



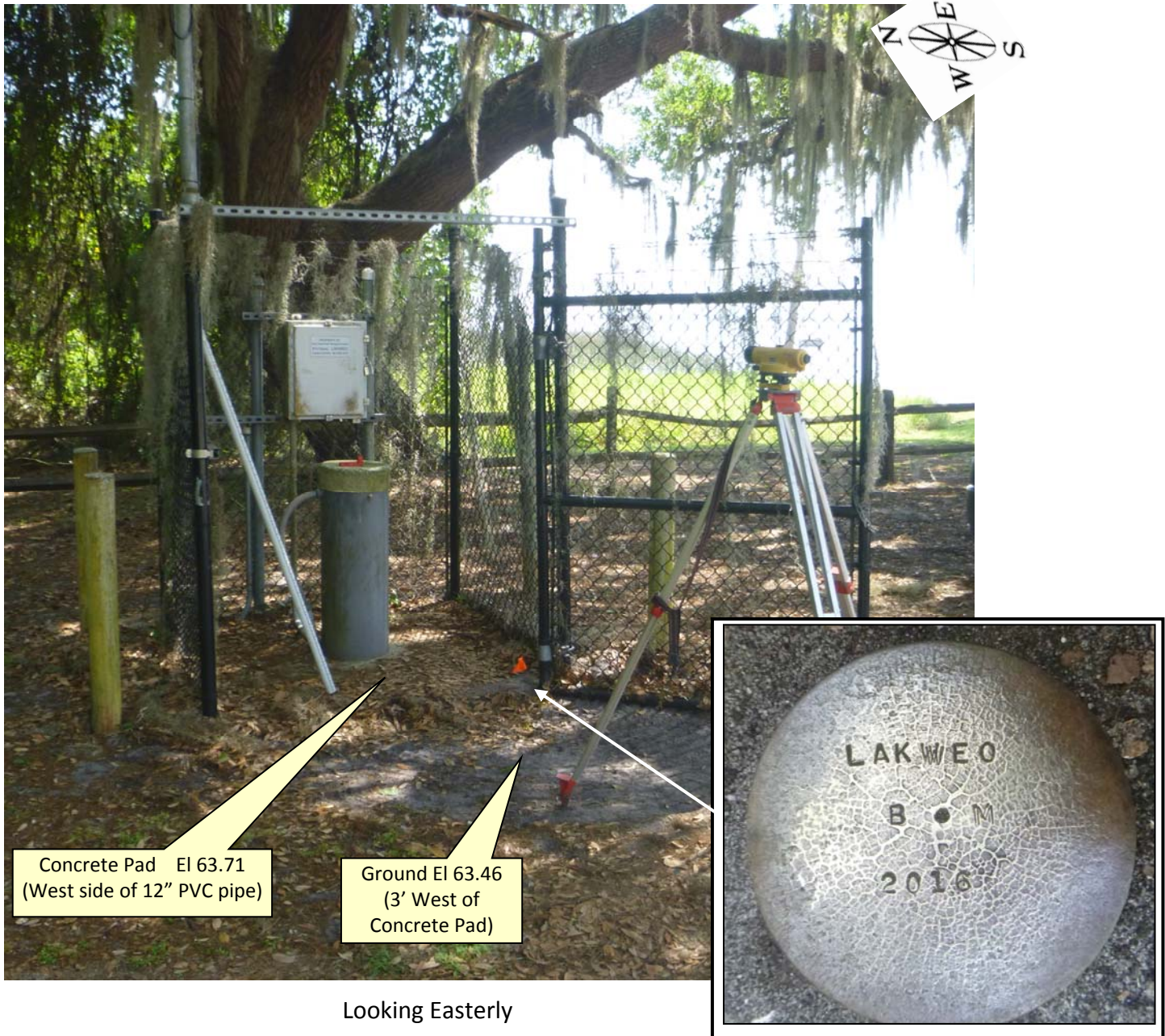
# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Site Name: <b>LAKWEO</b>		Date of Field Work: <b>12-apr-16</b>
Party Chief: <b>Strickland</b>	Field Book: <b>Misc6Y</b>	Page(s) <b>27-29</b>
Site Benchmark: <b>LAKWEO BM 2016</b>	Benchmark Elevation (NAVD88) <b>63.692</b>	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) <b>+1.09</b>
Reference Elevation(s) (NAVD88): <b>66.26</b>	Existing Tag Elevation (Datum): <b>None (RP 71.98' written at well)</b>	Calibration Port Elevation(s) (NAVD88): <b>Not Applicable</b>
Ground Elevation (NAVD88): <b>63.46 (3 feet West of well pad)</b>	Pad Elevation (NAVD88): <b>63.71 (West side of 12" PVC pipe)</b>	
Latitude: <b>27° 48' 50.53" N</b>		Longitude: <b>81° 26' 19.76"</b>
<p>Notes: The NGVD29 difference between the value written at the site and the new Corpscon value is <math>71.98 - (66.26 + 1.09) = 4.63'</math></p> <p><b>NAVD88</b> – North American Vertical Datum of 1988</p> <p><b>NGVD29</b>- National Geodetic Vertical Datum of 1929</p> <p><b>Corpscon 6.0.1</b> – A MS-Windows-based program to convert coordinates and elevations between datum's</p>		

## PICTURES

Overall Site



Concrete Pad El 63.71  
(West side of 12" PVC pipe)

Ground El 63.46  
(3' West of  
Concrete Pad)



Tag Not Shown



Tagged after the picture was taken

SEC 5 TWP 31 RGE 29  
 ESTABLISH NAVD 88 EL @ SITE LAKWEO  
 BM & REF EL

STA PT#	EL	ADJ EL	BM EL
BM 11	—	—	69.64
			NAVD 88
BM 12	69.649	—	69.65
LINE 2			
BM 12	—	—	69.65
BM 18	63.691	63.69	—
BM 121	69.647	—	69.65

DIFF = -0.003 DIST = 2275.85 2281.33

CONT'D NEXT PG-28

EQ USED DINI LEVEL SN-771295 Ø MT STRICKLAND  
 & BAR CODE ROD R KETT

FILE NAME LAKWEO

COMMENTS

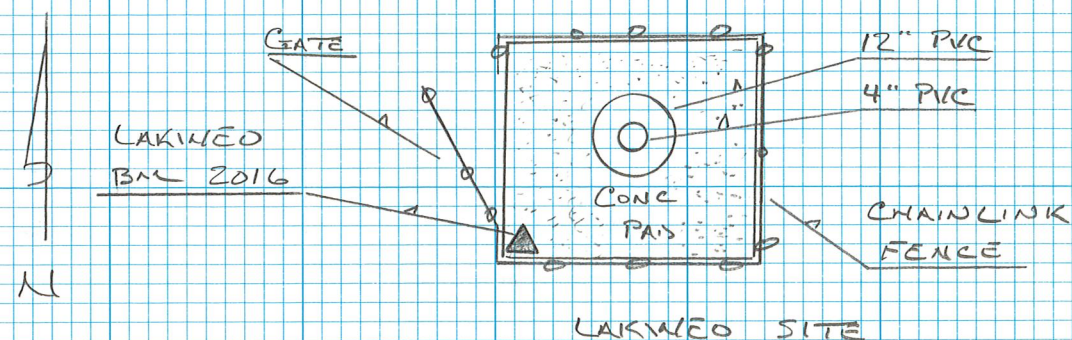
BM 26345 B 2012 FL DEPT of ENVIRONMENTAL PROTECTION  
 BRIDGE # 164304 BRASS DISK IN BRIDGE @ TIGER CREEK  
 & WALK-IN-WATER RD  
 BM 26345 A 2012 " " " " " "

BM 26345 A 2012 " " " " " "

BM LAKWEO BM 2016 SEE DESC BELOW →

BM 26345 A

BM LAKWEO BM 2016 FID 3" BRASS DISK WITHOUT  
 ANY STAMPING, SEWING STAMPED FID 3" BRASS DISK  
 "LAKWEO BM 2016" FID IN THE EXTREME SW CORNER  
 OF CONC SLAB FOR SITE LAKWEO & BEING @ THE CORNER  
 OF THE CHAIN LINK FENCE GATE (HINGED SIDE) NOTE THIS  
 SITE IS UNDER OAK TREES & THE CONC SLAB WILL HAVE  
 A LARGE AMOUNT of TREE LEAVES PILED UP ON SLAB.



SEC	5	TWP	31	RGE	29
ESTABLISH NAVD 88 EL @ SITE LAKWEO					
REF & POF 8					
STA	+	HI	-	EL	BM EL
BM	4.87	68.56			63.69 NAVD 88
REF			2.30	66.26	
CONC SLAB			4.85	63.71	
GRND			5.1	63.46	
BM			4.87	63.69	63.69
* POF-8 SITE *					
BM	5.26	68.95			63.69 NAVD 88
"X"			3.34	65.61	
SPIGOT			3.47	65.48	
GRND			4.92	64.03	
BM			5.26	63.69	63.69

π LITSTEICKLAND  
Ø KETT

COMMENTS

BM LAKWEO 2016 FD BRASS DISK; SF MARK STAMPED  
FD DISK "LAKWEO BM 2016"

REF ~~■~~ ATOP of 4" PVC PIPE LOCATED INSIDE 12" PVC PIPE

CONC SLAB W. SIDE of 12" PVC PIPE

GRND 3' IN. of CONC SLAB

BM LAKWEO 2016

BM LAKWEO 2016

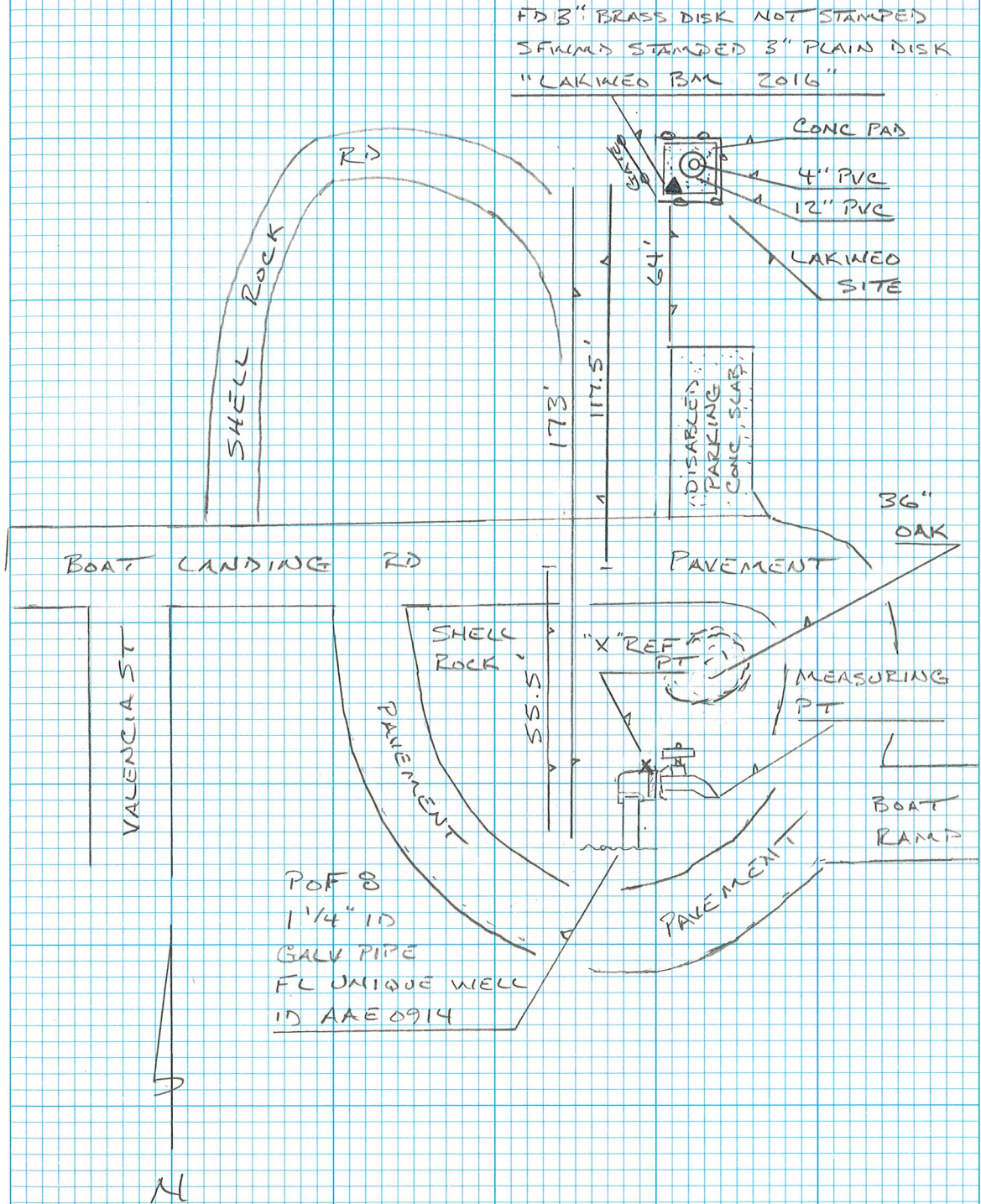
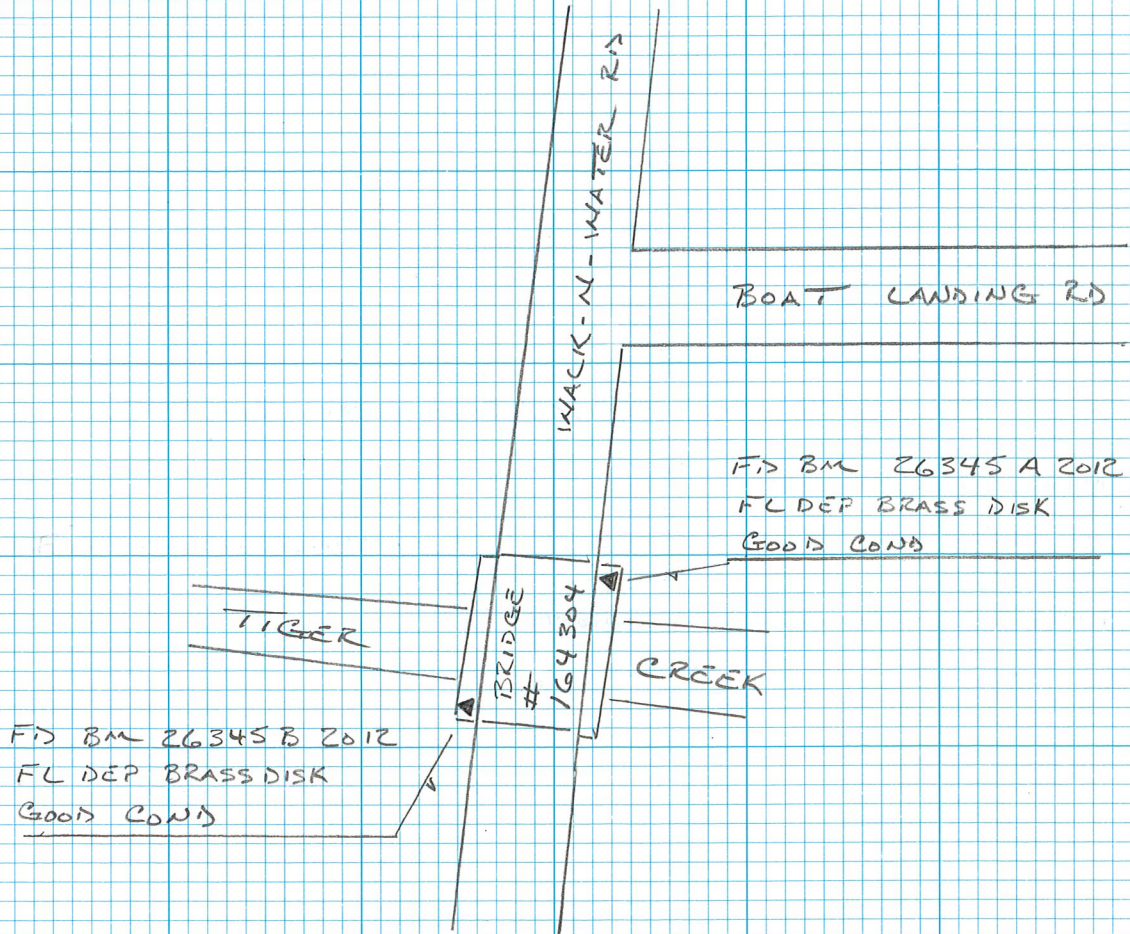
"X" ATOP of 1 1/4" 90° TREADED GALV ELBOW "REF PT"

MEAS PT of SPIGOT

GRND @ 1 1/4" GALV PIPE "POF 8" FL UNIQUE WELL ID AAED914

BM LAKWEO 2016 AS ABOVE

SEC 5 TWP 31 RGE 29  
LAKWEO # POF 8 SITE SKETCH SEE  
PAGES 27 & 28 FOR LEVEL INFO





# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

DESIGNATION: <b>LAKWEO</b>		PROJECT: <b>LAKWEO Well Site</b>	
ESTABLISHED BY: <b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b>		SURVEYOR: <b>Ned Strickland</b>	
RECOVERED BY: <b>NOT APPLICABLE</b>		DATE: <b>12-apr-16</b>	
<b>GEOGRAPHIC POSITION</b>			
SECTION <b>5</b>	TOWNSHIP <b>31 SOUTH</b>	RANGE <b>29 EAST</b>	
COUNTY: <b>Polk</b>	NAME OF QUADRANGLE: <b>Lake Weohyakapka</b>		
	GEOGRAPHIC INDEX OF QUAD: <b>3112</b>		
HORIZONTAL DATUM: 1927 (1983) Other _____ (circle one) ZONE E or W			
VERTICAL DATUM: MSL 1929 (1988) Other _____ (circle one)			
VERTICAL ACCURACY: 1 2 (3)			
STATE PLANE COORDINATE	X	Y	NAVD 88 EL. <b>63.692</b> NGVD 29 EL.
CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): <b>+1.09</b>			
LATITUDE: <b>27°48'50.53"N</b>		LONGITUDE: <b>81°26'19.76"W</b>	
<b>RECOVERY DATA</b>			
Stamping: <b>LAKWEO BM 2013</b>			
<p>To Reach: From the intersection of U.S. Highway 27 (US27) and State Road 60 (SR60) in Lake Wales, go East on State Road 60 for 9.4 miles to the intersection of Boy Scout Road on the left and Walk-in-Water Road on the right; turn right onto Walk-in-Water Road proceed South for 4.85 miles to a paved road on the left (Boat Landing Road); turn left, proceed East on Boat Landing Road, 0.32 of a mile to a boat parking area and handicap parking concrete pad on the left; Turn left and proceed North 117.5 feet to station location on the right at the LALWEO well site in a chain link fence enclosure.</p> <p>The station is located 117.5 feet North of the centerline of Boat Landing Road, 64 feet North of the Northwest corner of the handicap concrete parking pad, 80 feet plus or minus West of Lake Weohyakapka shore line and 173 feet North of (POF 8 well, being a 1-1/4 inch galvanized pipe and spigot located 80 feet plus or minus West of the boat ramp and 20 feet plus or minus South of a 36 inch oak tree).</p> <p>The station is located on the concrete pad for LAKWEO site in the extreme Southwest corner of the concrete pad.</p> <p>The station is a 3-inch diameter brass disk having no logo stamping or identification when found (plain 3-inch brass disk). The station is now stamped "LAKWEO BM 2016."</p>			
NOTABLE LAND MARKS:			
NGS SOURCE BENCHMARK: <b>26345A (DO8957) and 26345B (DO8958)</b>			
FIELD BOOK: <b>MISC6Y PAGE 27 thru 29</b>			



**PICTURES**

**Overall Site**



Concrete Pad El 63.71  
(West side of 12" PVC pipe)

Ground El 63.46  
(3' West of  
Concrete Pad)

Looking Easterly



# The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.



```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,   Retrieval Date = DECEMBER
DO8957 *****
DO8957 DESIGNATION - 26345 A
DO8957 PID - DO8957
DO8957 STATE/COUNTY- FL/POLK
DO8957 COUNTRY - US
DO8957 USGS QUAD - LAKE WEOHYAKAPKA (1972)
DO8957
DO8957 *CURRENT SURVEY CONTROL
DO8957
DO8957* NAD 83(1986) POSITION- 27 48 43.8 (N) 081 26 39.2 (W) HD HELD2
DO8957* NAVD 88 ORTHO HEIGHT - 21.229 (meters) 69.65 (feet) ADJUSTED
DO8957
DO8957 GEOID HEIGHT - -26.682 (meters) GEOID12B
DO8957 DYNAMIC HEIGHT - 21.197 (meters) 69.54 (feet) COMP
DO8957 MODELED GRAVITY - 979,139.8 (mgal) NAVD 88
DO8957
DO8957 VERT ORDER - FIRST CLASS II
DO8957
DO8957.The horizontal coordinates were established by autonomous hand held GPS
DO8957.observations and have an estimated accuracy of +/- 10 meters.
DO8957.
DO8957.The orthometric height was determined by differential leveling and
DO8957.adjusted by the NATIONAL GEODETIC SURVEY
DO8957.in January 2015.
DO8957
DO8957.Significant digits in the geoid height do not necessarily reflect accuracy.
DO8957.GEOID12B height accuracy estimate available here.
DO8957
DO8957.Photographs are available for this station.
DO8957
DO8957.The dynamic height is computed by dividing the NAVD 88
DO8957.geopotential number by the normal gravity value computed on the
DO8957.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DO8957.degrees latitude (g = 980.6199 gals.).
DO8957
DO8957.The modeled gravity was interpolated from observed gravity values.
DO8957
DO8957;
DO8957;SPC FL W - North East Units Estimated Accuracy
DO8957; 385,519. 254,759. MT (+/- 10 meters HH2 GPS)
DO8957
DO8957 SUPERSEDED SURVEY CONTROL
DO8957
DO8957 NAVD 88 (12/11/13) 21.227 (m) 69.64 (f) SUPERSEDED 1 2
DO8957
DO8957.Superseded values are not recommended for survey control.
DO8957
DO8957.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DO8957.See file dsdata.txt to determine how the superseded data were derived.
DO8957
DO8957_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML5624776474(NAD 83)
DO8957
DO8957_MARKER: DD = SURVEY DISK
DO8957_SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.
DO8957_SP_SET: BRIDGE CURB
DO8957_STAMPING: 26345 A 2012

```



## DATASHEETS

DO8957\_MARK LOGO: FLDEP  
 DO8957\_MAGNETIC: N = NO MAGNETIC MATERIAL  
 DO8957\_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY  
 DO8957\_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR  
 DO8957+SATELLITE: SATELLITE OBSERVATIONS - August 19, 2012

DO8957

HISTORY	Date	Condition	Report By
HISTORY	- 20120819	MONUMENTED	FLDEP

DO8957

DO8957 STATION DESCRIPTION

DO8957

DO8957'DESCRIBED BY FL DEPT OF ENV PRO 2012 (BPJ)

DO8957'THE MARK IS ABOUT 7.0 MI (11.3 KM) NORTHEAST OF FROSTPROOF, 5.0 MI  
 DO8957'(8.0 KM) SOUTH OF HESPERIDES, 5.0 MI (8.0 KM) EAST-SOUTHEAST OF BABSON  
 DO8957'PARK, IN SECTION 5, TOWNSHIP 31 SOUTH, RANGE 29 EAST.

DO8957'

DO8957'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 27 AND STATE  
 DO8957'ROAD 60 IN LAKE WALES, GO EAST ON STATE ROAD 60 FOR 9.4 MI (15.1 KM)  
 DO8957'TO THE INTERSECTION OF BOY SCOUT ROAD ON THE LEFT AND WALK-IN-WATER  
 DO8957'ROAD ON THE RIGHT. TURN RIGHT ON WALK-IN-WATER ROAD AND GO SOUTH FOR  
 DO8957'5.2 MI (8.4 KM) TO THE TIGER CREEK BRIDGE AND THE MARK ON THE LEFT,  
 DO8957'SET IN THE TOP OF THE NORTHEAST CONCRETE BRIDGE CURB ABOUT 0.5 FT (15  
 DO8957'CM) ABOVE THE LEVEL OF WALK-IN-WATER ROAD.

DO8957'

DO8957'LOCATED 53.2 FT (16.2 M) NORTH-NORTHEAST OF SURVEY MARK 26345 B, 45.2  
 DO8957'FT (13.8 M) NORTHEAST OF A U.S.G.S. STREAM GAUGE, 35.9 FT (10.9 M)  
 DO8957'NORTHEAST OF A STAFF GAUGE, 12.4 FT (3.8 M) SOUTHWEST OF THE NORTHEAST  
 DO8957'END OF A CONCRETE WING WALL AND 11.1 FT (3.4 M) EAST OF THE  
 DO8957'APPROXIMATE CENTERLINE OF WALK-IN-WATER ROAD.

\*\*\* retrieval complete.

Elapsed Time = 00:00:03



# The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.



```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = DECEMBER
DO8958 *****
DO8958 DESIGNATION - 26345 B
DO8958 PID - DO8958
DO8958 STATE/COUNTY- FL/POLK
DO8958 COUNTRY - US
DO8958 USGS QUAD - LAKE WEOHYAKAPKA (1972)
DO8958
DO8958 *CURRENT SURVEY CONTROL
DO8958
DO8958* NAD 83(1986) POSITION- 27 48 43.7 (N) 081 26 40.4 (W) HD HELD2
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DO8958 GEOID HEIGHT - -26.681 (meters) GEOID12B
DO8958 DYNAMIC HEIGHT - 21.195 (meters) 69.54 (feet) COMP
DO8958 MODELED GRAVITY - 979,139.8 (mgal) NAVD 88
DO8958
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DO8958
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DO8958.
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DO8958
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DO8958.geopotential number by the normal gravity value computed on the
DO8958.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DO8958.degrees latitude (g = 980.6199 gals.).
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DO8958.The modeled gravity was interpolated from observed gravity values.
DO8958
DO8958;
DO8958;SPC FL W - North East Units Estimated Accuracy
DO8958; 385,516. 254,726. MT (+/- 10 meters HH2 GPS)
DO8958
DO8958 SUPERSEDED SURVEY CONTROL
DO8958
DO8958 NAVD 88 (12/11/13) 21.225 (m) 69.64 (f) SUPERSEDED 1 2
DO8958
DO8958.Superseded values are not recommended for survey control.
DO8958
DO8958.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DO8958.See file dsdata.txt to determine how the superseded data were derived.
DO8958
DO8958_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RML5621476471(NAD 83)
DO8958
DO8958_MARKER: DD = SURVEY DISK
DO8958_SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.
DO8958_SP_SET: BRIDGE CURB
DO8958_STAMPING: 26345 B 2012

```

## DATASHEETS

DO8958\_MARK LOGO: FLDEP  
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 DO8958+SATELLITE: SATELLITE OBSERVATIONS - August 19, 2012

DO8958

HISTORY	Date	Condition	Report By
HISTORY	- 20120819	MONUMENTED	FLDEP

DO8958

DO8958 STATION DESCRIPTION

DO8958

DO8958'DESCRIBED BY FL DEPT OF ENV PRO 2012 (BPJ)  
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 DO8958'(8.0 KM) SOUTH OF HESPERIDES, 5.0 MI (8.0 KM) EAST-SOUTHEAST OF BABSON  
 DO8958'PARK, IN SECTION 5, TOWNSHIP 31 SOUTH, RANGE 29 EAST.

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 DO8958'5.2 MI (8.4 KM) TO THE TIGER CREEK BRIDGE AND THE MARK ON THE RIGHT,  
 DO8958'SET IN THE TOP OF THE SOUTHWEST CONCRETE BRIDGE CURB ABOUT 0.5 FT (15  
 DO8958'CM) ABOVE THE LEVEL OF WALK-IN-WATER ROAD.

DO8958'

DO8958'LOCATED 53.2 FT (16.2 M) SOUTH-SOUTHWEST OF SURVEY MARK 26345 A, 21.6  
 DO8958'FT (6.6 M) SOUTH OF A STAFF GAUGE, 11.4 FT (3.5 M) WEST OF THE  
 DO8958'APPROXIMATE CENTERLINE OF WALK-IN-WATER ROAD, 11.0 FT (3.4 M)  
 DO8958'NORTHEAST OF THE SOUTHWEST END OF A CONCRETE WING WALL AND 10.0 FT  
 DO8958'(3.0 M) SOUTH OF A U.S.G.S. STREAM GAUGE.

\*\*\* retrieval complete.

Elapsed Time = 00:00:02



Project Information		Coordinate System	
Name:		Name:	Default
Size:		Datum:	WGS 1984
Modified:	2/15/2012 8:48:57 AM (UTC:-7)	Zone:	Default
Time zone:	Mountain Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			

## Level Report

**Imported file:** [LAKWEO.DAT](#)  
**Instrument:** DiNi  
**Standard error per kilometer of double leveling:** 0.00230 ft  
**Standard error per turn/station setup:** 0.00000 ft  
**Creation option:** Delta elevations  
**Description usage:** Feature codes

### Run - 1 Raw Observations

**Raw Misclosure:** -0.00100 ft  
**Σ BS Distances:** 66.170 ft  
**Σ FS Distances:** 32.710 ft  
**Run Length:** 98.880 ft  
**Reduction:** Adjusted Values

Create	Point ID	BS	IS	FS	Δ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
	1	4.69200 ft			0.00000 ft	69.640 ft	0.00000 ft	69.640 ft	Benchmark	66.170 ft	345B 3
	2			4.68300 ft	0.00900 ft	69.649 ft	0.00100 ft	69.650 ft	Benchmark	32.710 ft	345A 3

### Run - 1 (N1) Reduced Observations

Observation	Status	Raw Δ Elevation	Correction	Final Δ Elevation	Setups	Length	Σ BS Readings	Σ FS Readings	Std. Error
<a href="#">1-2 (E1)</a>	Enabled	0.00900 ft	0.00100 ft	0.01000 ft	1	98.880 ft	4.69200 ft	4.68300 ft	0.00258 ft

### Run - 1 (N1) Reduced Coordinates

Point ID	Status	Elevation
<a href="#">1</a>	Enabled	69.64000 ft
<a href="#">2</a>	Enabled	69.65000 ft

## Run - 2 Raw Observations

Raw Misclosure: -0.00200 ft

 $\Sigma$  BS Distances: 2275.840 ft $\Sigma$  FS Distances: 2281.330 ft


Run Length: 4557.170 ft

Reduction: Adjusted Values

Create	Point ID	BS	IS	FS	$\Delta$ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/> 6.16500 ft			0.00000 ft	69.650 ft	0.00000 ft	69.650 ft	Benchmark	266.960 ft	345A 3
<input type="checkbox"/>	3			<input checked="" type="checkbox"/> 3.53100 ft	2.63400 ft	72.284 ft	0.00028 ft	72.284 ft	Computed	279.920 ft	3
	3	<input checked="" type="checkbox"/> 3.29400 ft								231.360 ft	3
<input type="checkbox"/>	4			<input checked="" type="checkbox"/> 7.41300 ft	-4.11900 ft	68.165 ft	0.00049 ft	68.165 ft	Computed	249.050 ft	3
	4	<input checked="" type="checkbox"/> 2.20400 ft								248.690 ft	3
<input type="checkbox"/>	5			<input checked="" type="checkbox"/> 5.41900 ft	-3.21500 ft	64.950 ft	0.00072 ft	64.951 ft	Computed	252.000 ft	3
	5	<input checked="" type="checkbox"/> 4.26300 ft								247.210 ft	3
<input type="checkbox"/>	6			<input checked="" type="checkbox"/> 6.09800 ft	-1.83500 ft	63.115 ft	0.00096 ft	63.116 ft	Computed	255.970 ft	3
	6	<input checked="" type="checkbox"/> 5.43000 ft								107.840 ft	3
<input type="checkbox"/>	7			<input checked="" type="checkbox"/> 4.85600 ft	0.57400 ft	63.689 ft	0.00100 ft	63.690 ft	Computed	95.670 ft	3
	7	<input checked="" type="checkbox"/> 4.69500 ft								22.080 ft	3
<input type="checkbox"/>	8			<input checked="" type="checkbox"/> 4.69300 ft	0.00200 ft	63.691 ft	0.00100 ft	63.692 ft	Computed	22.210 ft	LKWEO 3
	8	<input checked="" type="checkbox"/> 4.43000 ft								22.440 ft	LKWEO 3
<input type="checkbox"/>	9			<input checked="" type="checkbox"/> 4.43200 ft	-0.00200 ft	63.689 ft	0.00100 ft	63.690 ft	Computed	21.750 ft	3
	9	<input checked="" type="checkbox"/> 4.78200 ft								99.080 ft	3
<input type="checkbox"/>	10			<input checked="" type="checkbox"/> 5.38600 ft	-0.60400 ft	63.085 ft	0.00104 ft	63.086 ft	Computed	104.490 ft	3
	10	<input checked="" type="checkbox"/> 6.03600 ft								255.150 ft	3
<input type="checkbox"/>	11			<input checked="" type="checkbox"/> 4.20900 ft	1.82700 ft	64.912 ft	0.00128 ft	64.913 ft	Computed	249.280 ft	3
	11	<input checked="" type="checkbox"/> 5.35700 ft								249.970 ft	3
<input type="checkbox"/>	12					68.081 ft	0.00151 ft	68.083 ft	Computed		3

		<input checked="" type="checkbox"/>	2.18800 ft	3.16900 ft					249.150 ft	
	12	<input checked="" type="checkbox"/>	7.51800 ft						245.240 ft	3
<input type="checkbox"/>	13	<input checked="" type="checkbox"/>	3.30900 ft	4.20900 ft	72.290 ft	0.00172 ft	72.292 ft	Computed	235.860 ft	3
	13	<input checked="" type="checkbox"/>	3.34900 ft						279.820 ft	3
	2	<input checked="" type="checkbox"/>	5.99100 ft	-2.64200 ft	69.648 ft	0.00200 ft	69.650 ft	Benchmark	265.980 ft	345A 3

### Run - 2 (N2) Reduced Observations

Observation	Status	Raw $\Delta$ Elevation	Correction	Final $\Delta$ Elevation	Setups	Length	$\Sigma$ BS Readings	$\Sigma$ FS Readings	Std. Error
 <a href="#">2-2 (E2)</a>	Enabled	-0.00200 ft	0.00200 ft	0.00000 ft	12	4557.170 ft	57.52300 ft	57.52500 ft	0.03828 ft

Date: 4/13/2016 7:13:42 AM	Project:	Trimble Business Center
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## REGISTRATION WORKSHEET - LAKWEO Addendum

Site Name: **LAKWEO** Today's Date: **4/22/2016** Type Recorder: **CR10**  
 Activity: **Addendum** Effective Date:  Start Date of Data :   
 Customer: **Garnett Ritchie** Bus. Area: **SCADA Maintenance** Agency: **SFWMD** Internal Order:   
 Project Manager: **Amelia Rodriguez** Bus. Area: **Survey & Mapping** Agency: **SFWMD** Fund:   
 Project Name: **VDUP** Legal Mandate: **No Known Mandate** Contract #:

Short Common Name / Description:

Proj. Mgr. Notes: This addendum was performed to add NAVD 88 surveying data for the reference elevation. To convert to NGVD 29 add +1.09ft.

Site Directions: TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 27 AND STATEROAD 60 IN LAKE WALES, GO EAST ON STATE ROAD 60 FOR 9.4 MILES TO THE INTERSECTION OF BOY SCOUT ROAD ON THE LEFT AND WALK-IN-WATER ROAD ON THE RIGHT. FROM THE INTERSECTION OF STATE ROAD 60 AND WALK-IN-WATER ROAD PROCEED SOUTH ON WALK-IN-WATER ROAD 4.85 MILES TO A PAVED ROAD ON THE LEFT (BOAT LANDING ROAD) TURN LEFT, PROCEED EAST ONTO BOAT LANDING ROAD 0.32 Mile TO BOAT PARKING AREA AND HANDICAP PARKING CONCRETE PAD ON THE LEFT. TURN LEFT AND PROCEED NORTH 117.5 FEET TO STATION LOCATION ON THE RIGHT AND SITE LAKWEO CHAIN LINK FENCED AREA.

Site Address (if any):

Transportation: **4X4 Vehicle** Lock type or combination: **Abloy S** #

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type:

Array ID Configuration table attached **NO**

### SURVEY INFORMATION

B.M. Elevation: **63.69 ft** Date: **4/12/2016** Stamp: **LAKWEO BM 2016**  
 Agency: **SFWMD** Type: **ALUM** Datum: **NAVD 88**

Benchmark Location/ Description: THE STATION IS LOCATED 117.5 FEET NORTH OF THE CENTERLINE OF BOAT LANDING ROAD. 64 FEET NORTH OF THE NORTHWEST CORNER OF THE HANDICAP CONCRETE PARKING PAD. AND 80 FEET PLUS OR MINUS TO THE LAKE WEOHYAKAPKA SHORE LINE. AND 173 FEET NORTH OF (POF8 WELL, BEING A 1 ¼ INCH GALVINZED PIPE AND SPIGOT LOCATED 80 FEET PLUS OR MINUS WEST OF THE BOAT RAMP AND 20 FEET PLUS OR MINUS SOUTH OF A 36 INCH OAK TREE). THE STATION IS LOCATED ON THE CONCRETE PAD FOR LAKWEO SITE IN THE EXTREME SOUTHWEST CORNER OF THE CONCRETE PAD. THE STATION IS A 3 INCH DIAMETER BRASS DISK HAVING NO LOGO STAMPING OR ID WHEN FOUND (PLAIN 3 INCH BRASS DISK). THE STATION IS STAMPED LAKWEO BM 2016.

### COMMUNICATIONS INFORMATION

Communications System:  Loggernet Server:  Loggernet IP Address:   
 Tower:  Communication Type:  R.F. Code/Modem Address:  R.F. Access Point:   
 Phone Number:   
 RTU Address:  Gateways:

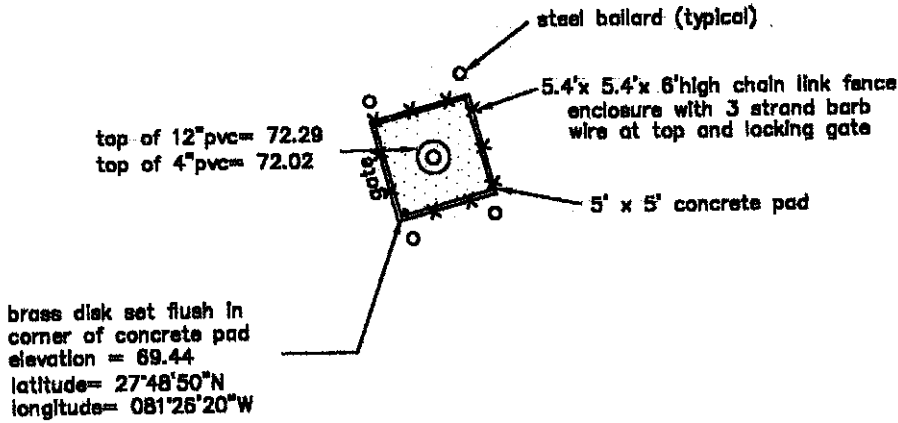
### WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1		66.26FT	4/12/2016			63.46FT	63.69FT	NAVD 88	Top of the pipe

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted									
GW1																	

### COORDINATE INFORMATION

Item/Param	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
RTU	27 48 50.53 N	81 26 19.76 W			5	31	29			Polk	
GW1	28 48 50.53 N	82 26 19.76 W			5	31	29			Polk	



LAKE  
WEOHYAKAPKA

DIRT PARKING AREA

POLK COUNTY  
BOAT RAMP FACILITY

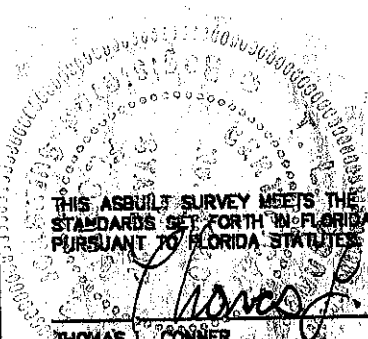
BOAT RAMP ROAD

NOTES

1. ASBUILT SURVEY OF MONITORING WELL SITE ONLY. NOT A BOUNDARY OR TOPOGRAPHY SURVEY.
2. WELL SITE CONSISTED OF 6" PVC ENCASED IN 12" PVC PIPE WITH NEW CONCRETE APRON AND BOLLARDS.
3. WELL SITE IS FOUND ON THE SOUTHWEST CORNER OF LAKE WEOHYAKAPKA IN POLK COUNTY, AT THE BOAT RAMP PARKING AREA AT END OF BOAT RAMP ROAD.

ELEVATIONS ARE BASED ON POLK COUNTY, FLORIDA, DATUM, BENCHMARK NUMBER 19052301, A RAILROAD SPIKE IN A POWER POLE IN NORTH SIDE OF BOAT RAMP ROAD AT THE INTERSECTION OF TIGER CREEK ROAD.  
ELEVATION = 70.02.

5. ELEVATIONS WERE DETERMINED USING A TOPCON AT-G3 AUTO LEVEL. LATITUDE AND LONGITUDE POSITIONS WERE DETERMINED WITH A MAGELLAN MERIDIAN PLATINUM RECEIVER WITH A MANUFACTURER STATED ACCURACY OF THREE METERS.



THIS ASBUILT SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH IN FLORIDA ADMINISTRATIVE CODE RULE 81G17-6 PURSUANT TO FLORIDA STATUTES

*Thomas L. Conner* 3/25/03  
DATE

THOMAS L. CONNER  
FLORIDA SURVEYOR AND MAPPER NUMBER 4340  
NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

DATE: 08/24/02  
SCALE: 1" = 10'  
DWG. FILE LAKEVEO  
PROJ. # 20133

ASBUILT SURVEY  
SOUTH FLORIDA WATER MANAGEMENT DISTRICT  
LAKE WEOHYAKAPKA, POLK COUNTY, SITE ID 6S  
PREPARED FOR  
ENVIROMENTAL DRILLING SERVICE, INC.

THOMAS L. CONNER, PSM  
SURVEY AND MAPPING CONSULTANT  
5424 SOUTH BRACKEN COURT  
WINTER PARK, FLORIDA 32782-8405  
TELEPHONE: (407) 857-1576  
FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS  
LICENSE NUMBER LS0004340

SHEET NO.: 1 OF 1



# 6S Asbuilt Survey Map

LAKE WEOHYAKAPKA



AsBuilt

## BENCHMARKS

Number	Elevation	Description	Date
19052301	70.02	RRS in P Pole N of int of Boat Landing Road & Tiger Creek Road	5/12/1986

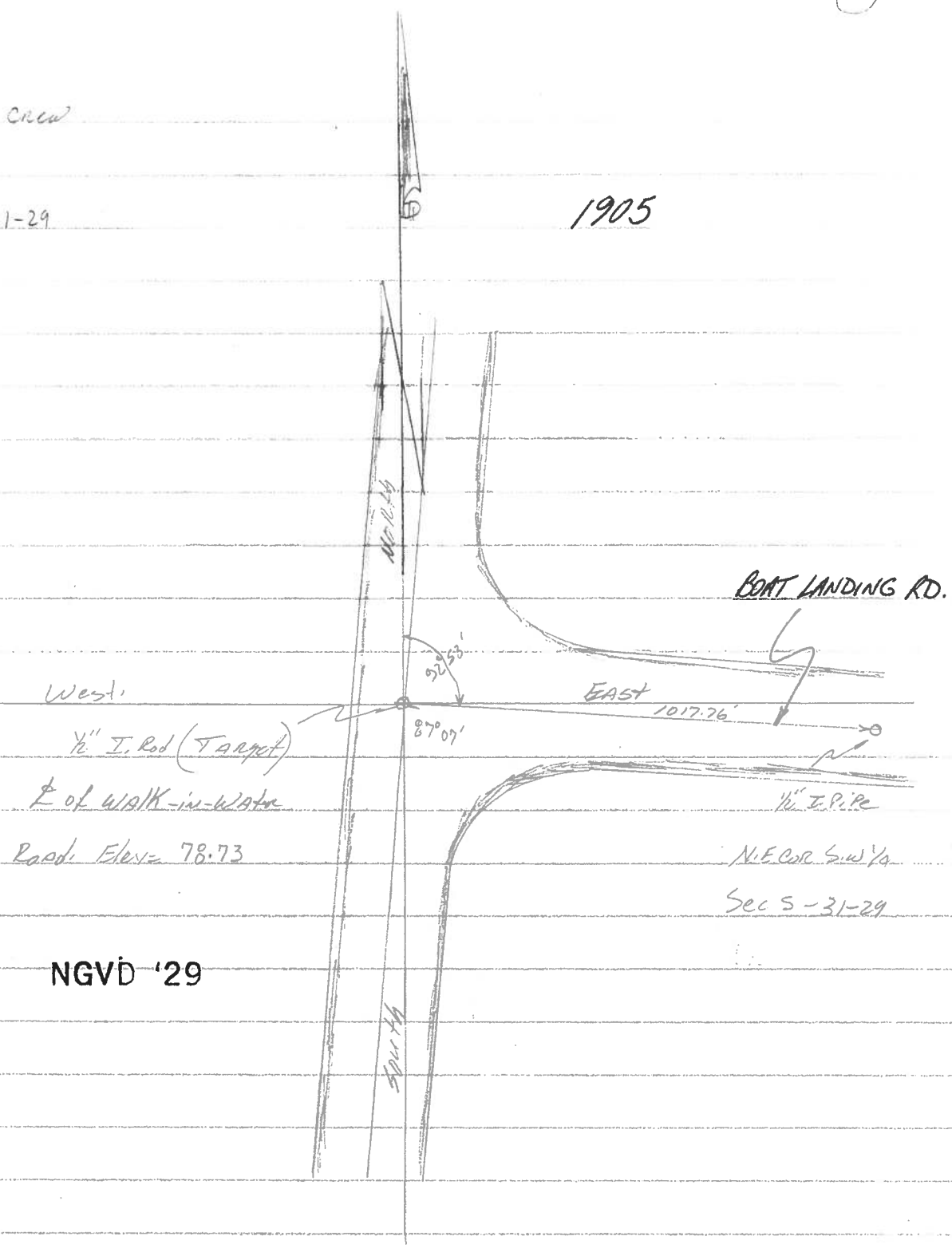
NGVD '29

L. King & crew

3-27-90

Sec. 05-31-29

1905



NGVD '29