



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

| | | | | |
|---|--|--------------------------------------|----------------------------------|---|
| SCADA RTU Station Name: C43215A C43215B | DB Hydro Station Name: C43215G1 C43215G2 | DB Hydro Site Name: C43215 | Agency: S.F.W.M.D | Date of Field Work: 3/04/2019 |
| Party Chief: EBANKS | Field Book: SCADA FB#13 | Page(s): 19 | Prepared by: A.Schauer | |

SITE SPECIFIC DATA

| | | |
|--|---|--|
| Site Benchmark(s): PZ215A 2018 PZ215B 2018 | Benchmark Elevation(s) (NAVD88) 19.58 feet 18.54 feet | Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.26 feet |
| Reference Elevation(s) (NAVD88): C43215A = 22.91 feet C43215B = 22.88 feet | Calibration Port Elevation(s) (NAVD88): N/A | |
| Ground Elevation (NAVD88): 18.8 feet | Pad Elevation (NAVD88): 19.53 feet | |

GEOGRAPHIC DATA

| | | | |
|---|--|--|---|
| Section 29 | | Township 43 South | Range 28 East |
| Well(s) <input checked="" type="checkbox"/> Gate(s) Benchmark(s) | Latitude: | Longitude: | Source: Scaled pick point aerial esri product |
| | C43215A 26°42'28.1" C43215B 26°42'28.1" | C43215A -81°32'03.6" C43215B -81°32'03.7" | |
| State Plane Coordinates | | Northing (Y) = N/A | 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)

C43215B
Latitude: 26°42'28.1"
Longitude: -81°32'03.7"

Benchmark "PZ215A 2018"
Latitude: 26°42'28.0"
Longitude: -81°32'03.8"
El. 19.58 feet NAVD88

C43215A
Latitude: 26°42'28.1"
Longitude: -81°32'03.6"

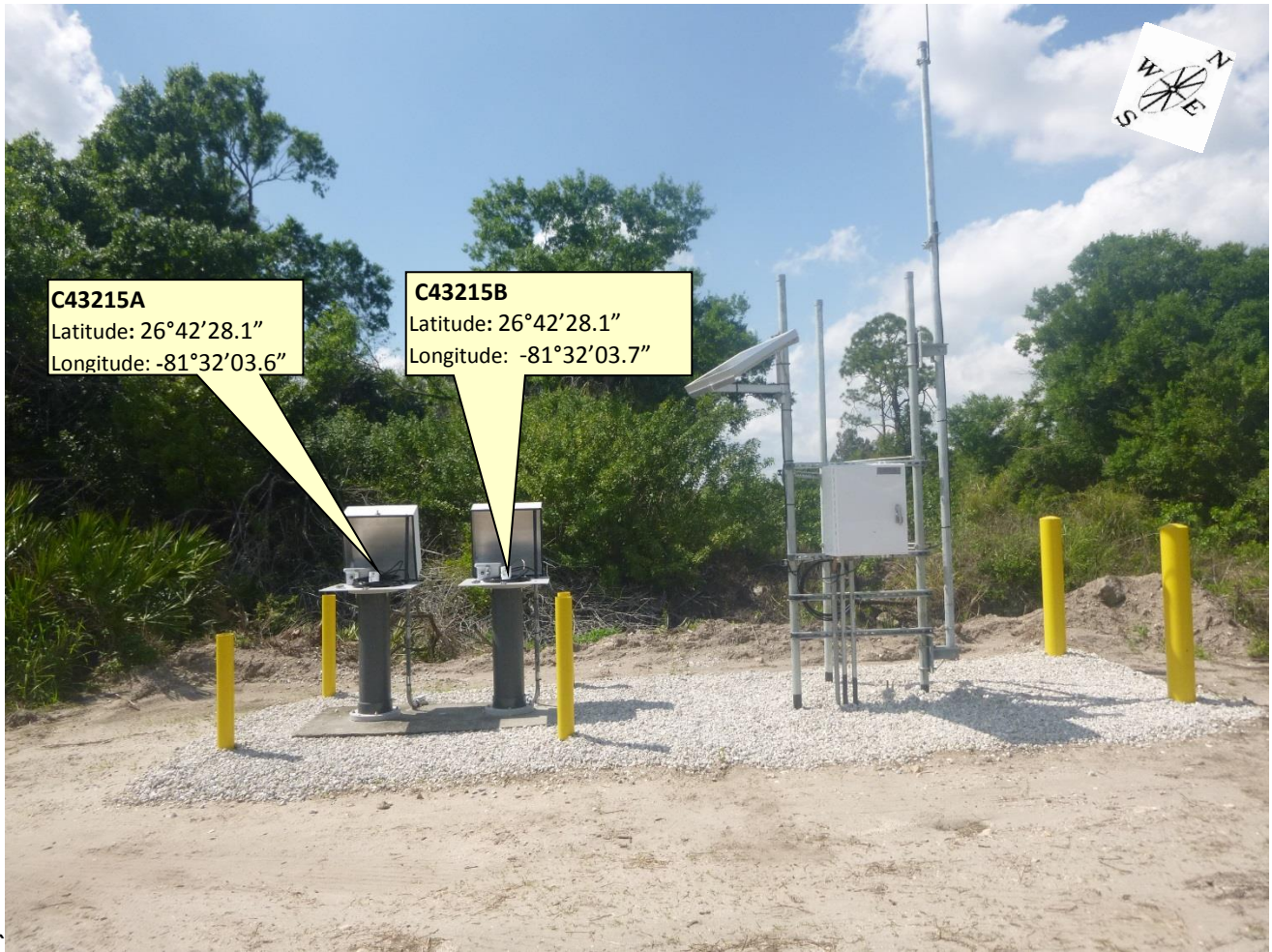
Benchmark "PZ215B 2018"
Latitude: 26°42'027.9"
Longitude: -81°32'03.8"
El. 18.54 feet NAVD88



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C43215 Piezometer Well Site

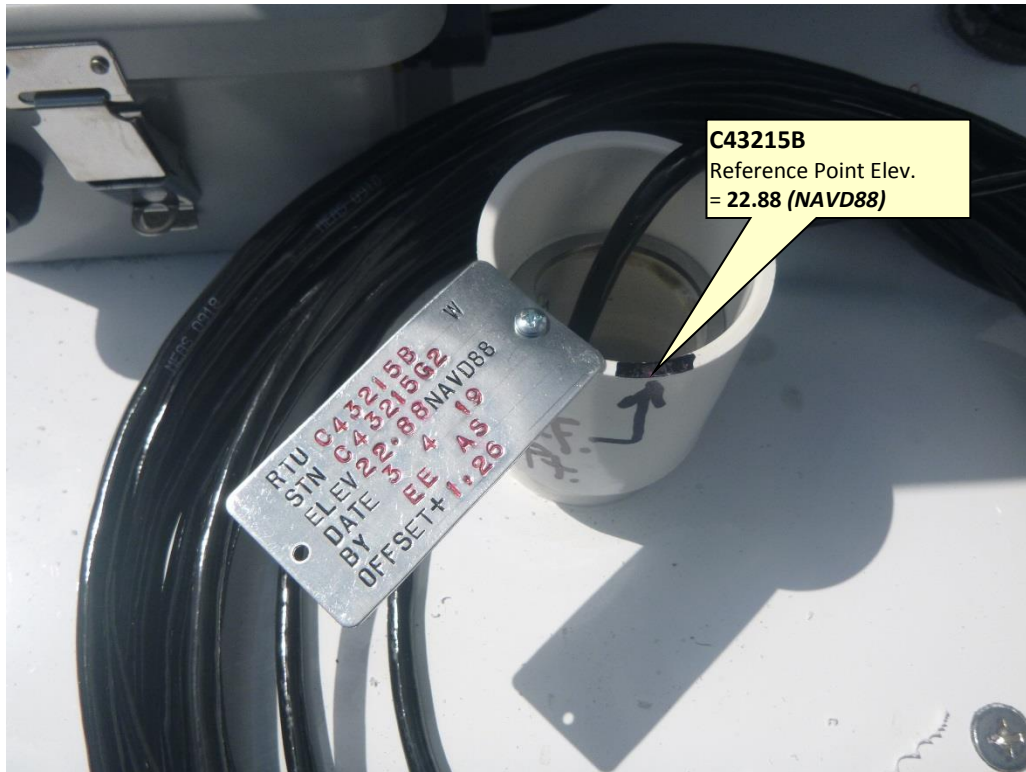
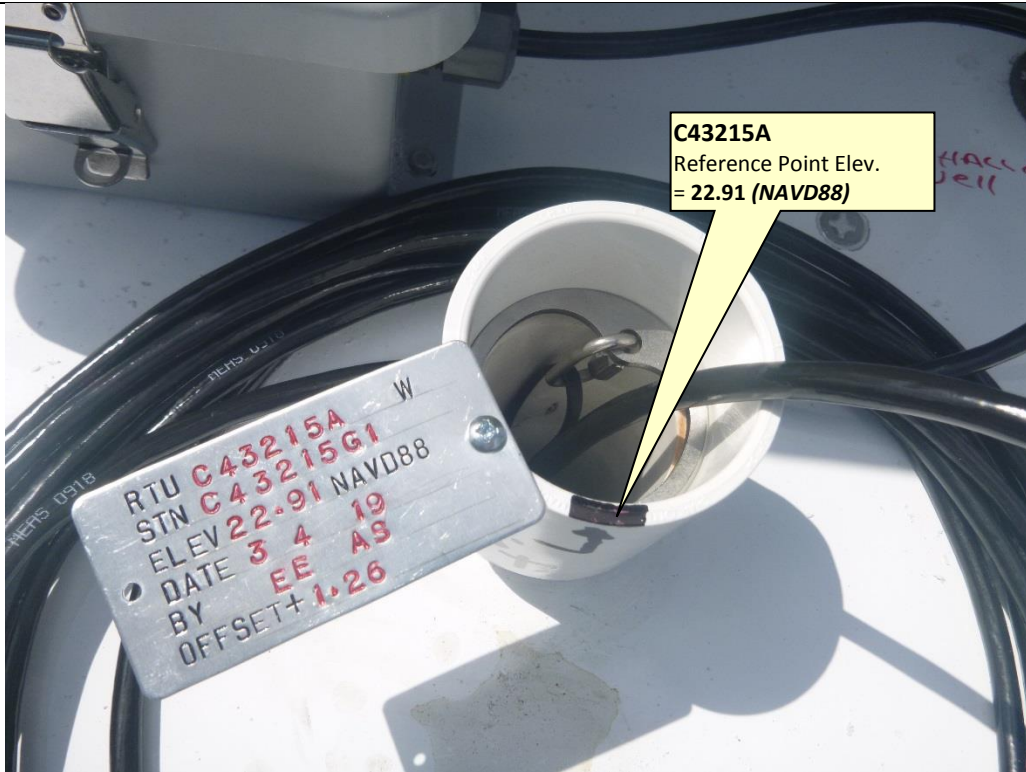




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C43215 Piezometer Wells

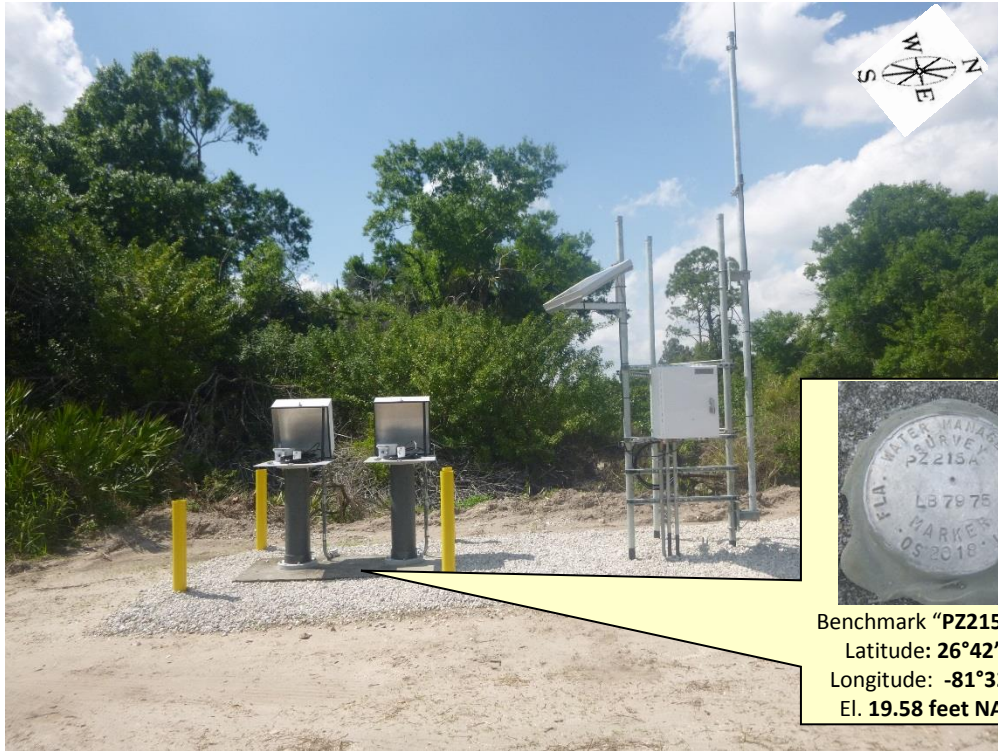




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"C43215A 2018" Benchmark Location
Benchmark: El. 19.58 feet (NAVD88)



Benchmark **"PZ215A 2018"**
Latitude: **26°42'28.0"**
Longitude: **-81°32'03.8"**
El. **19.58 feet NAVD88**



Benchmark **"PZ215A 2018"**
Latitude: **26°42'28.0"**
Longitude: **-81°32'03.8"**
El. **19.58 feet NAVD88**



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"C43215B 2018" Benchmark Location Benchmark: El. 18.54 feet (NAVD88)



Benchmark "PZ215B 2018"
Latitude: 26°42'027.9"
Longitude: -81°32'03.8"
El. 18.54 feet NAVD88



Benchmark "PZ215B 2018"
Latitude: 26°42'027.9"
Longitude: -81°32'03.8"
El. 18.54 feet NAVD88



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"PZ215A 2018" Benchmark Datasheet (1 of 1)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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| | | | |
|--|---------------------------|--|--|
| DESIGNATION: PZ 215A | | PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS | |
| ESTABLISHED BY: E. DOULE | | SURVEYOR: SCOTT URQUHART | |
| RECOVERED BY | | DATE: FEBRUARY 21, 2018 | |
| GEOGRAPHIC POSITION | | | |
| 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 = 481720.7 | Y = 863323.3 | NAVD 88 ELEV. 19.58' NGVD 29 ELEV. 20.84' |
| LATITUDE = N26° 42' 28.09" | | LONGITUDE = W81° 32' 03.68" | |
| RECOVERY DESCRIPTION | | | |
| Stamping: SET ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST. "PZ 215A 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 1.5 miles to a junction with a North-South dirt road. Thence go North, along a dirt road, for 0.3 miles. The mark is on the left. | | | |
| Notable Land marks: PZ 215A, is an aluminum disk in a concrete pad, between two monitoring wells and is 4.5 ft. SW of the NE bollard around wells. 4.5 ft. NW of the SE bollard around wells. 10 ft. East of the Top of Bank of a North-South running canal. | | | |
| FIELD BOOK: | 510 | PAGE: | 19 |



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"PZ215B 2018" Benchmark Datasheet (1 of 1)



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| | | | |
|--|---|--|--|
| DESIGNATION: PZ 215B | | PROJECT: C-43 VERTICAL CONTROL SURVEY FOR PIEZOMETER WELLS | |
| ESTABLISHED BY: E. DOULE RECOVERED BY | | SURVEYOR: SCOTT URQUHART DATE: FEBRUARY 21, 2018 | |
| GEOGRAPHIC POSITION | | | |
| 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 = 481716.7 | Y = 863298.1 | NAVD 88 ELEV. 18.54' NGVD 29 ELEV. 19.80' |
| LATITUDE = N26° 42' 27.84" | | LONGITUDE = W81° 32' 03.73" | |
| RECOVERY DESCRIPTION | | | |
| Stamping: POURED IN PLACE CONCRETE MONUMENT WITH ALUMINIUM DISK SO. FLA. WATER MANAGEMENT DIST. "PZ 215B 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 1.5 miles to a junction with a North-South dirt road. Thence go North, along a dirt road, for 0.3 miles. The marks are on the left. | | | |
| Notable Land marks: PZ 215B, is a poured in place concrete monument with an aluminum disk, and is 4.0 ft. East of the Top of Bank of a North-South running canal. 21.80 ft. SE of the SW bollard around wells. 22.25 ft. SW of the SE bollard around wells. | | | |
| FIELD BOOK: 510 | | PAGE: 19 | |



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C43215 Field Notes (1 of 1)

SCADP FB #13 3/4/19 19:30

SEC 28 TWP 43 R6E 28 EBANKS

ESTABLISH REF. ELEV. FOR PIEZOMETER SCHAUER

WELLS P215 (a) C-43 RESERVOIR.

| STA | + | HI | - | ELEV | REMARKS |
|--------------------|------|---------|------|---------|----------------------------|
| BMP215A | 4.04 | 23.62 ✓ | | 19.58 | (HANDS) FD. NEW |
| STG1 | | | 0.71 | 22.91 ✓ | |
| STG2 | | | 0.74 | 22.88 ✓ | |
| NE CONC PAD CORNER | | | 4.06 | 19.56 | |
| NW CONC PAD CORNER | | | 4.10 | 19.52 | |
| SW CONC PAD CORNER | | | 4.09 | 19.53 | |
| SE CONC PAD CORNER | | | 4.10 | 19.52 | |
| SOUTH GROUND | | | 5.0 | 18.62 | |
| EAST GROUND | | | 4.9 | 18.72 | 18.8 ✓ |
| NORTH GROUND | | | 4.4 | 19.22 | |
| WEST GROUND | | | | | |
| BMP215B | | | 5.08 | 18.54 | DISTURBED - ENTER CANAL |
| | | RT | | | |
| BMP215B | 4.98 | 23.52 | | | |
| STG2 | | | 0.64 | 22.88 | |
| STG1 | | | 0.61 | 22.91 | |
| BMP215A | | | 3.94 | 19.58 ✓ | ✓ 42 ✓ 18 ✓ |