

LEVELS TO MARTIN CO WELL # 1247

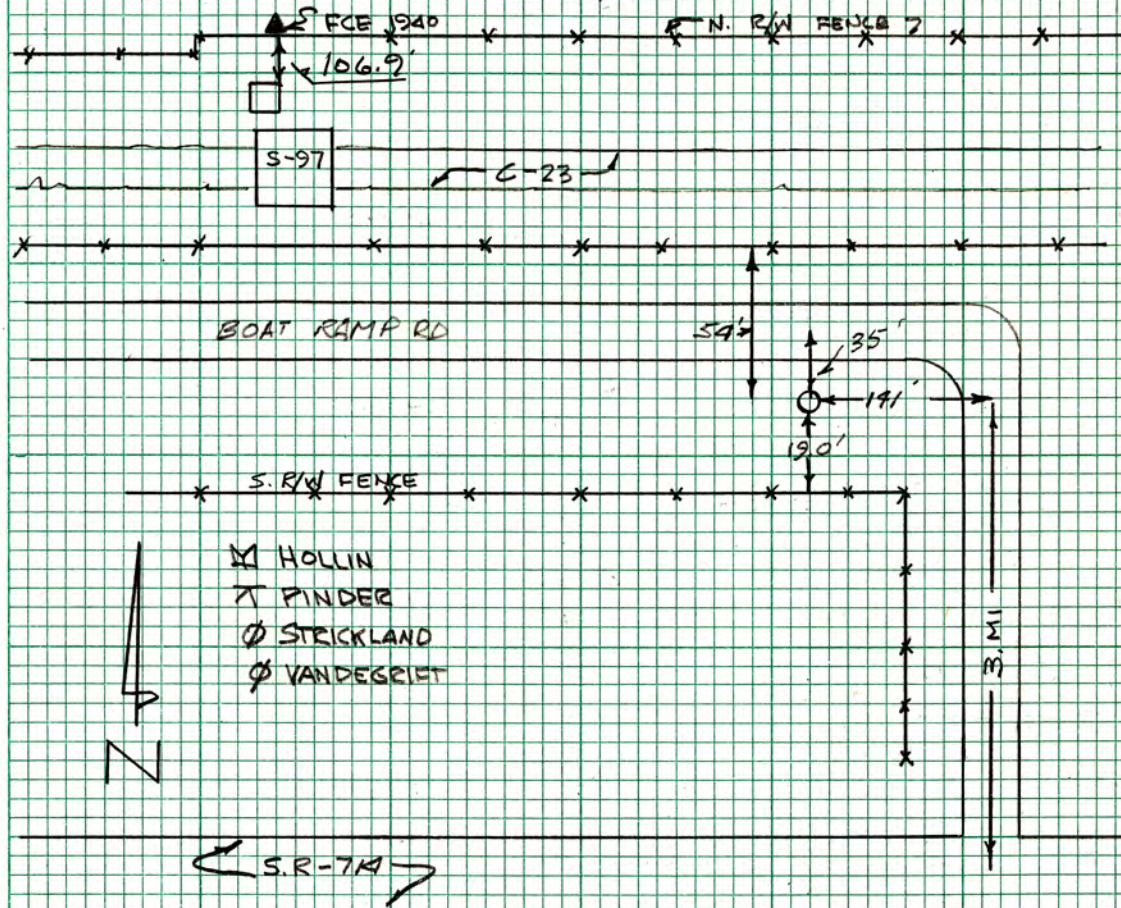
STA	+	HI	-	ELEV	BMELEV.
BM					22.21 22.123 NGVD29 20.658 NAVD 88
	9.36	31.57			
	3.50				
TP			6.23	25.34	
			1.03		
	4.13	29.47			
	3.13				
TP			4.99	24.48	
			2.27		
	5.93	30.41			
	1.33				
TP			6.11	24.30	
			1.15		
	4.82	29.12			
	2.44				
TP			5.61	23.51	
			1.65		
	4.90	28.41			
	2.36				
TP			6.20	22.21	21.653 NGVD29 20.188 NAVD88
			1.06		
	4.82	27.03			
	2.44				
WELL MARTIN Co 1247			5.27	21.16	
			2.00		

RETURN LEVELS ON PG. 17

F = 33.96 - 34.41 = 0.48
 B = 34.16 - 33.70 = 0.46
 (0.48 + 0.46) / 2 = 0.47

COMMENTS

FCE 1940 (1960) NOTE DESCRIPTION IS OBSOLETE
 NEW DESCRIPTION 2' N. OF N. ERM. R/W FENCE, 33.0 S. OF
 A POWER POLE W/ TRANSFORMER AND 106.9' N OF THE N.E. COR
 OF CONTROL BUILDING OF S-97 AND MON IS N. OF WMD METAL
 WITNESS POST AND 1.3' BELOW GRND



TOP & N. SIDE OF 2" P.V.C. WELL ELEV. IS AX-MARK PAINTED ORANGE
 WELL IS 35.0' S OF E OF BOAT RAMP RD & 141.0' W. OF C OF BOAT
 RAMP RD, 19.0' N. OF THE S. R/W FENCE OF C-23, 54.0' S.
 OF THE FENCE ON N. SIDE OF RD AND TOP OF WELL IS 0.2
 ABOVE THE LEVEL OF GRND IS SEC 4 TWP 38 RGE 40

CONT'D FROM PG-16

STA + HI - ELEV BMELEV
RETURN LEVELS

STA	HI	ELEV	BMELEV
WELL		21.76	
	5.09 2.18	26.85	
TP		4.64 2.62	22.21
	6.08 1.18	28.29	
TP		4.80 2.47	23.49
	5.53 1.73	29.02	
TP		4.72 2.54	24.30
	6.04 1.22	30.34	
TP		5.85 1.41	24.49
	4.96 2.30	29.45	
TP		4.27 2.99	25.18
	6.46 0.80	31.64	
BM		9.42 3.84	22.22 22.21

LEVELS TO WELLS CONT'D ON PG-18

22.123 NGVD29
20.658 NAVD 88

COMMENTS:

FCE 1940 (1960) SEE PG-16 FOR DESCRIPTION

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	FCE1940	Record State	ACCEPTED
NGS PID			
Project Name	S-097	Date Entered/Updated	08/05/2015
Updated By	hehmke	Status	GOOD
Party Chief		Type	H/V
Monument Set By	U.S. ARMY CORPS OF ENGINEERS	Date Established	01/01/1960
County	MARTIN COUNTY	Section	33
Township	37	Range	40
Quadrangle	PALM CITY	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		27 12 21.846 **	Class		
Longitude		80 20 26.661 **	Order	3	3
Northing(Y)	1044479.65	1044643.3	Elevation	22.123	20.658
Easting(X)	714206.91	870444.928	Measurement Unit	Feet	Feet
Class					
Order		3			
NAD83 Adj Year		1990			

Field Book

C23 5FF

Field Book Pages

Stamping

FCE 1940 1960 JAX FLA.

How to Reach

Corps of Engineers El. 22.21 NGVD 1929

**** Recovery note ****

4/27/2009 SFWMD found good condition, it is located 33 feet south of a power pole with a transformer and 106.9 feet north of the northeast corner of the control building of S-97 and the monument is 3.0 feet north of a SFWMD metal witness post with sign and 1.7 feet below ground.

**** Recovery Note ****

2/16/2001 Sonia (Nick Miller Inc. PO p101703 STRIVE field book 2, page 43, found 3-inch brass disk Corps of Engineers U.S. army FCE 1940 1960 (El. 20.658 NAVD 88)

8/11/1998 Robert Browning, field book C-23 5FF, page 65, FCE 1949 El. 22.21 NGVD 1929

3/21/1997 Robert Browning field book Canal 23 5FF, pages 39 & 45 found USCE brass cap set in concrete stamped FCE 1940 1960 1.0 foot below ground in good shape El. 22.21 NGVD 1929

1/16/1996 Art Hollin field book Canal 23 5FF, page 10, BM FCE 1940 page 6 benchmark FCE 1940 recovered as described per right of way map and description sheet in good condition.

4/07/1994 Elvie Ebanks field book Canal 23 5FF, page 1, found FCE 1940 el. 22.21

12/15/1988 Art Hollin field book Martin County Wells 6, page 16, FCE 1940 (1960) note description is obsolete new description 2 feet north of the east/west fence line near the north right of way line, 33.0 feet south of a power pole with a transformer and 106.9 feet north of the northeast corner of the control building of s-97 and monument is north of a WMD metal witness post and 1.3 feet below ground.

Station is located on Canal 23 in St. Lucie county Fla.

To reach: From the west end of the palm city bridge, go west on state road 714, 0.4 mile to a right angle turn to the South;

Thence North and West 6.9 miles on a winding road to the West side of the Sunshine State Parkway;

Thence South 0.3 mile to C-23, canal;

Thence westerly along canal on a dirt road, 0.65 mile to station location.

Station is located on a sandy bank next to a fence line, 192 feet from the North bank of the canal, S.64.5deg. W., 282 feet from a 6-inch pine tree and N. 82deg.W., 295 feet from water pump. Mark is a Corps of Engineers bronze disk set on top of a 3 inch iron pipe in concrete projecting 1.5 feet above the ground and stamped FCE 1940-1960 Jacksonville Fla. .

The Corps of Engineers data sheet

Monument id: FCE 1940

Locality-project : c-23 monument type : disk

Latitude : 0? 0 0.00000 longitude : 0? 0 0.00000

x(e) : 714206.910 y(n) : 1044479.650

Zone : fle elevation : 22.2100

Horizontal datum: nad-27 vertical datum : ngvd-29

Order : third linear units : feet

State : FL date set : 1960

Monument set by: USACOE county : St Lucie

Date added : 911114 date changed : 030828

Recovered by:

Company (1) (2)

Person (1) (2)

Date (1) (2)

Condition (1) (2)

Station is located on canal 23 in St. Lucie County, Florida.

To reach from the West end of the Palm City Bridge go west on state road 714, 0.4 mile to a right angle turn to the south, thence north and west 6.9 miles on a winding road to the west side of sunshine state parkway, thence south 0.3 mile to c-23, canal, thence westerly along canal on a dirt road, 0.65 miles to station location.

Station is located on sandy bank next to a fence line, 192 feet from north bank of canal south 64-1/2 degrees west 282 feet from a 6 inch pine tree and north 82 degrees west 295 feet from a water pump.

Mark is a USACOE bronze disk set in top of a 3 inch iron pipe embedded in concrete and projecting 1.5 above the ground.

Description

A USACOE bronze disk set in top of a 3 inch iron pipe embedded in concrete and projecting 1.5 above the ground.

DISCLAIMER:

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State: Florida	County: St. Lucie	Name & No. of Station: FCE-1940
Type of Control: Traverse-Leveling	Order of Accuracy: Third	
Geographic Index of Quad: NG 17-2, 85	Name of Quadrangle:	
Year established or recovered: 1960	Elevation of Station: 22.21	
Agency by whom established or recovered: Corps of Engineers		
Adjusted on Horizontal N.A. Datum, 1927: Yes - No	Other Datum:	
Adjusted on Vertical M.S.L. Datum, 1929: Yes - No	Other Datum:	
Latitude	Longitude	
To Station	Geodetic Azimuth	Back Azimuth
Mercator East Coordinates * X	714,206.91	Y 1,044,479.65
To Station	Plane Azimuth	Δ α
Military Grid Coordinates	Zone: X	Y

Description of location, route to station and reference marks.

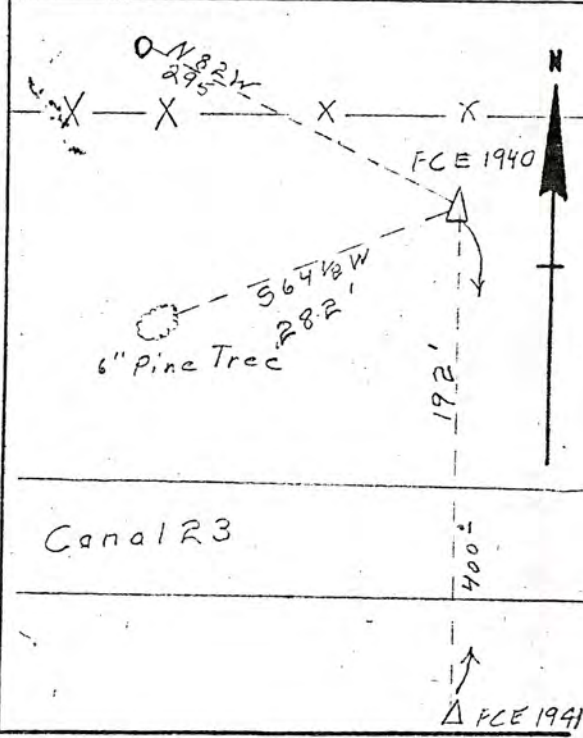
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Station is located on sandy bank next to a fence line, 192 feet from north bank of canal; S. $64\frac{1}{2}^{\circ}$ W, 282 feet from a 6-inch pine tree and N. 82° W, 295 feet from a water pump.

Mark is a Corps of Engineers bronze disk set on top of a 3-inch iron pipe embedded in concrete and projecting 1.5 feet above the ground and stamped "FCE 1940 - 1960 - JACKSONVILLE, FLA."

Sketch, Map or Photo of Sta.



S-48 & S97 S.F.W.M.D.

CONTROL BENCH RUN

DATUM = NAVD 1988

PNT	+	DIST	-	DIST	HGT
	4.352	230.84			
62			5.515	244.55	17.762
	6.176	248.49			
63			3.851	238.49	20.087
	4.684	248.84			
64			2.314	243.11	22.457
	5.496	197.92			
65			0.733	259.37	27.221
	1.295	67.59			
66			7.842	61.83	20.674
	8.662	90.34			
67			3.822	100.40	25.514
	2.489	192.75			
68			3.792	134.73	24.211
	3.760	255.70			
69			4.773	256.44	23.198
	4.004	259.37			
70			5.353	259.96	21.849
	4.665	252.60			
71			6.329	259.81	20.185

2-16-01

STRIVE 2-43

SONIA, LAPOLLA, MCGEE

ADJ HGT	REMARKS
17.748	
20.073	
22.443	
27.205	
20.658	- FD 3" BRASS DISK "CORPS OF ENGINEERS, US ARMY FCG 1940 1960"
25.498	- FD 3" BRASS DISK N. HEADWALL S-97 - NO DESIGNATION COE
24.195	
23.181	
21.832	
20.168	