



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

SCADA RTU Station Name: <b>C43225A</b> <b>C43225B</b>	DB Hydro Station Name: <b>C43225G1</b> <b>C43225G2</b>	DB Hydro Site Name: <b>C43225</b>	Agency: <b>S.F.W.M.D</b>	Date of Field Work: <b>3/27/2019</b>
Party Chief: <b>EBANKS</b>	Field Book: <b>SCADA FB# 13</b>	Page(s): <b>24</b>		Prepared by: <b>E. Ebanks</b>

### SITE SPECIFIC DATA

Site Benchmark(s): <b>PZ225A</b> <b>PZ225B</b>	Benchmark Elevation(s) (NAVD88) <b>12.58feet</b> <b>12.29feet</b>	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) <b>+1.26 feet</b>
Reference Elevation(s) (NAVD88): <b>C43225A = 15.86 feet</b> <b>C43225B = 15.88 feet</b>		Calibration Port Elevation(s) (NAVD88): <b>N/A</b>
Ground Elevation (NAVD88): <b>12.6 feet</b>		Pad Elevation (NAVD88): = <b>12.56 feet</b>

### GEOGRAPHIC DATA

Section <b>29</b>		Township <b>43 South</b>	Range <b>28 East</b>
Well(s) Gate(s)	Latitude: <b>C43225A 26°42'27.2"</b> <b>C43225B 26°42'27.3"</b>	Longitude: <b>C43225A - 81°32'59.4"</b> <b>C43225B - 81°32'59.5"</b>	Source: <b>Scaled pick point aerial esri product</b>
Benchmark(s)	State Plane Coordinates	Northing (Y) = <b>N/A</b>	Easting (X) = <b>N/A</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

## Aerial of Overall Site

Not to scale (esri product)

**Benchmark "PZ225B"**  
Latitude: **26°42'27.8"**  
Longitude: **- 81°32'59.6"**  
El. **12.29 feet NAVD88**

**C43225A**  
Latitude: **26°42'27.2"**  
Longitude: **- 81°32' 59.4"**

**C43225B**  
Latitude: **26°42'27.3"**  
Longitude: **- 81°32'59.5"**

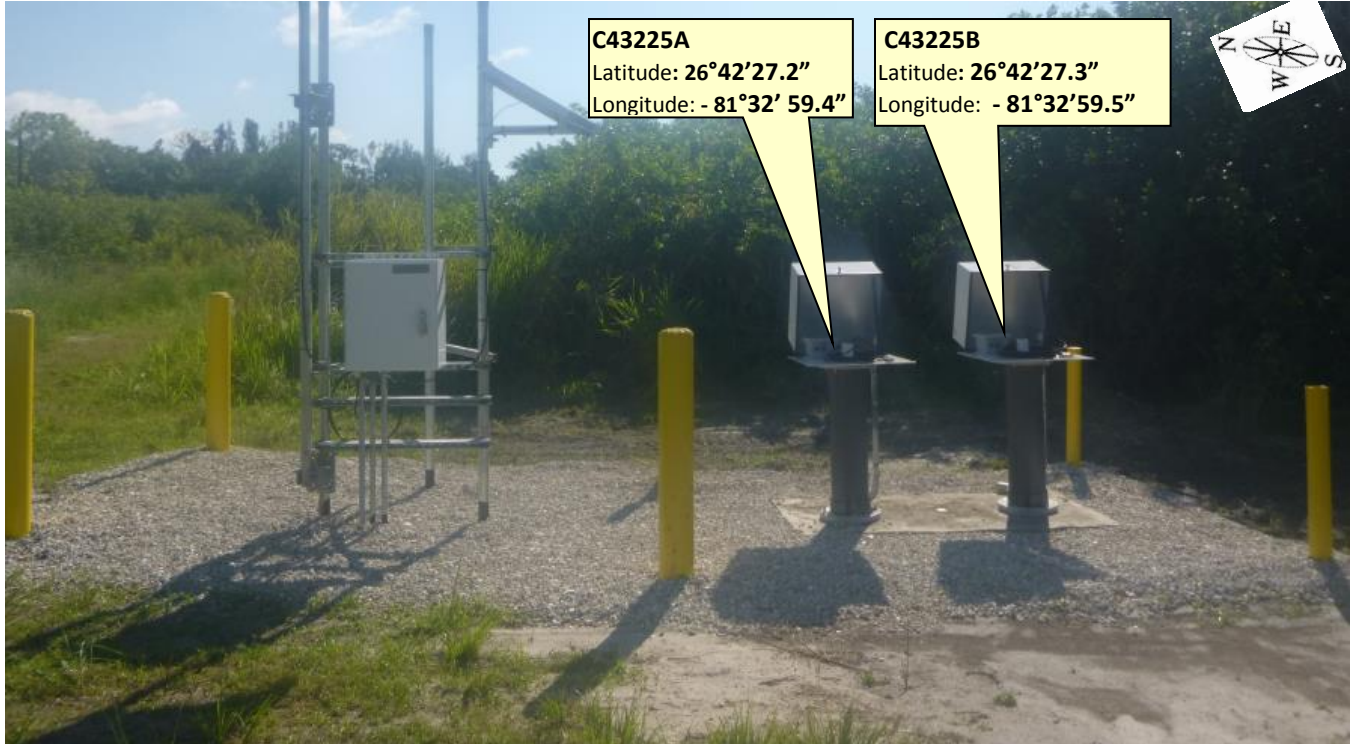
**Benchmark "PZ225A"**  
Latitude: **26°42'27.3"**  
Longitude: **- 81°32'59.5"**  
El. **12.58 feet NAVD88**



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## C43225 Piezometer Well Site

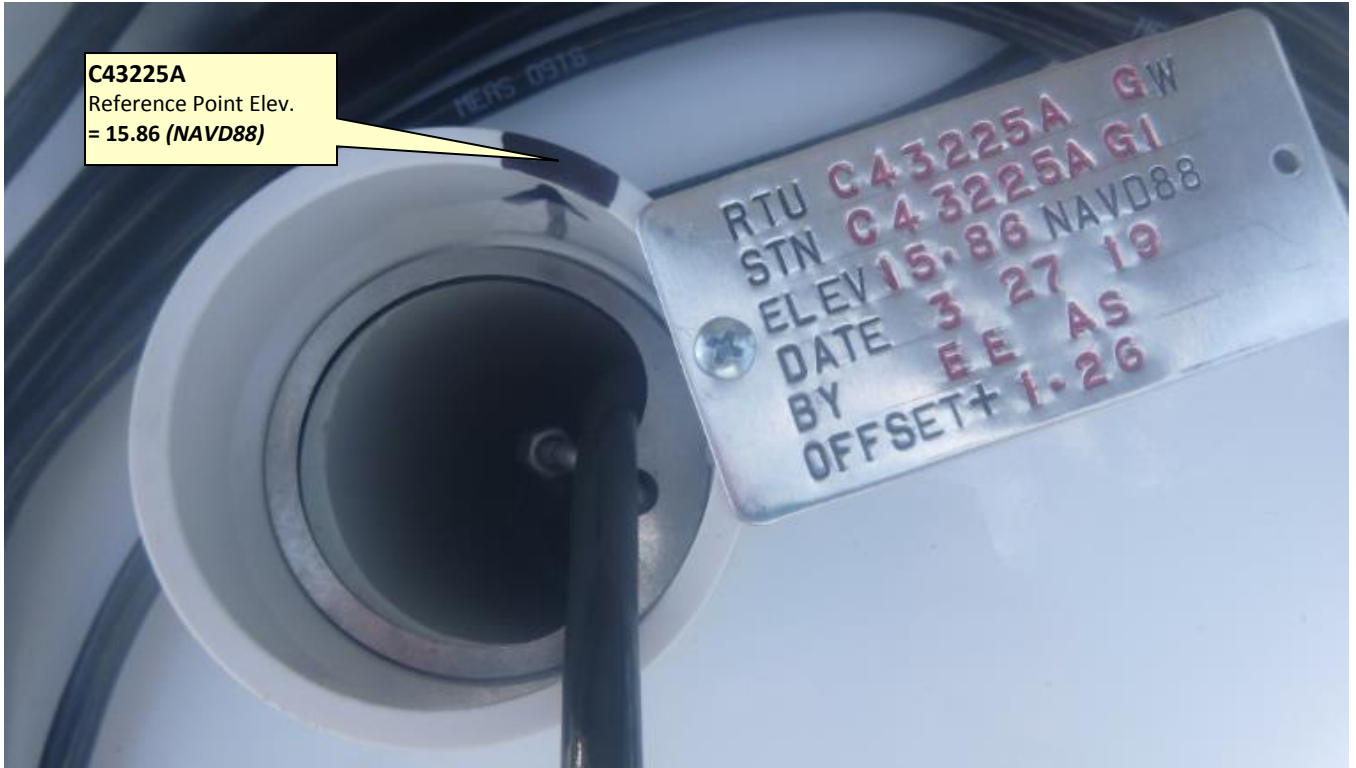




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## C43225 Piezometer Wells







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**"PZ225A" Benchmark Location**  
Benchmark: El. **12.58 feet (NAVD88)**



Benchmark **"PZ225A"**  
Latitude: **26°39'58.0"**  
Longitude: **-81°32'50.6"**  
El. **12.58 feet NAVD88**





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## "PZ225B" Benchmark Location Benchmark: El. 12.29 feet (NAVD88)



Benchmark "PZ225B"  
Latitude: 26°42'27.8"  
Longitude: -81°32'59.6"  
El. 12.29 feet NAVD88

Benchmark "PZ225B"  
Latitude: 26°42'27.8"  
Longitude: -81°32'59.6"  
El. 12.29 feet NAVD88





# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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## "PZ225A" Benchmark Datasheet (1 of 1)



### SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION: PZ 225A		PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS	
ESTABLISHED BY: J. HAYWOOD		SURVEYOR: SCOTT URQUHART	
RECOVERED BY		DATE: JANUARY 29, 2018	
<b>GEOGRAPHIC POSITION</b>			
SECTION: 29	TOWNSHIP: 43 SOUTH	RANGE: 28 EAST	
COUNTY: HENDRY	NAME OF QUADRANGLE: ALVA		
GEOGRAPHIC INDEX OF QUAD:			
HORIZONTAL DATUM: 1927 (1983) Other _____ (circle one) ZONE (E) or W			
VERTICAL DATUM: MSL 1929 (1988) Other N/A (circle one)			
CONTROL ACCURACY: HORIZONTAL 1 2 (3) _____ (circle one) VERTICAL 1 2 (3) N/A			
STATE PLANE COORDINATES	X = 476661.7	Y = 863255.4	NAVD 88 ELEV. 12.68' NGVD 29 ELEV. 13.84'
LATITUDE = N25° 42' 27.20"		LONGITUDE = W81° 32' 59.47"	
<b>RECOVERY DESCRIPTION</b>			
Stamping: SET ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST. "PZ 225A LB 7975 2018"			
To Reach: To reach the station from the intersection of S.R. 80 and West Cowboy Way, Go along S.R. 80 SW for 3.9 miles to Congen Rd. on the left. Go along Congen Rd. South 0.14 miles to gate (SFWMD Lock) continue South 0.4 miles to the intersection of an East-West dirt road. Thence go West, along the dirt road, for 2.5 miles, to the intersection with a dirt road to the North. Thence go North, along the dirt road on the East side of a canal, for 0.4 miles, to the well site.			
Notable Land marks: PZ 225 A, is an aluminum disk set in a concrete pad and is 11.5 ft. East of the edge of a dirt road. 7.5 ft. NE of SW bollard around wells. 6.5 ft. NW of SE bollard around wells.			
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# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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"PZ225B" Benchmark Datasheet (1 of 1)



## SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION: PZ 225B		PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS	
ESTABLISHED BY: J. HAYWOOD		SURVEYOR: SCOTT URQUHART	
RECOVERED BY		DATE: JANUARY 29, 2018	
<b>GEOGRAPHIC POSITION</b>			
SECTION: 29	TOWNSHIP: 43 SOUTH	RANGE: 28 EAST	
COUNTY: HENDRY	NAME OF QUADRANGLE: ALVA		
	GEOGRAPHIC INDEX OF QUAD:		
HORIZONTAL DATUM: 1927 (1983) Other _____ (circle one)		ZONE (E) or W	
VERTICAL DATUM: MSL 1929 (1988) Other N/A (circle one)			
CONTROL ACCURACY: HORIZONTAL 1 2 (3) _____ (circle one)		VERTICAL 1 2 (3) N/A	
STATE PLANE COORDINATES	X = 476647.0	Y = 863307.6	NAVD 88 ELEV. 12.29'
			NGVD 29 ELEV. 13.55'
LATITUDE = N26° 42' 27.72"		LONGITUDE = W81° 32' 59.63"	
<b>RECOVERY DESCRIPTION</b>			
Stamping: POURED IN PLACE CONCRETE MONUMENT WITH ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST."PZ 225B LB 7975 2018"			
To Reach: To reach the station from the intersection of S.R. 80 and West Cowboy Way, Go along S.R. 80 SW for 3.9 miles to Congen Rd. on the left. Go along Congen Rd. South 0.14 miles to gate (SFWMD Lock) continue South 0.4 miles to the intersection of an East-West dirt road. Thence go West, along the dirt road, for 2.5 miles, to the intersection with a dirt road to the North. Thence go North, along the dirt road on the East side of a canal, for 0.4 miles, to the well site.			
Notable Land marks: PZ 225 B, is a poured in place concrete monument with an aluminum disk and is 4.0 ft. South of a wood power pole with overhead power lines running North. 9.2 ft. SW of the NW corner of a concrete pad. 9.1 ft. NW of the SW corner of a concrete pad.			
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## Field Notes (1 of 1)

24 SCADA FB#13 3/27/19  
 SEC 29 TWP 43 R3E 28  
 ESTABLISH REFERENCE ELEVATION FOR C-43  
 RESERVOIR WPL63 FB-225 QU57#21

STA	+ #	+II #	- #	ELEV	REMARKS
BM#225A	4.75	17.33		12.58 ✓	NAVD83
GW1-A			1.47	15.86	
GW2-B			1.45	15.88	
COCK PAIN SW			4.77	12.56	
COCK PAIN SE			4.78	12.55	
COCK PAIN NE			4.79	12.57	
COCK PAIN NW			4.74	12.59	
COCK PAIN S 120'			4.8	12.53-	
COCK PAIN W 120'			4.6	12.73-	
COCK PAIN N 120'			4.7	12.63 ✓	
COCK PAIN - E			NA		
BM#225B			5.04	2.29	DISBURGED TO EAST
BM#225B	4.92	17.21			
GW2-B			1.33	15.88	
GW1-A			1.35	15.80	
BM#225A			4.63	12.58 ✓	