



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

SCADA RTU Station Name: <b>INRCTYE</b>	DB Hydro Station Name: <b>IC-TPW</b>	DB Hydro Site Name: <b>IC-TPW</b>	Agency: <b>S.F.W.M.D</b>	Dates of Field Work: <b>06/11/2020</b>
Party Chief: <b>N. Strickland</b>	Field Book: <b>MISC 7G</b>	Page(s): <b>58</b>	Report Prepared by: <b>A.SCHAUER</b>	
Surveyors Notes:		Surveyor's Certification:		

### SITE SPECIFIC DATA

Reference Elevation(s) (NAVD88): <b>IC-TPW (6" Pipe) = 69.41 feet</b> <b>IC-TPW (2" Pipe) = 69.27 feet</b>	Site Benchmark(s)/Elevation(s) (NAVD88): <b>IC-TPW 2019 = 67.77 feet</b>	Source Benchmark(s) /Elev(s) (NAVD88): <b>OSF WELLS BM 1 2003 = 67.68 feet</b>	
Calibration Port Elev(s) (NAVD88): <b>N/A</b>	Ground Elevation (NAVD88): <b>NE Ground = 67.3 feet</b> <b>SE Ground = 67.3 feet</b> <b>SW Ground = 67.4 feet</b> <b>NW Ground = 67.3 feet</b>	Pad Elevation (NAVD88): <b>NE Pad = 67.76 feet</b> <b>SE Pad = 67.75 feet</b> <b>SW Pad = 67.42 feet</b> <b>NW Pad = 67.32 feet</b>	
Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29): <b>+0.94 feet</b>			

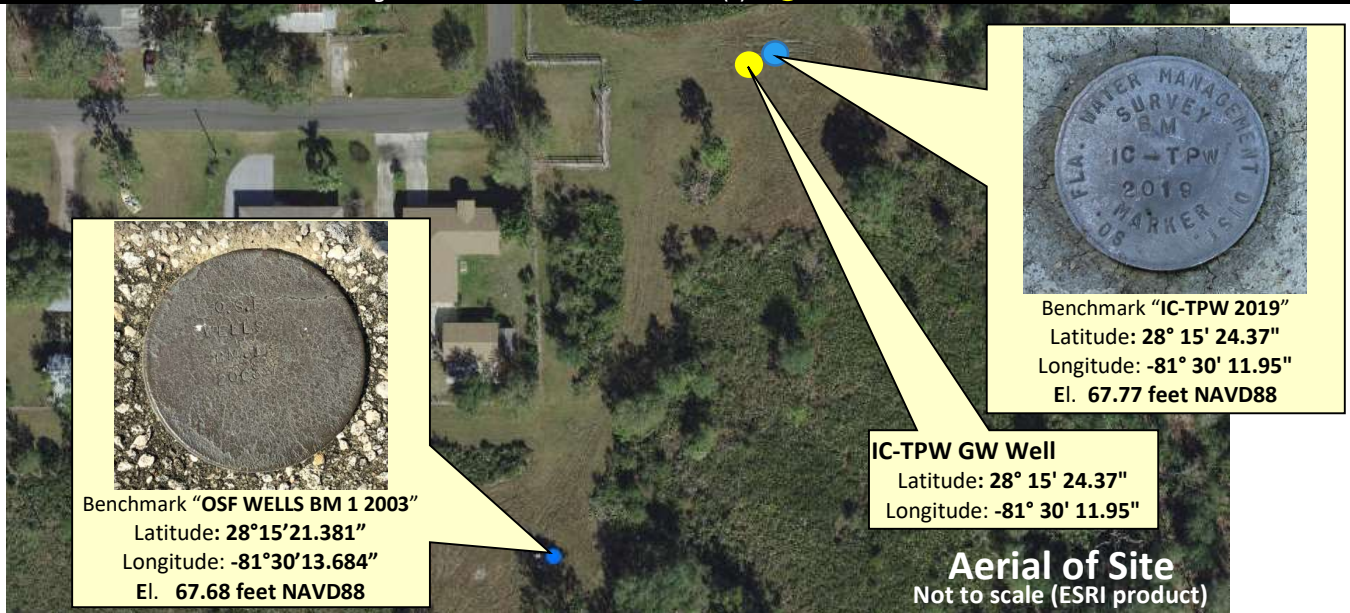
### GEOGRAPHIC DATA

<b>Section 3</b>		<b>Township 26 South</b>		<b>Range 28 East</b>	
<input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Gate(s)	Latitude: <b>28° 15' 24.37"</b>	Longitude: <b>-81° 30' 11.95"</b>	Northing (Y): <b>N/A</b>	Easting (X): <b>N/A</b>	
<input type="checkbox"/> Benchmark(s)					
Position (horizontal) Source: <b>ESRI Pick Point &amp; Garmin Handheld GPSMAP78</b>					

**Notes:** NAVD88 – North American Vertical Datum of 1988; NGVD29- National Geodetic Vertical Datum of 1929; Corpscon 6.0.1 - A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville FL.

### PICTURES

Legend: SFWMD Disk = ● Well(s) = ●







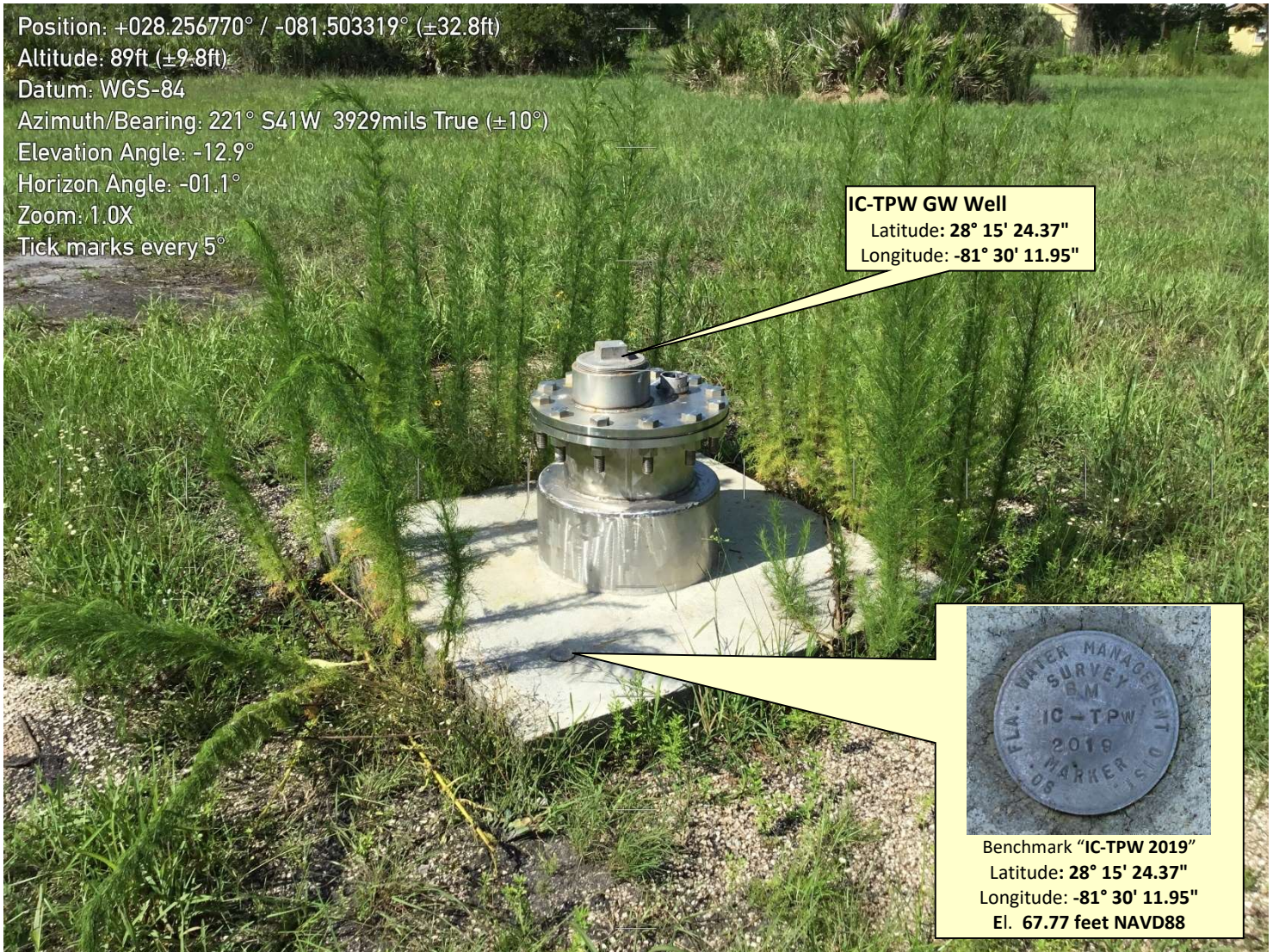
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## IC-TPW GW Well Site

Position: +028.256770° / -081.503319° (±32.8ft)  
 Altitude: 89ft (±9.8ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 221° S41W 3929mils True (±10°)  
 Elevation Angle: -12.9°  
 Horizon Angle: -01.1°  
 Zoom: 1.0X  
 Tick marks every 5°

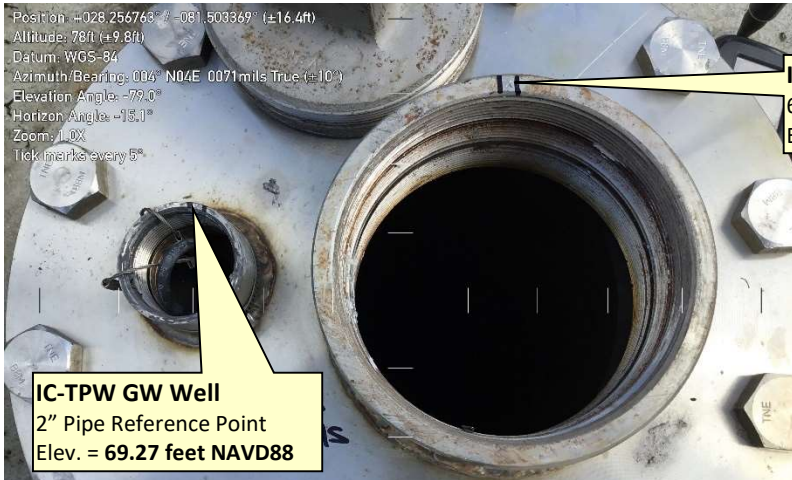
**IC-TPW GW Well**  
 Latitude: 28° 15' 24.37"  
 Longitude: -81° 30' 11.95"



**Benchmark "IC-TPW 2019"**  
 Latitude: 28° 15' 24.37"  
 Longitude: -81° 30' 11.95"  
 El. 67.77 feet NAVD88

Position: +028.256766° / -081.503369° (±16.4ft)  
 Altitude: 78ft (±9.8ft)  
 Datum: WGS-84  
 Azimuth/Bearing: 004° N04E 0071mils True (±10°)  
 Elevation Angle: -79.0°  
 Horizon Angle: -15.1°  
 Zoom: 1.0X  
 Tick marks every 5°

**IC-TPW GW Well**  
 6" Pipe Reference Point  
 Elev. = 69.41 feet NAVD88



**IC-TPW GW Well**  
 2" Pipe Reference Point  
 Elev. = 69.27 feet NAVD88



**TAG DENOTES REF. ELEV. for 2" Pipe**

**WELL IS MISLABELED! DISREGARD SHARPIE MARKINGS, THIS IS WELL IC-TPW**





# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

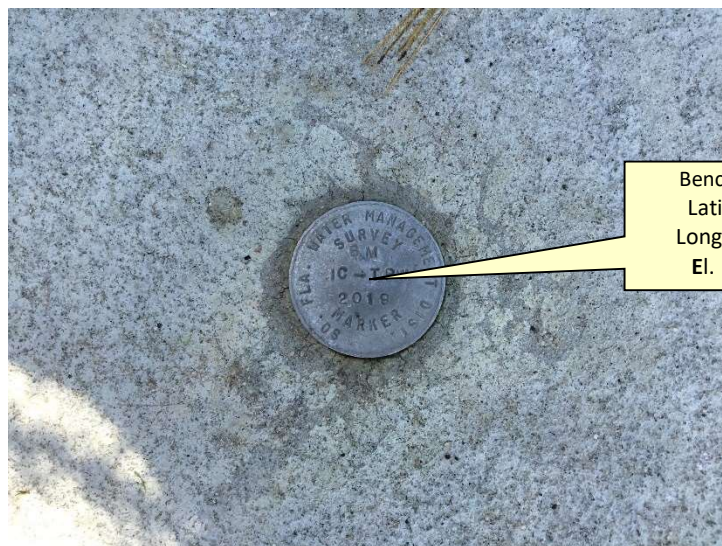
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## IC-TPW SITE BENCHMARK "IC-TPW 2019" El. = 67.77 feet (NAVD88)

Position: +028.256770° / -081.503319° (±32.8ft)  
Altitude: 89ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 221° S41W 3929mils True (±10°)  
Elevation Angle: -12.9°  
Horizon Angle: -01.1°  
Zoom: 1.0X  
Tick marks every 5°



Benchmark "IC-TPW 2019"  
Latitude: 28° 15' 24.37"  
Longitude: -81° 30' 11.95"  
El. 67.77 feet NAVD88



Benchmark "IC-TPW 2019"  
Latitude: 28° 15' 24.37"  
Longitude: -81° 30' 11.95"  
El. 67.77 feet NAVD88



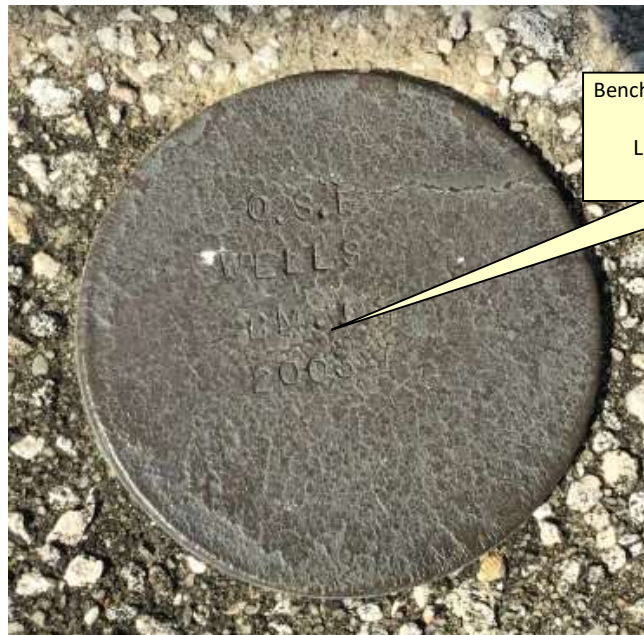


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## INRCTY SITE BENCHMARK "OSF WELLS BM 1 2003" El. = 67.77 feet (NAVD88)

Position: +028.255887° / -081.503902° ( $\pm 16.4$ ft)  
Altitude: 87ft ( $\pm 13.1$ ft)  
Datum: WGS-84  
Azimuth/Bearing: 019° N19E 0338mils True ( $\pm 10^\circ$ )  
Elevation Angle: +01.2°  
Horizon Angle: -02.3°  
Zoom: 1.0X  
Tick marks every 5°



Benchmark "OSF WELLS BM 1 2003"  
Latitude: 28°15'21.381"  
Longitude: -81°30'13.684"  
El. 67.68 feet NAVD88





### South Florida Water Management District Benchmark Datasheet

Designation: <b>IC-TPW</b>	Project Name: <b>SCADA Wells 2020</b>	Type: <b>V</b>	State Plane Zone: <b>FL East</b>
Stamping: <b>IC-TPW 2019</b>	Field Book Name: <b>MISC 7G</b>	Field Book Page: <b>58</b>	
Established By: _____	Recovered By: <b>N. Strickland</b>	Recovery Date: <b>06/11/20</b>	
Surveyor: <b>N. Strickland</b>	Established Date: <b>07/11/05</b>	Status: <b>New</b>	

#### GEOGRAPHIC POSITION INFORMATION

Section: <b>3</b>	Township: <b>26 SOUTH</b>	Range: <b>28 EAST</b>
County: <b>Osceola</b>	Quadrangle: _____	Quad Index: _____
NAD83 Adj. Year: _____	Vertical Datum: <b>NAVD1988</b>	Horizontal Datum: <b>NAD1983</b>
NAVD88 Elevation (feet): _____	NGVD29 Elevation (feet): _____	2022 Elevation: _____
NAVD88 Class: _____	NGVD29 Class: _____	Other Elevation: _____
NAVD88 Order: _____	NGVD29 Order: _____	Other Elevation Type: _____

CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): (A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville FL)

Vertical Datum Offset: + **0.94**      Actual NGS Elevation or ngvd29.txt file: \_\_\_\_\_      OPUS Ortho Height: \_\_\_\_\_

Northing (Y) (feet): _____	Easting (X) (feet): _____	Source of Latitude & Longitude: <b>Handheld GPS</b>
Latitude: <b>28</b>	<b>15</b>	<b>24.37</b>
Longitude: <b>-81</b>	<b>30</b>	<b>11.95</b>
DD°	MM'	SS"
Latitude (Decimal Degrees): <b>28.25676944</b>	Longitude (Decimal Degrees): <b>80.49668056</b>	

#### RECOVERY DATA

How to Reach: **FROM THE INTERSECTION OF UNITED STATES HIGHWAY 17/92 (US 17/92) AND TALLAHASSEE BOULEVARD IN INTERCESSION CITY, GO EAST ON US 17/92 A DISTANCE OF 0.25 OF A MILE TO A ROAD INTERSECTION SHEPHERD LANE TO THE SOUTH AND NOCATEE STREET TO THE NORTH. THEN GO SOUTH ON SHEPHERD LANE 0.25 OF A MILE TO WILE ROAD. THEN GO EAST ON WILE ROAD 0.125 OF A MILE TO A FENCE WITH A GATE. GO THROUGH THE GATE AND GO SOUTH ALONG THE FENCE, 250 FEET MORE OR LESS TO THE STATIONS LOCATION.**

Description/Notes: **Benchmark is Aluminum disk set in concrete well pad of station IC-TPW.**

Notable Landmarks: **INRCTYE Well Site**

Other Source Benchmarks: **OSF WELLS BM 1 2003 located at original INRCTY well site**

#### PICTURES

Aerial View of Overall Site



#### PICTURES

Site Sketch



Benchmark "IC-TPW 2019"  
 Latitude: **28° 15' 24.37"**  
 Longitude: **-81° 30' 11.95"**  
 El. **67.77 feet NAVD88**



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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DESIGNATION: <b>OSFWELLSBM1</b>	PROJECT: <b>CFWI DMIT Wetland Intercession City</b>
ESTABLISHED BY: <b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT</b>	SURVEYOR: <b>Gregory A. Prather</b>
RECOVERED BY: <b>PICKETT AND ASSOCIATES, INC.</b>	DATE: <b>June 25, 2018</b>

## GEOGRAPHIC POSITION

SECTION <b>03</b>	TOWNSHIP <b>26 SOUTH</b>	RANGE <b>28 EAST</b>
COUNTY: <b>Osceola</b>	NAME OF QUADRANGLE: <b>Intercession City</b> GEOGRAPHIC INDEX OF QUAD: <b>3513</b>	
HORIZONTAL DATUM: 1927 <b>(1983)</b> 2022 Other ___ (circle one) ZONE <b>(E)</b> or W		
VERTICAL DATUM: MSL 1929 <b>(1988)</b> 2022 Other ___ (circle one)		
VERTICAL ACCURACY: 1 2 <b>(3)</b>		
STATE PLANE COORDINATE	(N) Y= <b>1426092.27</b>	(E) X= <b>493979.69</b>
		NAVD 88 EL. <b>67.680</b> NGVD 29 EL. <b>68.618</b>

CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): **0.938'**

(A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville FL.)

ACTUAL NGS or (ngvd29.txt file)

OPUS Ortho Height

LATITUDE: **28° 15' 21.38148" (N)** LONGITUDE: **81° 30' 13.68407" (W)** (OPUS – NAD\_83 (2011) EPOCH:2010.0000)

## RECOVERY DATA

Stamping: OSFWELLSBM1

To Reach: From the intersection of US17/92 & Tallahassee Blvd, East on US 17/19 0.25 Miles to intersection of Shepherd Ln & Nocatee St, South on Shepherd Ln 0.25 Miles to Wile Rd, East on Wile Road 0.125 Miles to a gate, thru the gate and south 250 ft to the mark set in a concrete slab.

NOTABLE LAND MARKS:

NGS-SOURCE BENCHMARK:

FIELD BOOK **928 PAGE 7-8**

## PICTURES

Aerial Overall Site



Google Earth

© 2018 Google





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Looking West (Oblique not to scale) (July 28, 2018)

No Tag found at this well site



Top View (Not to Scale) (July 28, 2018)



SEC 3 TWP 26 RGE 28

ESTABLISH ELEV ON NEW WELL OSF-99

STA	+	HI	-	ELEV	BM EL
BM	4.94	72.62			67.68 NAVD 88
BM			4.85	67.77	
REF "X"			1.84	70.78	70.78
NE CONC		4.59		68.03	
SE "		4.56		68.06	
SW "		4.54		68.08	
NW "		4.56		68.06	
NE GRND		5.1		67.52	
SE "		4.7		67.92	
SW "		4.9		67.72	
NW "		5.0		67.62	

- \* NOTE: USED ELEV 67.68 NAVD 88 FROM ALEXIS SCHAUER & PICKETT SURVEY JULY 28, 2018 SEE REF
- \* THE SFIRMS VERTICAL CONTROL DATA SHEET STATES NAVD 88 ELEV = 67.51

CONT'D NEXT PAGE

WIND LEVEL

STRICKLAND

\* REF: CFINE DMIT WETLAND INTERCESSION CITY; CADD FILE # 18679 DWG LD6377 SHEETS 1-2 7-28-18

COMMENTS

BM OSF WELL BM1 2003 FID 3" DIA BRASS DISK GOOD COND

BM IC - TPW 2019 FID SFIRMS ALUM CAP IN THE NE CORNER of 4'x4' CONC PAD of SS WELL SITE IC-SAS WELL THAT IS LABELED "IC-SAS" WITH SHARPIE IS ACTUALLY WELL "IC-TPW"

REF "X" LOCATED @ SSW SIDE of 10" PVC PIPE OSF-99

NE CORNER CONC PAD 4'x4'

SE " " " "

SW " " " "

NW " " " "

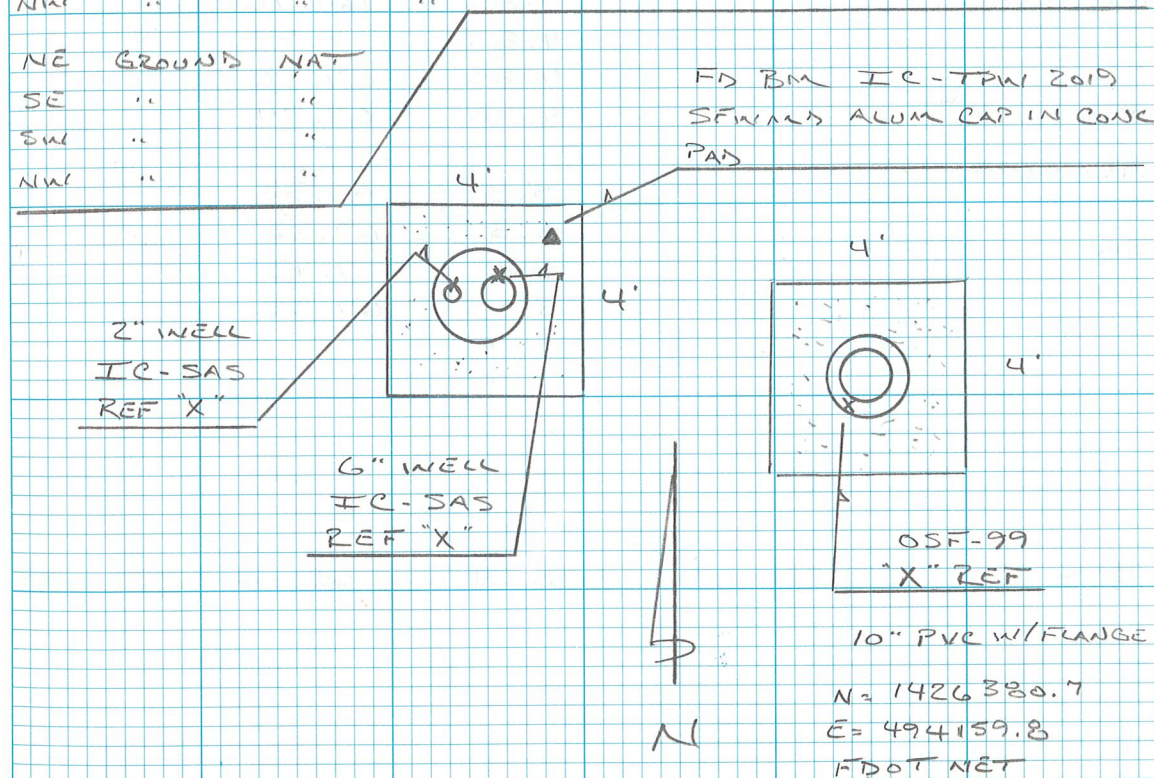
NE GROUND NAT

SE " " " "

SW " " " "

NW " " " "

FID BM IC-TPW 2019 SFIRMS ALUM CAP IN CONC PAD



10" PVC W/FLANGE  
N = 1426380.7  
E = 494159.8  
FDOT NET



SEC 3 TWP 26 RGE 28

CONT'D FROM PG-58

ESTABLISH ELEV ON SS WELL IC-SAS

STA	+ HI	-	ELEV	BM EL
			72.62	

REF "X"		3.21	69.41	69.41
6" SS				

REF "X"		3.35	69.27	69.27
2" SS				

NE CONC	4.86	67.76	
SE	4.87	67.75	
SW	4.86	67.76	
NW	4.88	67.74	

NE BRNS	5.3	67.32	
SE	5.3	67.32	
SW	5.2	67.42	
NW	5.3	67.32	

BM	4.94	67.68	67.68
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N III STRICKLANDS  
N WISE

COMMENTS

REF "X" LOCATED @ N. LIP of 6" SS COUPLER IC-SAS WELL ON 18" DIA SS FLANGE WELL THAT IS LABELED "IC-SAS" WITH SHARPIE IS ACTUALLY WELL "IC-TPW"

REF "X" LOCATED @ N. LIP of 2" SS COUPLER IC-SAS WELL ON 18" DIA SS FLANGE WELL THAT IS LABELED "IC-SAS" WITH SHARPIE IS ACTUALLY WELL "IC-TPW"

NE CORNER CONC PAD	4'x4'
SE	"
SW	"
NW	"

NE BRNS	NAT
SE	"
SW	"
NW	"

BM OSF WELL BM 1 2003 PG-58