



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

SCADA RTU Station Name: C43213A C43213B	DB Hydro Station Name: C43213G1 C43213G2	DB Hydro Site Name: C43213	Agency: S.F.W.M.D	Date of Field Work: 3/27/2019
Party Chief: EBANKS	Field Book: SCADA FB# 13	Page(s): 25	Prepared by: E. Ebanks	

SITE SPECIFIC DATA

Site Benchmark(s): PZ213A PZ213B	Benchmark Elevation(s) (NAVD88) 24.49feet 23.80feet	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.24 feet
Reference Elevation(s) (NAVD88): C43213A = 27.75 feet C43213B = 27.76 feet	Calibration Port Elevation(s) (NAVD88): N/A	
Ground Elevation (NAVD88): 24.0 feet	Pad Elevation (NAVD88): 24.44 feet	

GEOGRAPHIC DATA

Section 9	Township 44 South	Range 28 East
Well(s) Gate(s) Benchmark(s)	Latitude: C43213A 26°39'33.7" C43213B 26 °39'33.6" State Plane Coordinates	Longitude: C43213A - 81°31'59.6" C43213B - 81°31'59.6" Northing (Y) = N/A
		Source: Scaled pick point aerial esri product Easting (X) = N/A

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)

C43213A
Latitude: 26°39'33.7"
Longitude: - 81°31' 59.6"

Benchmark "PZ213A"
Latitude: 26°39'33.7"
Longitude: - 81°31'59.6"
El. 24.49 feet NAVD88

C43213B
Latitude: 26°39'33.6"
Longitude: - 81°31'59.6"

Benchmark "PZ213B"
Latitude: 26°39'33.4"
Longitude: - 81°31'59.4"
El. 23.80 feet NAVD88



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C43213 Piezometer Well Site

C43213A
Latitude: $26^{\circ}39'33.7''$
Longitude: $-81^{\circ}31'59.6''$

C43213B
Latitude: $26^{\circ}39'33.6''$
Longitude: $-81^{\circ}31'59.6''$

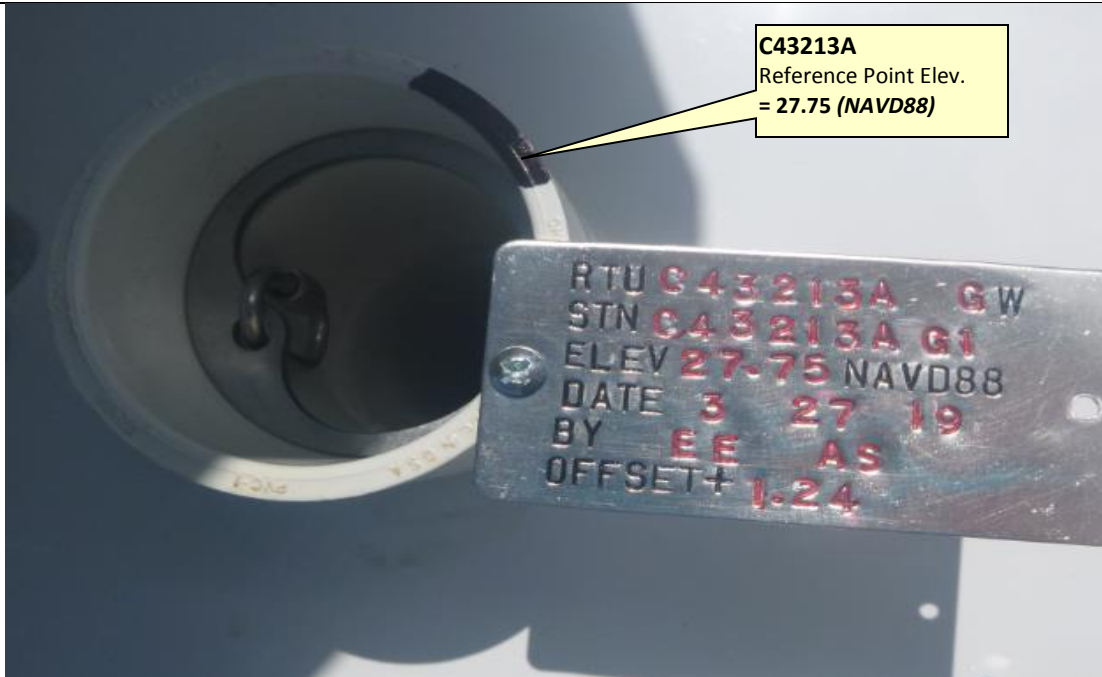




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C43213 Piezometer Wells



C43213A
Reference Point Elev.
= 27.75 (NAVD88)



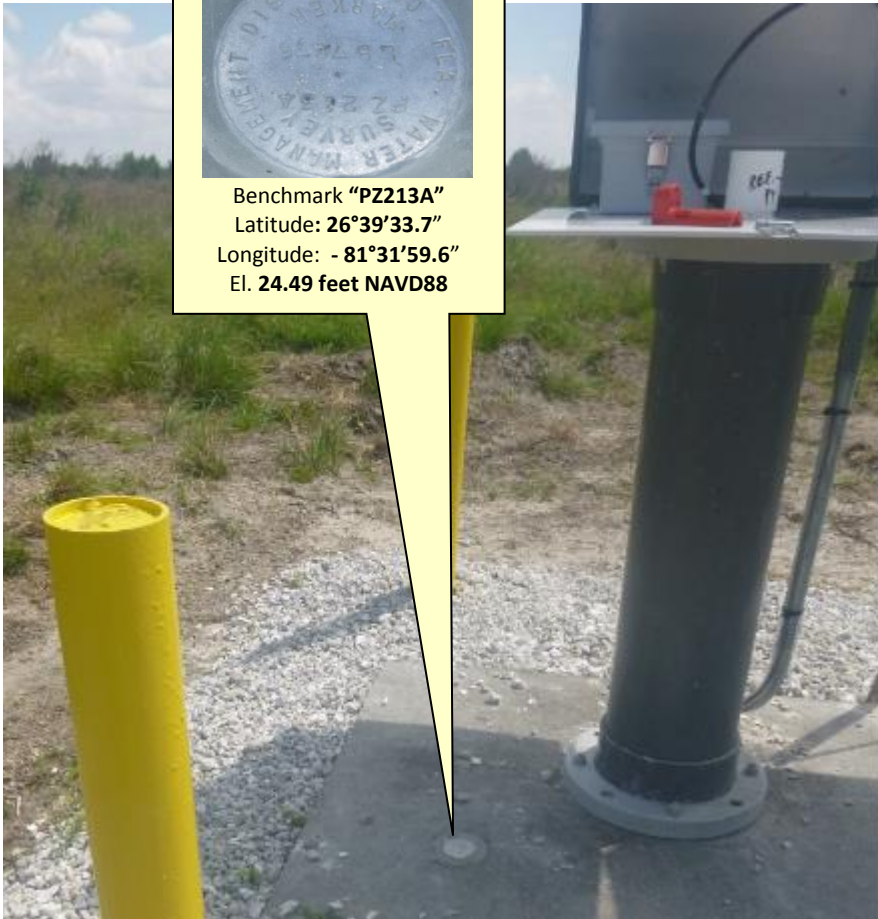
C43213B
Reference Point Elev.
= 27.76 (NAVD88)



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"PZ213A" Benchmark Location Benchmark: El. 24.49 feet (NAVD88)



Benchmark "PZ213A"
Latitude: 26°39'33.7"
Longitude: - 81°31'59.6"
El. 24.49 feet NAVD88





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"PZ213B" Benchmark Location
Benchmark: El. **23.80 feet (NAVD88)**



Benchmark **"PZ213B"**
Latitude: **26°39'33.4"**
Longitude: **-81°31'59.4"**
El. **23.80 feet NAVD88**



Benchmark **"PZ213B"**
Latitude: **26°39'33.4"**
Longitude: **- 81°31'59.4"**
El. **23.80 feet NAVD88**



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"PZ213A" Benchmark Datasheet (1 of 1)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION: PZ 213A		PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS	
ESTABLISHED BY: J. HAYWOOD		SURVEYOR: SCOTT URQUHART	
RECOVERED BY		DATE: MARCH 1, 2018	
GEOGRAPHIC POSITION			
SECTION: 9	TOWNSHIP: 44 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 = 482016.4	Y = 845709.4	NAVD 88 ELEV. 24.49' NGVD 29 ELEV. 25.81'
LATITUDE = 26° 39' 33.66"		LONGITUDE = 81° 31' 59.61"	
RECOVERY DESCRIPTION			
Stamping: SET ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST. " PZ 213A 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 East 0.26 miles to the junction of a dirt road south. Thence south for 3.0 miles till the road turns west. Go west for 1.7 miles till the road turns North, continue 0.1 miles and the mark is on the right.			
Notable Land marks: PZ 213A is an aluminum disk set in the Northwest corner of the concrete well pad that is 52 ft. East of the top of bank of the canal where it turns North. 3.5 ft. Southwest of the Northeast bollard around the wells, and 2 ft. Southeast of the Northwest bollard around the wells.			
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"PZ213B" Benchmark Datasheet (1 of 1)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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DESIGNATION: PZ 213B		PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS	
ESTABLISHED BY: J. HAYWOOD		SURVEYOR: SCOTT URQUHART	
RECOVERED BY		DATE: MARCH 1, 2018	
GEOGRAPHIC POSITION			
SECTION: 9	TOWNSHIP: 44 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 = 482030.8	Y = 845681.9	NAVD 88 ELEV. 23.80' NGVD 29 ELEV. 25.12'
LATITUDE = 26° 39' 33.39"		LONGITUDE = 81° 31' 59.45"	
RECOVERY DESCRIPTION			
Stamping: POURED IN PLACE CONCRETE MONUMENT WITH ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST. "PZ 213B 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 East 0.26 miles to the junction of a dirt road south. Thence south for 3.0 miles till the road turns west. Go west for 1.7 miles till the road turns North, continue 0.1 miles and the mark is on the right.			
Notable Land marks: PZ 213B is a poured in place concrete monument with aluminum disk 55 ft. East of the top of bank of the canal where it turns North. 27.5 ft. Southeast of the Southwest bollard around the wells and 25.0 ft. Southeast of the of the Southeast bollard around the wells.			
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Field Notes (1 of 1)

SCADA FB#13 3-27-19 25

ESTABLISH REF ELEV FOR C-43 EBANKS
SCHAEFER

P2213A DIAPHRAGM P2213
WCLIS

STA	±	HI	-	ELEV	REMARKS
BM P2213A	4.59	29.06		24.49	(W/128)
GW 1-A			1.33	27.75	✓
GW 2-B			1.32	27.70	✓
CONC PAD SW			4.68	24.40	
CONC PAD SE			4.63	24.45	
CONC PAD NE			4.59	24.49	
CONC PAD NW			4.60	24.42	
GROUND N+20'			5.1	23.98	✓
GROUND E+20'			4.7	24.38	✓
GROUND W+20'			5.3	23.78	✓
GROUND S+20'			5.1	23.98	✓
BM P2213B			5.28	23.90	
BM P2213B	5.17	28.97			(RT)
GW 2-B			1.21	27.70	
GW 1-A			1.22	27.75	
BM P2213A			4.40	24.40	✓