



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

SCADA RTU Station Name: C43217A C43217B	DB Hydro Station Name: C43217G1 C43217G2	DB Hydro Site Name: C43217	Agency: S.F.W.M.D	Date of Field Work: 5/07/2019
Party Chief: EBANKS	Field Book: SCADA FB# 13	Page(s): 29		Prepared by: E. Ebanks

SITE SPECIFIC DATA

Site Benchmark(s): PZ217A PZ217B	Benchmark Elevation(s) (NAVD88) 18.05feet 18.16feet	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.28 feet
Reference Elevation(s) (NAVD88): C43217A = 21.96 feet C43217B = 21.99 feet		Calibration Port Elevation(s) (NAVD88): N/A
Ground Elevation (NAVD88): 18.1 feet		Pad Elevation (NAVD88): A= 18.67 feet, B= 18.70 feet

GEOGRAPHIC DATA

Section 25	Township 43 South	Range 28 East	
Well(s) Gate(s) Benchmark(s)	Latitude: C43217A 26°43'02.1" C43217B 26°43'02.1" State Plane Coordinates	Longitude: C43217A - 81°28'25.2" C43217B - 81°28'25.2" 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)

Benchmark "PZ217B"
Latitude: **26°43'02.1"**
Longitude: **- 81°28'25.6"**
El. **18.16 feet NAVD88**

C43217A
Latitude: **26°43'02.1"**
Longitude: **- 81°28'25.2"**

C43217B
Latitude: **26°43'02.1"**
Longitude: **- 81°28'25.2"**

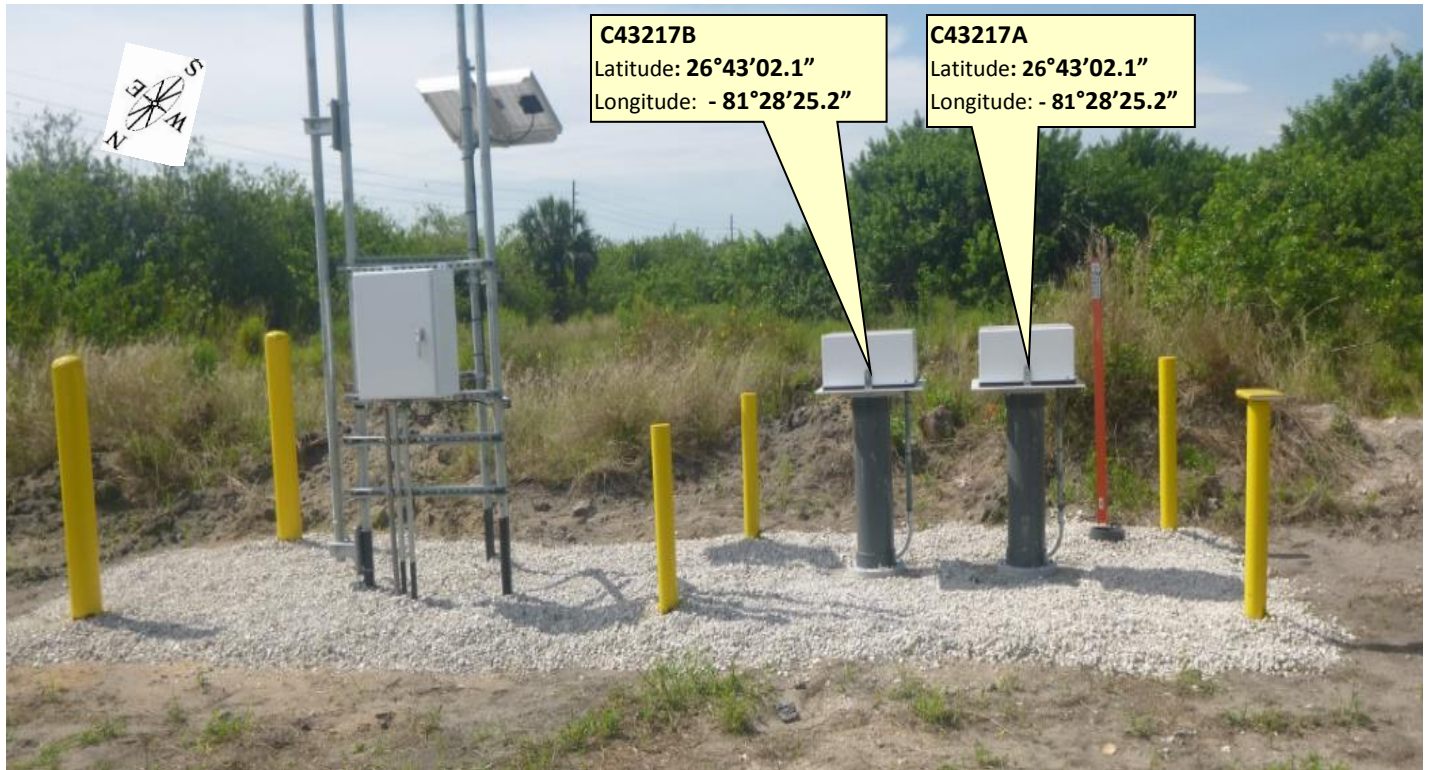
Benchmark "PZ217A"
Latitude: **26°43'02.1"**
Longitude: **- 81°28'25.2"**
El. **18.05 feet NAVD88**



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C43217 Piezometer Well Site

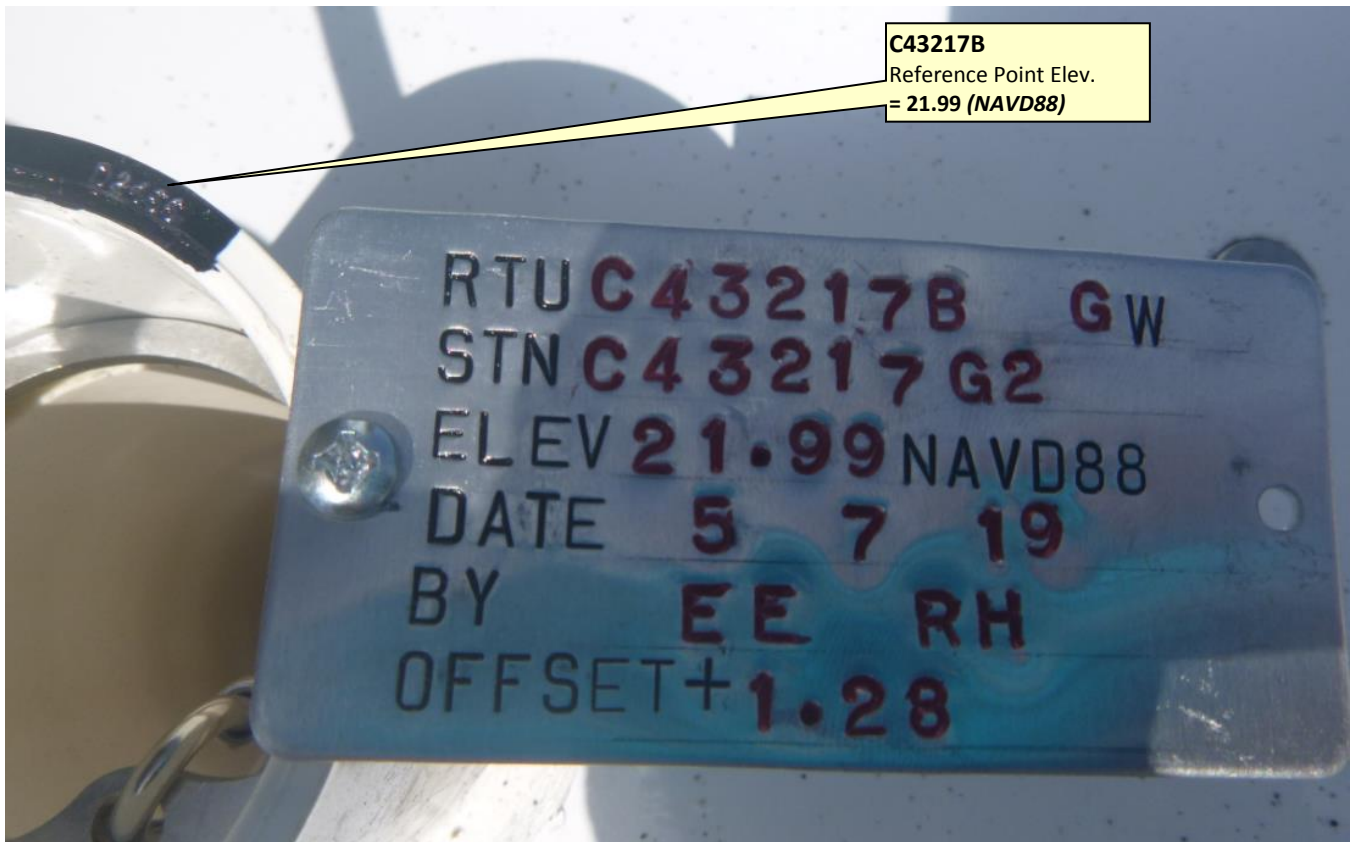
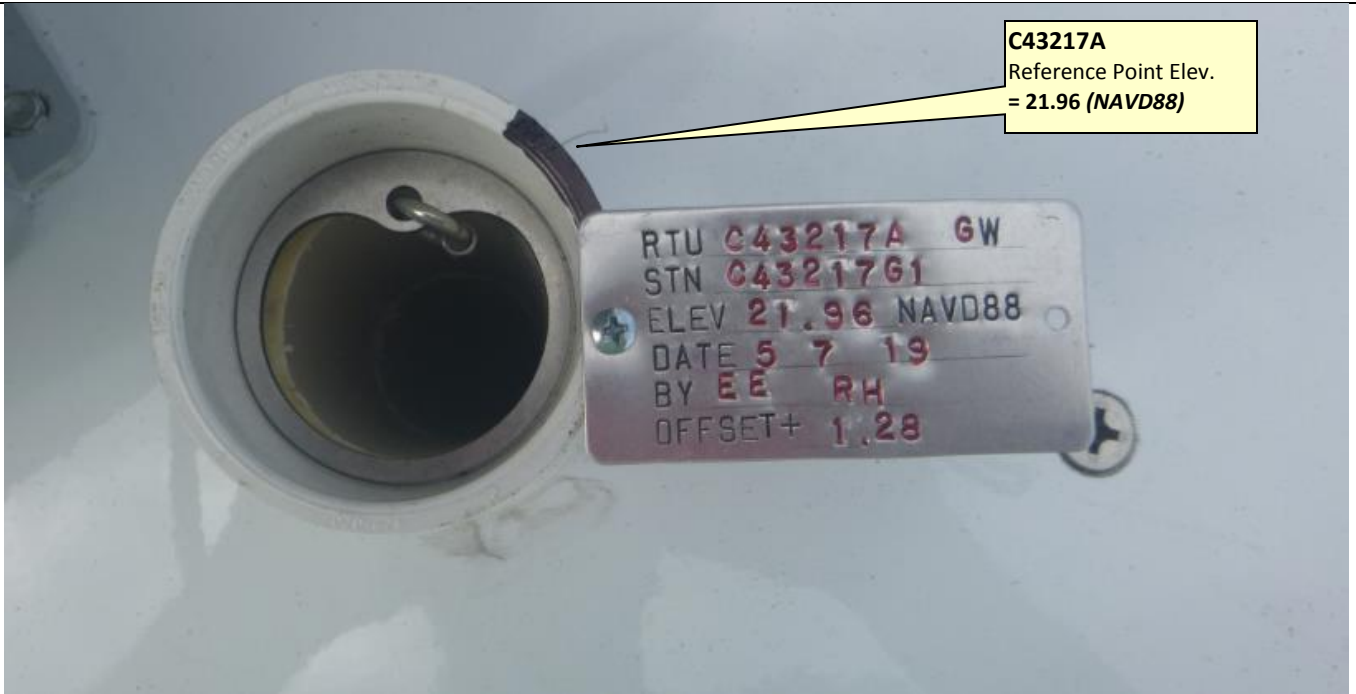




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C43217 Piezometer Wells





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"PZ217A" Benchmark Location
Benchmark: El. 18.05 feet (NAVD88)



Benchmark "PZ217A"
Latitude: 26°43'02.1"
Longitude: - 81°28'25.2"
El. 18.05 feet NAVD88



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"PZ217B" Benchmark Location Benchmark: El. 18.16 feet (NAVD88)



Benchmark "PZ217B"
Latitude: 26°43'02.1"
Longitude: -81°28'25.6"
El. 18.16 feet NAVD88



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"PZ217A" Benchmark Datasheet (1 of 1)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION: PZ 217A		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: 25	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 = 501542.8	Y = 866676.9	NAVD 88 ELEV. 18.05' NGVD 29 ELEV. 19.33'
LATITUDE = N26° 43' 02.08"		LONGITUDE = W81° 28' 25.24"	
RECOVERY DESCRIPTION			
Stamping: POURED IN PLACE CONCRETE MONUMENT WITH ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST."PZ 217A 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 East along the dirt road 1.2 miles to a bridge. Thence continue East 200 ft. to the junction of a North-South dirt road. Thence continue East on the South side of a canal for 1 mile to the junction of a North-South dirt road. From junction of North - South dirt road go North 1 mile. The marks on the left.			
Notable Land marks: PZ 217 A, is a poured in place concrete monument with an aluminum disk and is 45 feet northwest of the west end of a 48 inch corrugated metal pipe, 7 feet west of the southeast bollard around the wells, 9 feet North of the top of bank of the East - West canal, and 2 feet North of carsonite post.			
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"PZ217B" Benchmark Datasheet (1 of 1)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 8/07

DESIGNATION: PZ 217B		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: 25	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 - 501507.5	Y - 866675.5	NAVD 88 ELEV. 18.16' NGVD 29 ELEV. 19.44'
LATITUDE = N26° 43' 02.06"		LONGITUDE = W81° 28' 25.63"	
RECOVERY DESCRIPTION			
Stamping: POURED IN PLACE CONCRETE MONUMENT WITH ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST. "PZ 217B 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 East along the dirt road 1.2 miles to a bridge. Thence continue East 200 ft. to the junction of a North-South dirt road. Thence continue East on the South side of a canal for 1 mile to the junction of a North-South dirt road. From junction of North - South dirt road go North 1 mile. The marks on the left.			
Notable Land marks: PZ 217 B, is a poured in place concrete monument with an aluminum disk and is 76 feet northwest of the north end of 48 inch corrugated metal pipe, 34 feet southwest of the northwest bollard around monitoring wells, 8 feet North of top of bank of the East - West canal, and 2 feet north of carsonite post.			
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C43217 Field Notes (1 of 1)

29 ACADA FB# 13 S-7-19
 SEC. 25 TWP 43 Rge 28 tbanks Hudson
 Establish REF Elev for Walls @ C-43
 wall site P217

STA	+	H.I.	-	Elev	Remarks
BMP2217A	4.60	22.65		18.05	F.D.
GW1-A			0.69	21.96	✓
GW2-B			0.66	21.99	✓
GW1 PAD			3.98	18.67	
GW2 PAD			3.95	18.70	
GROUND W			4.4	18.2	} 18.1
GROUND E.			4.5	18.1	
GROUND N.			4.5	18.1	
BMP2217B			4.495	18.155	18.16
		<u>RT</u>			
BMP2217B	4.55	22.71		18.16	
GW2-B			0.72	21.99	
GW1-A			0.75	21.96	
BMP2217A.			4.66	18.05	[18.05]