(X)			Measurement Unit	Feet	Feet
Class					
Order					
NAD83 Adj Year					

Field Book

TAPES

Field Book Pages

Stamping

PR 48 1979

How to Reach

***** Recovery Note *****
 6/15/2000 R. Bickham, Keith & Schnars, STRIVE program, Structure 121, field book 1021, page 39 found S.F.W.M.D. stamped PR 48 1979 BM;
 Keith & Schnars under contract C-10923WO6 established an El.5.626 on this monument by running a vertical level loop from FCE 1471 Reset through this monument and ending on NGS V269.

 Located on the north face of Structure 121 and approximately 7 feet East of the East side of the gate.

Description

DISCLAIMER:

The South Florida Water Management District (hereinafter referred to as the DISTRICT) shall not be held liable for improper or incorrect use of the data, information, apparatus, products, processes or materials described and/or contained herein. These data, information, apparatus, products, processes, materials and related graphics are not legal documents and are not intended to be used as such. The user hereby recognizes that the information, data, apparatus, products,



Survey Data Entry and Retrieval Application (SDERA) Print Output

Control Point Search Results

Derived Data - Denoted By: **

Designation	C2SW1	Record State	ACCEPTED
NGS PID			
Project Name	C-0002	Date Entered/Updated	06/27/2009
Updated By	ATLAS DATA LOAD	Status	GOOD
Party Chief	GIAMMARCO	Type	V
Monument Set By	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	Date Established	01/01/2002
County	MIAMI-DADE	Section	30
Township	54	Range	40
Quadrangle	SOUTH MIAMI NW	Offset (29 to 88)	
NGS Source BM		CCR Link	
Ctrl Pt Source(s)			

Horizontal	<u>NAD 1927</u>	<u>NAD 1983</u>	Vertical	<u>NGVD 1929</u>	<u>NAVD 1988</u>
Latitude			Class		
Longitude			Order	3	3
Northing(Y)		500767.9	Elevation	8.23	6.682
Easting(X)		859747.36	Measurement Unit	Feet	Feet
Class					
Order					
NAD83 Adj Year					

Field Book
19M

Field Book Pages
47

Stamping
C2SW1

How to Reach

Description

OLD SFWMD EL. 8.31 NGVD 1929

***** RECOVERY NOTE *****

4/21/2005 KEITH & SCHNARS LEVEL RUN ALONG C-2 FROM NGS BM V-269 THROUGH C2SW2

(AND OTHERS) TO NGS BM N33

EL. 6.6820 NAVD 88, EL. 8.2298 NGVD 1929

TO REACH: FROM THE TURNPIKE ENTRANCE IN LAKE WORTH TAKE THE TURNPIKE SOUTH BOUND APPROXIMATELY

68 MILES TO EXIT 25 (SW 8TH STREET). TAKE SW 8TH STREET EXIT 0.5 MILES TO LIGHT AT THE INTERSECTION OF S.W. 117TH AVENUE; TURN RIGHT FOLLOW S.W. 117TH AVENUE SOUTHERLY APPROXIMATELY 1.7 MILES TO THE INTERSECTION OF S.W. 32 STREET, CONTINUE SOUTHERLY 0.3 MILES TO SW 3700 TURNPIKE ENTRANCE NORTH BOUND, CONTINUE SOUTHERLY ALONG SW 117TH AVENUE, 0.2 MILES TO ___; FOLLOW THE ROAD SOUTHERLY

AND EASTERLY TO THE INTERSECTION OF SW 116TH AVENUE AND NORTH SNAPPER CREEK

BENCH MARK IS 22.7 FEET SOUTH OF THE SOUTH EDGE OF PAVEMENT OF NORTH SNAPPER CREEK AND 16.2 FEET WEST OF THE CENTERLINE EXTENDED OF SW 116TH AVENUE.

STATION IS A 1 1/4 - INCH IRON PIPE WITH A SOUTH FLORIDA WATER MANAGEMENT DISTRICT ALUMINUM CAP IN CONCRETE STAMPED C2SW1 2002

NOTE THE NUMBER 1 IS STAMPED UPSIDE DOWN, ALSO WHEN YOU MAKE A COPY PLEASE INCLUDE BACK AND DIAGRAM.

THE ELEVATION IS BASED ON A LEVEL RUN FROM DADE COUNTY BENCH MARK P578 EL. 10.38 NGVD 1929.

THE COORDINATES TAKEN FROM SFWMD DRAWING C-2 CANAL SPECIFIC PURPOSE SURVEY, STUDY WELLS AND CROSS SECTIONS, FIELD DATE MAY 22, 2002.

DISCLAIMER:

The South Florida Water Management District (hereinafter referred to as the DISTRICT) shall not be held liable for improper or incorrect use of the data, information, apparatus, products, processes or materials described and/or contained herein. These data, information, apparatus, products, processes, materials and related graphics are not legal documents and are not intended to be used as such. The user hereby recognizes that the information, data, apparatus, products, processes and materials are dynamic and may change over time without notice. However, the DISTRICT makes no commitment to update the information, data, apparatus, products, processes or materials contained herein.

Closure Report for file K:\Data Files\TDS2015\107108 Edit2 10-7-15.lev

SFWMD bench run for gauge site C2GSW1

K. Brown, E. Pryor, M. Fraser

J. Mendoza, R. Miller, J. Perez

Job No. : 1071.08
Benchmark No. : PR48 Fd SFWMD Alum Disk
Starting BM Elev. : 5.673
Ending BM Elev. : 6.682 Fd SFWMD Alum Disk
Unadjusted Ending Elev.: 6.664
Closure Error : -0.018
Length of Level Run : 13,008.40 (2.464 Miles)
Allowable Error : 0.05
Units : Feet

Datum : NAVD88

Field Book : 602 Pg 44-46

SNTT = Set nail & tin tab

Closure is within allowable tolerances

Adjustment proportional to total distance

Pt.#	Unadj. Elev.	Adj. Elev.	Description
=====	=====	=====	=====
PR48	5.673		
44-01	5.174	5.174	SNTT
44-02	5.531	5.532	SNTT
44-03	4.783	4.785	SNTT
44-04	4.810	4.813	SNTT
44-05	5.130	5.133	SNTT
44-06	5.301	5.305	SNTT
44-07	6.075	6.080	HUB
44-08	6.754	6.759	SNTT
44-09	6.600	6.606	SNTT
C2GSW1	6.236	6.243	Set SFWMD Alum Disk
44-11	6.703	6.710	SNTT
45-12	5.639	5.647	SNTT
45-13	6.746	6.754	SNTT
45-14	8.646	8.655	SNTT
45-15	6.922	6.932	SNTT
45-16	5.467	5.477	SNTT
PR47	8.799	8.809	Fd SFWMD Alum Disk
45-18	5.689	5.700	SNTT
45-19	5.469	5.481	SNTT
45-20	5.796	5.808	SNTT
45-21	5.856	5.869	SNTT
45-22	5.431	5.445	SNTT
C2GSW1#2	6.052	6.066	Set SFWMD Alum Disk
46-24	5.720	5.735	SNTT
46-25	4.901	4.917	SNTT
46-26	6.229	6.245	SNTT
46-27	6.549	6.566	SNTT
46-28	6.869	6.887	SNTT
C2SW1	6.664	6.682	Check In

107108 Edit2 10-7-15.lev
10/13/15 09:19:48

Rec	Type	(+) BS	HI	(-) FS	Elev	H Dist	Pt Num	Remark
57	BS	5.535	11.004			236.80	4419	
			00:00	BM# 4411				
58	FS			5.208	5.796	227.90	45-20	
			00:00					
59	Descriptor							SNTT
60	BS	4.821	10.617			230.50	4420	
			00:00	BM# 4411				
61	FS			4.761	5.856	235.80	45-21	
			00:00					
62	Descriptor							SNTT
63	BS	4.328	10.184			248.50	4421	
			00:00	BM# 4411				
64	FS			4.753	5.431	246.70	45-22	
			00:00					
65	Descriptor							SNTT
66	BS	4.649	10.080			194.40	4422	
			00:00	BM# 4411				
67	FS			4.028	6.052	211.40	C2GSW1#2	
			00:00					
68	BS	5.545	11.597			234.80	4423	
			00:00	BM# 4411				
69	FS			5.877	5.720	233.90	46-24	
			00:00					
70	Descriptor							SNTT
71	BS	4.708	10.428			245.70	4424	
			00:00	BM# 4411				
72	FS			5.527	4.901	246.00	46-25	
			00:00					
73	Descriptor							SNTT
74	BS	6.689	11.590			248.90	4425	
			00:00	BM# 4411				
75	FS			5.361	6.229	245.90	46-26	
			00:00					
76	Descriptor							SNTT
77	BS	4.942	11.171			251.70	4426	
			00:00	BM# 4411				
78	FS			4.622	6.549	250.50	46-27	
			00:00					
79	Descriptor							SNTT
80	BS	4.779	11.328			248.10	4427	
			00:00	BM# 4411				
81	FS			4.459	6.869	251.70	46-28	
			00:00					
82	Descriptor							SNTT
83	BS	4.715	11.584			117.30	4428	
			00:00	BM# 4411				
84	FS			4.920	6.664	118.20	C2SW1	
			00:00					

107108 Edit2 10-7-15.lev
10/13/15 09:19:48

Rec	Type	(+) BS	HI	(-) FS	Elev	H Dist	Pt Num	Remark
85	Level Close				6.664	13,008.40		
		80-01-06 00:00		Job# St 1; BM# 4429; total Z 0.991				total HD:13,008.40
86	Close Job							St 1
		80-01-06 00:00						

10-27-15 SFWMD 80° PC

DONOHUE C26SW1
GOOTS ELEVATE WELLS

LAST

3 WIRE + H1 3 WIRE - ELEV DESC
1005 PER OFFICE
4.24 6.243 C26SW1

4.18 4.18 10.423

4.12

12.54

1.17

1.11 1.11 9.313 MARK @ WELL

1.05

3.33

1.01

.95 .95 10.263

.89

2.85

4.08

4.02 4.023 6.24 VIN @ SITE RM

3.97

12.07

SET GAUGE

6.243 C26SW1

10.263

8.70 1.563 H2O @ 10:36 AM

12.22 7.957 NG @ PIPE

5.38 4.883 TOP OF SET GAUGE

BROKE SET UP

5.72 10.603

4.36 6.243 VIN @ SITE RM

BS
RH

BS
DIST

FS
RH

FS
DIST

ELEV

DESC

6.243 SFWMD DISK STAMPED

4.502 149.8

4.952 209.1 5.793 SFWMD DISK STAMPED

4.768 205.2

3.852 132.3 6.709 NAIL & TIN TAB

31011071.08

612 #10

1021

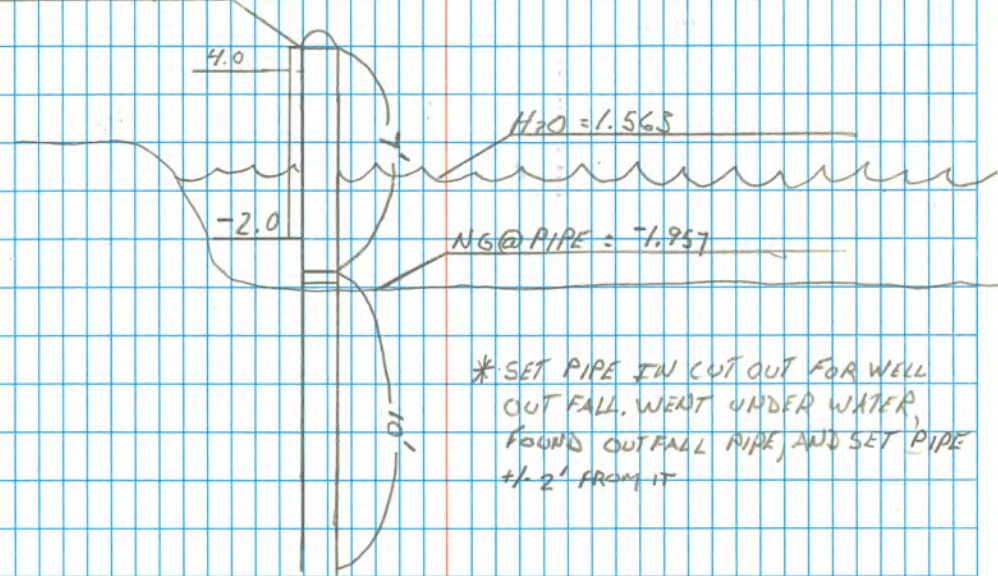
42

DATUM DIFF = 1.56

SFWMD AL DISK STAMPED C26SW1 87 2015

EXISTING TAG PUBLISHED - 10.94

TOP OF SET GAUGE = 4.88



* SET PIPE IN CUT OUT FOR WELL
CUT FALL, WENT UNDER WATER,
FOUND CUTFALL PIPE, AND SET PIPE
+/- 2' FROM IT

* NO EXISTING GAUGE

C26SW1

C-2 R/W P.O.L MARKER

TURN 11 (REF - PAGE 602/45) 10.71 ADS LEVEL ROAD
PER OFFICE

	SFWMD	6 Oct 2015
K. Brown	Benon Run	85 P. cloudy
E. Pryor	CZ & SW 1	
M. Fraser		

PR48 Elev change
Per SFWMD

BS	RH	BS	HD	Fs	RH	Fs	HD	EL	ADJ	EL	Desc
5.171		148.7						5.673			0000
				5.665		168.9		5.132			0001
5.228		249.1									
				4.871		239.9		5.489			0002
4.703		250.3									
				5.451		250.8		4.741			0003
5.360		252.6									
		900.7		5.333		250.7		4.768			0004
5.050		255.2				910.3					
				4.730		246.3		5.088			0005
4.845		249.1									
				4.674		264.1		5.259			0006
7.511		322.3									
		1727.3		6.737		280.1		6.033			0007
6.271		239.8				1700.8					
				5.592		271.4		6.712			0008
4.229		251.1									
		2218.2		4.383		251.3		6.558			0009
						2223.5					
4.821		249.4									
				5.185		147.3		6.194			0010
4.878		107.2									
				4.421		112.8		6.001			0011

DL 502731	310/1071.08	602/44
	1021	
	DL FILE: 5121	

SEE ADJUSTED RUN

SFWMD DISC stamped PR 48 1979

602/44/1 NATT

602/44/2 NATT

602/44/3 NATT

602/44/4 NATT

602/44/5 NATT

602/44/6 NATT

602/44/7 SAT

602/44/8 NATT

602/44/9

CZ & SW 1 602/44/10 SFWMD stamped CZ & SW 1 2015

602/44/11 ~~SFWMD~~ NATT

PERC FS RH	BS DIST	FS RH	FS DIST	ELEV	ADS ELEV	DESC
10-8-15						SEWMD CROSSW
MENJORA						
MILLER						
				6.661		602-44-11
4.230	237.3					
		5.294	233.8	5.597		602-45-12
5.025	249.3					
		3926	249.5	6.704		602-45-13
9.628	189.7					
		6.738	185.3	8.604		602-45-14
3.435	246.6					
		5.159	246.3	6.880		602-45-15
4.089	256.2					
		5.544	256.0	5.425		602-45-16
6.309	48.4					
		3.037	40.9	8.757		602-45-17
1.073	250.7					
		4.103	249.1	5.647		602-45-18
4.580	242.3					
		4.000	244.9	5.427		602-45-19
5.535	231.8					
		5.208	227.9	5.75 ⁴ / ₆		602-45-20
4.071	230.5					
		4.701	235.8	5.814		602-45-21
4.328	240.5					
		4.753	240.7	5.389		602-45-22
4.109	194.4					
		4.010	211.4	6.010		602-45-23

DL FILE 6265W

31011071.02

602/45

1021

END IT W/ PARKING LOT TO NW OF CROSSW

SET WOODEN ALONG CANAL

SET W/ AT W/ ASPH PARKING @ FEET OF PLAZA @ 10494 WEST END OF IS

SET NAIL & TIN TAB E.O.P. MONTEREY VILLAS

SET NAIL & TIN TAB E.O.P. @ SWAPPER DR AND SW 107AV

SET NAIL & TIN TAB W/ ASPH PATI

SEWMD ALLOW TRUCK W/ WALK OVER BRIDGE W/ BEID 874431

TRUCK STAMPED PR 27 F.P.S.M.

SET W/ AT W/ ASPH PATI ALONG SOUTH SIDE OF SWAPPER

CREEK TRAIL TYPICAL

"

"

"

SET SEWMD W/ W/ TRUCK W/ SIDE WALK \pm 75' W OF PC OF SWAPPER CONEX
 DR \pm 50' S OF PC OF SW 12 W/VE AND TO ADJUNCTION OF CONC. WALK
 @ ASPH PATI TRUCK HERE ABOVE \pm 2.9' W OF WOOD PILE

10-8-15
 WENDRA
 MILLET
 PEREZ

SFWMD

25° C10

FS TH	BS THT	CROWN FS RH	COUNT FS DHT	ADS ELEV	ADS ELEV
					6.010 602-46-23
5.545	244.0				
		5.817	233.9	5.178	602-46-24
4.702	245.7				
		5.527	240.0	4.859	602-46-25
6.689	248.9				
		5.261	245.9	4.187	602-46-26
4.942	251.7				
		4.602	250.5	6.507	602-46-27
4.779	246.1				
		4.459	251.7	6.827	602-46-28
4.715	117.3				
		4.920	118.2	6.664	602-46-29
				vs 6.1812	FWD SFWMD

31011071.080

602/46
 PL 17

CONTINUED SETTING OUT AT 100% MESH PATH HEADINGS NW/TOWARDS
 CROWN TYPICAL

WINDMILL CREEK
 SET OUT @ S/E OF #70 W OF INTERSECTION CROWN PL

ALLOWED STAKE SETTING C25 W/ 2002 B.M.