

Aerial of Site

Not to scale (ESRI product

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

					Rev. 1/16	
SCADA RTU Station Name: MF37 GWFL1 MF37 GWFL2	DB Hydro Station Nam MF37_U MF32_L	DB Hydro Site I MF37	DB Hydro Site Name: MF37		Dates of Field Work: 06/18/2020	
Party Chief: N.Strickland	Party Chief: N.Strickland Field Book MISC FB 7G			Page(s): 62 Report Prepared by: A.SCHAU		
Surveyors Notes:		Surveyor's Cert	ification:			
	SITE	SPECIFIC DATA				
Reference Elevation(s) (NAVD88): MF37_U = 24.12 feet MF37_L = 27.00 feet	Site Benchmark(s)/Elec MF37 2020 = 22.40 fee			chmark(s) /E = 31.43 feet	Elev(s) (<i>NAVD8</i> 8):	
Verification Port Elev(s) (NAVD88): MF37_U = 24.10 feet MF37_L = 27.03 feet	Ground Elevation (NAN NE Ground = 22.08 fee SE Ground = 21.28 fee SW Ground = 21.88 fe NW Ground = 21.88 fe	et NE Pad = 22.37 et SE Pad = 22.38 et SW Pad = 22.38	feet feet 3 feet	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29): +1.19 feet		
		GRAPHIC DATA				
	Section 14 Towns	ship 40 South Range	37 East			
Latitude: MF37_U = 26°59′28.9″ MF37_L = 26°59′28.9″ MF37_L = 26°59′28.9″ Position (horizontal) Source: ESRI Pick Point & Garmin		Longitude: MF37_U = -80°	Longitude: MF37_U = -80°36'16.4" MF37_L = -80°36'16.3"): Easting (X): N/A	
Handheld GPSMAP78 Notes: NAVD88 – North American Vertica Engineering Research and Development Cei between datum's using vertcon05.txt and v	nter Topographic Engineering Cente vertcon05.05 files supplied by the U	er Alexandria, Virginia Window J.S. Army Corps of Engineers Sc	s-based program	n to convert coo	ordinates and elevations	
		PICTURES				
Latitude:	2'28.9"	MF-37L		FLA.	ER MANAGURV GURV AN F37 2020	

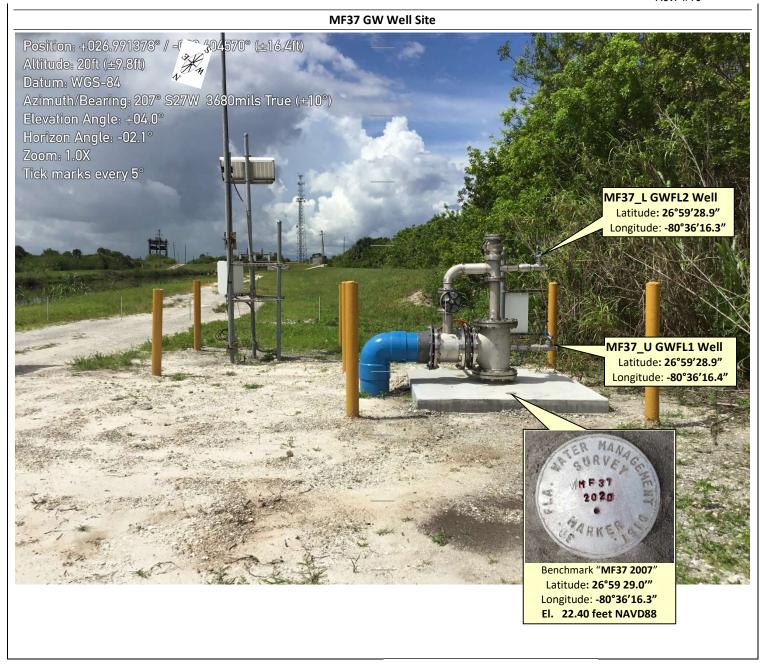
Benchmark "MF37 2007" Latitude: 26°59 29.0'"

Longitude: -80°36'16.3"

El. 22.40 feet NAVD88



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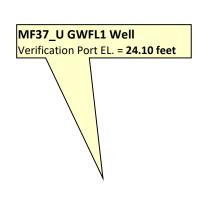




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MF37_U GWFL1 Well
Verification Port EL. = 24.10 feet

(Tag denotes Reference Point Elev.)





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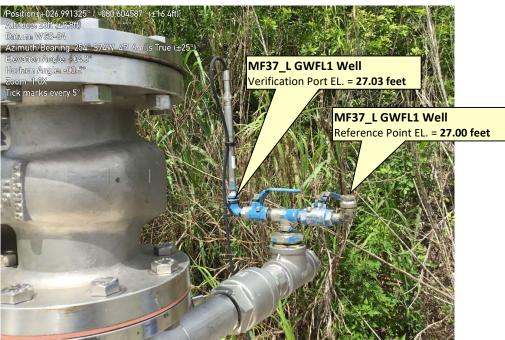




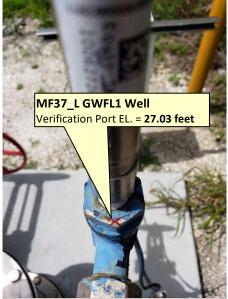


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MF37_L GW Well

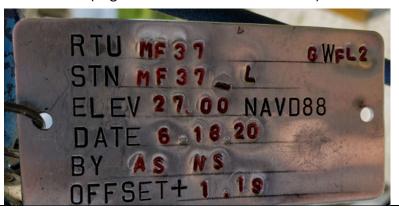








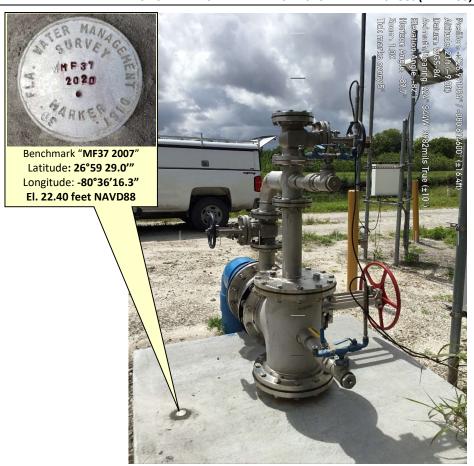
(Tag denotes Reference Point Elev.)





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MF37 SITE BENCHMARK "MF37 2020" El. = 22.40 feet (*NAVD88*)







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MF37 SOURCE BENCHMARK "S153 1995"





		South Florida Wate	r Management I	District Benchmark Datash	neet			
Designation:	esignation: MF37 2020 Project Name: MF 37 REBUILD			Type:	Type: V		State Plane Zone: FL East	
Stamping:	MF37 2020	Field Book Name: MISC I	В 7С	Field Book Page:	62	•		
Established By:	A.SCHAUER	Recovered By:		Recovery Date:				
Surveyor:	N. STRICKLAND	Established Date: 06/18	/20	Status:	New			
		GE	OGRAPHIC POSITION	INFORMATION				
Section:	14	Township:		40 SOUTH	Range:	37	EAST	
County:	MARTIN	Quadrangle:		Quad Index:	-	NGS Source BM(s):	S153 1995	
NAD83 Adj. Year:		Vertical Datum: NAVD:	1988	Horizontal Datum:		NGS PID(s):		
NAVD88 Elevation (feet):	22.40	NGVD29 Elevation (feet):		2022 Elevation:		NGS NAVD88 Elev (ft):	31.43	
NAVD88 Class:		NGVD29 Class:				NGS NAVD88 Elev (m):		
NAVD88 Order:		NGVD29 Order:		Other Elevation Type:		NGS 2022 Elev (ft):		
CORPSCON 6.0.1 CONVERSIO	N FACTOR (NAVD88 TO N	GVD29): (A U.S. Army Corps of Engineers Engineering	Research and Development Cer	ter Topographic Engineering Center Alexandria, Virg	inia Windows-based program to con	vert coordinates and elevations betwee	n datum's using vertcon05.txt and	
vertcon05.05 files supplied by the U.S. Army				611				
Vertical Datum Offset: +	1.19		vation or ngvd29.txt	Tile:	OPUS Ortho Height:			
Northing (Y) (feet):		Easting (X) (feet):		Source of	Latitude & Longitude:	36		
Latitude:			SS"	Longitude:				
tare day	DD°	MM'	55"	Lance Maria	DD°	MM'	SS"	
Latitude (Decimal Degrees):	26.99138889	_		Longitude (Decimal Degrees):	80.39547222			
			RECOVERY D	DATA				
How to Reach:	exit for the South Florid to the St. Lucie Tieback a distance of 0.2 of a mi	County Road 15B and United States a Water Management District's (SFW Road; turn left (on the North side of le to MF37 well site and station local ninum disk stamped "MF37 2020."	/MD's) Structure 308 the canal and go Eas	on the right before the bridge or	ver Canal 44 (St. Lucie I	River); turn right and follo	ow the road Southerly	
Description/Notes: Notable Landmarks:	New concrete pad, MF3	7 2008 is destroyed.						
NOTable Landing KS.								

PICTUR

Aerial View of Overall Si



PICTURES





SFWMD Vertical Control: Vertical

TYPE Vertical DESIGNATION S153 BENCHMARK STAMP BM S153 BENCHMARK STATUS GOOD NAVD ELEV 31.43 NAVD_CLASS

NAVD ORDER 3rd Order NGVD ELEV 32.65

NGVD CLASS

NGVD ORDER 3rd Order

NAD83_ADJUSTMENT_YEAR

LONG DD 83 -80.61 LAT DD 83 26.99 NAD83_YCOORD 965283.08 NAD83 XCOORD 784781.64

NAD83 ORDER NAD27_XCOORD NAD27 YCOORD NAD27 ORDER

FIELD BOOK PAGES 72

HOW TO REACH Old SFWMD El. 32.65 NGVD 1929

***** Recovery Note ******

6/26/2008 Hollin SFWMD Fieldbook Misc 6H pages 37 & 38 BM S-153 1995 El. 32.65 NGVD 1929, El. 31.43 NAVD 1988 (26-jun-08 HJE)

12/07/2001 J.G. Maestre, Weidener Surveying and Mapping, STRIVE program, Field book M564, page 32 found 2-inch aluminum disk on the concrete step at the entrance of a CBS building, 7 feet more or less West of the upstream face of Structure 153, stamped BM S153, SFWMD" (see book M565, page 66) El. 31.43 NAVD 1988 source bench mark Y-74 1934, El. 23.83 NAVD 1988. To verify this elevation a run was made between Y-74 and NGS PMB BM3, El. 35.59 NAVD 1988.

To reach: from the intersection of County Road C15-B and United States Highway 441 (U.S. 441), go South on U.S. 441 for 11.9 miles to the North exit ramp of the St. Lucie Canal bridge; continue Southerly, 0.4 of a mile along exit ramp to S-153 access road; go East along access road for 0.7 of a mile to Structure 153 and station location.

Benchmark is a South Florida Water Management District (SFWMD) aluminum disk set in the concrete step, of the entrance to the upstream and downstream recorder building and is stamped "B.M. S-153 1995."

A South Florida Water Management District (SFWMD) aluminum disk set in the concrete step, of the entrance to DESCRIPTION

the upstream and downstream recorder building.

PROJECT_NAME S-153

ESTABLISHED BY RECOVERED BY

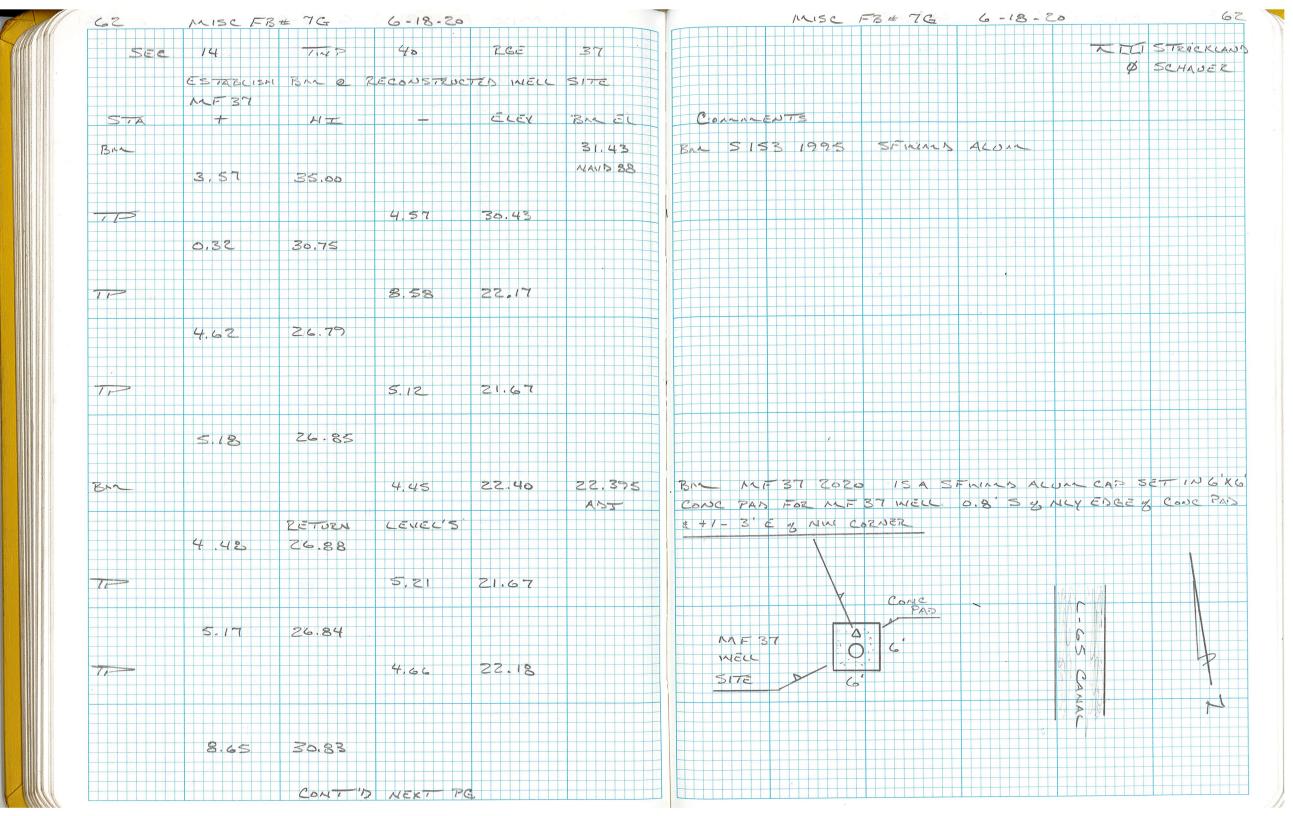
SURVEYOR

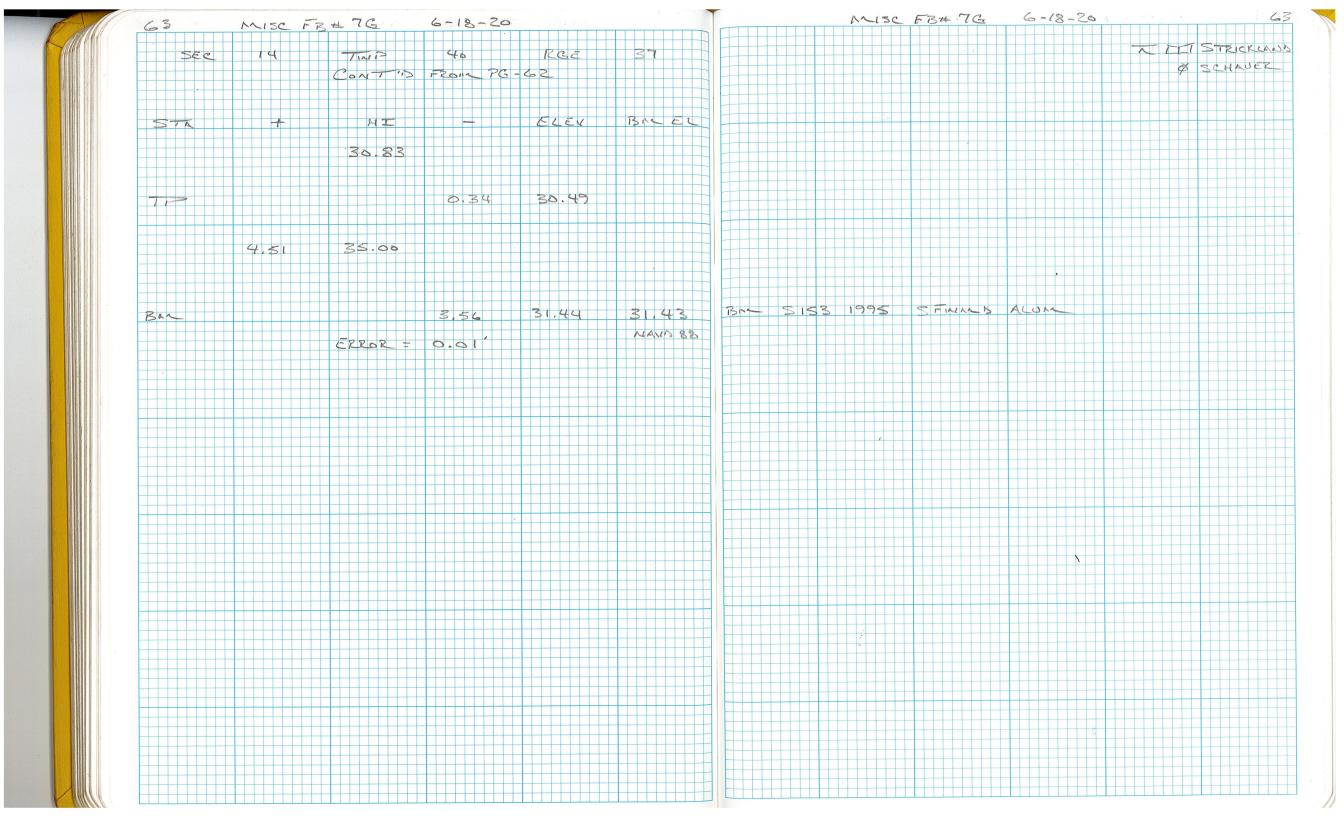
ESTABLISHED DATE 12/31/1994

STATEPLANE_ZONE

HORIZONTAL DATUM NAD83

VERTICAL DATUM NGVD/NAVD





64 MISC F	B # 7G 6-18-20	1.25 L-1.2 L-1.2	MISC F3 # 76 6-18-20 64
564 14	1117 40	RGE 37	TIT STRICKLAN
	ELEV'S @ NEWLY	REBUILT	& SCHAUER
	E 11 37	ECEY BALEC	CONTRACTOR
\$7A	HI		
78 ~~		22.40 22.395	BILL ME 37 ZOZO SFAMALO ALUM CAP IN CONC
5.13	27.58	ASS	PAD SEE PG-62
		WAYD 88	
OPPER	3.48	24.10	OPPER NERIFICATION FORT "X" ATOP 15 1/4" REDUCER N. SID.
KEZIFICATION .	3.44	24.12	UPPER REF PORT X
UPPER REF	5.79		UPPER REF PORT X
CONTER VERIFICATION	0.55	27.03	CONTE VERTECATION POZIT "X"
LOWER REF	2.53	27.00	LOWER REF PORT "X"
Pozi			
NE CONC	5.21	22.37	NE CONC 6x6' PAD
56 "	5.20	22.33	
S w'	5.20	22,38	Sul
MINI			MW 14 14 14
	5.23	22,35	
NE GRUD	5,5	72.03	NE GROUNS
St "	6,3	21,28	55 "
514/ "	5,7	21.32	SW 11
MW	5.7	88.15	NW
311	5.13	22.40 22.40	BA AN F 37 2020 AS ABOVE
		MAYS 88	