
Surveyor's Report

Specific Purpose Survey ENCON Well Site

SFWMD Work Order Number: 4500016343

Contractors Project No. 07050.07

Report Date: 6/10/08

Submittal: Final

Prepared for:

**South Florida Water Management
District**



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OVERVIEW OF THE PROJECT

PURPOSE

This survey request consists of the establishment of elevations to third order National Geodetic Survey (NGS) Standards at the existing well site in Section 10, Township 41 South, Range 42 East, Palm Beach County, Florida:

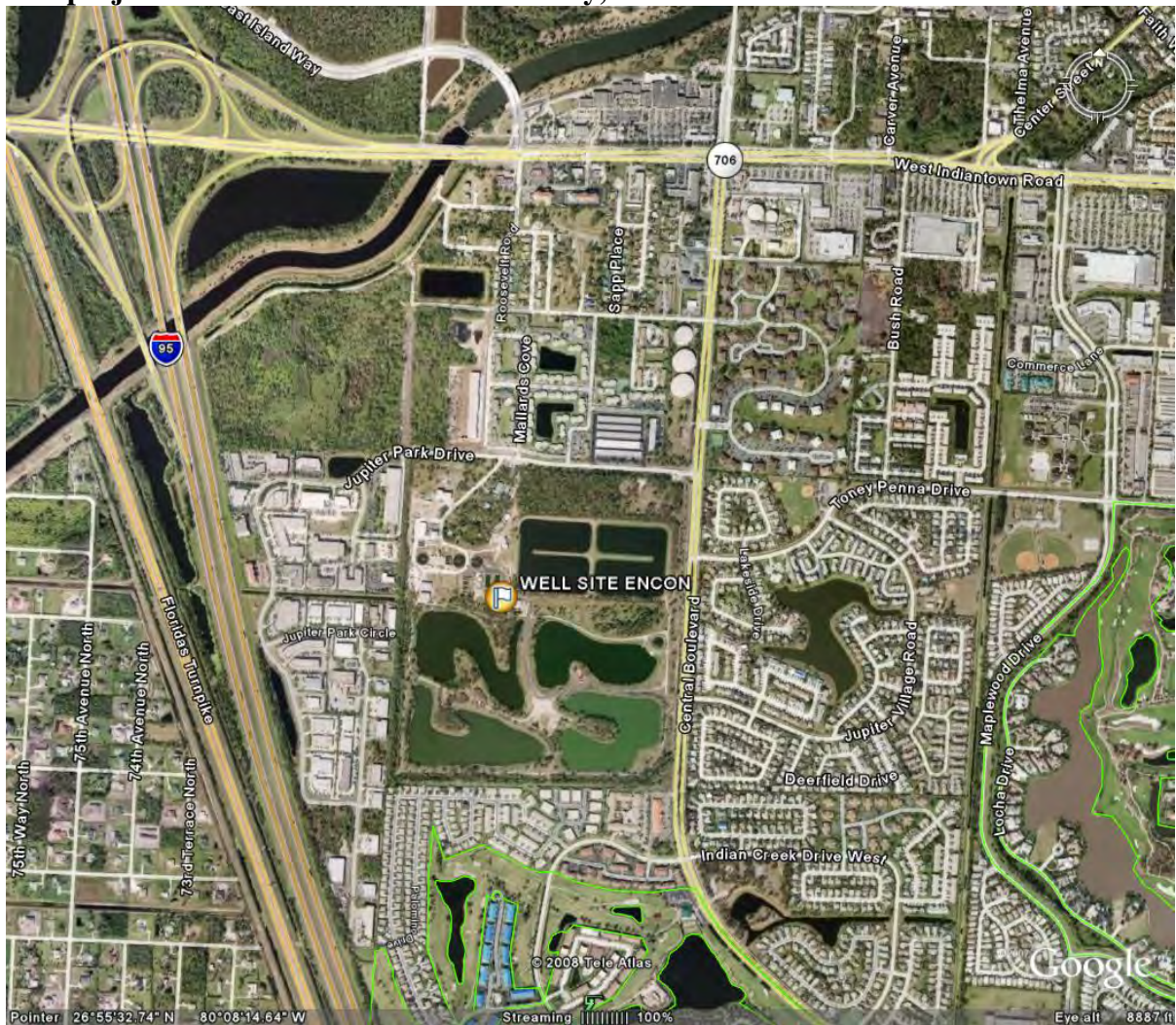
The objective of this Work Order is to:

1. Establish elevations on the wells.
2. Set a third-order benchmark at the well site.

The services listed in this report were performed under the direction of a Professional Surveyor and Mapper (PSM) registered in the State of Florida in accordance with Chapter 472 of the Florida Statutes.

LOCATION OF PROJECT

The project is located in Palm Beach County, Florida.



ITEMS DELIVERED TO THE DISTRICT

The following items were delivered to the District with this report.

Two signed and sealed paper copies of the surveyor's report.

A CD containing the following:

- The survey report in Microsoft Word format.
- Digital photos.
- Scanned copies of field notes.
- Any other digital files associated with the survey.
- Completed District benchmark description sheet for all set marks.
- Completed Excel benchmark spread sheet
- Completed Excel well activation sheet
- CorpsMet 95 Meta Data files

VERTICAL DATUM FOR THE PROJECT

The vertical datum for the project is the North American Vertical Datum of 1988. For correlation with older data sets, the elevations of the benchmarks are also shown in the National Geodetic Vertical Datum (NGVD) of 1929. The NGVD 29 elevations were derived using data provided by the South Florida Water Management District in a file named "NGVD29.txt" when applicable, otherwise NGS superseded values or South Florida Water Management District's Benchmark Data Base values were used. The linear unit for all elevations is U.S. survey feet unless otherwise stated.

LEVELING METHODS

CONFIGURATION OF LEVEL RUN

Third-Order leveling procedures were used to establish elevations on the wells and site benchmark.

Benchmark "ENCON 2008" (the site benchmark) was used as the primary vertical control for establishing the elevations on the measuring points. A level loop was run starting at NGS benchmark I95 89 A09, through NGS benchmark JENKINS, through site benchmark

"ENCON 2008" and back to Benchmark I95 89 A09. **Note:** For this survey the starting elevation of Benchmark I95 89 A09 (20.184' adjusted Feb. 1997, no August 2007 adjustment) was lowered 0.026' (20.158') to match the difference of the NGS re-adjusted elevation (19.885', February 1997 and 19.859', August 2007) of Benchmark JENKINS.

The SFWMD maximum allowable misclosure for this type of run is 0.03' multiplied by the square root of the length of the level line in miles.

EQUIPMENT USED

All leveling during the project was performed with a Wild NA1 conventional level and a three-section, fiberglass level rod.

GPS METHODS

INTRODUCTION

A GPS horizontal value for the site benchmark and well was required as part of this contract. The site benchmark was occupied for a minimum of fifteen minutes for rapid static processing to obtain sub-meter accuracy and the well located from the site benchmark.

The following instrumentation was used for the GPS observation:



- (1) Trimble 5700 receiver/antenna

DATA PROCESSING


Data Acquisition

The static session data was downloaded from the receiver using Trimble Geomatics Office, version 1.62 (TGO). The DAT file was then sent to the National Geodetic Survey program OPUS RS (On-line Positioning User Service rapid static) for processing. Each data file submitted to OPUS RS is processed with respect to 3 CORS sites. The sites selected may not be the nearest to the static session but are selected by distance, number of observations, site stability, etc. The results of the three baselines are then added together and averaged to obtain the unknown station(s) (site benchmark ENCON 2008) values. Those values for the site benchmark (latitude and longitude) are shown in the corresponding Vertical Control and Project Results sections below.



VERTICAL CONTROL

| I95 89 A09 | | Elevation: | NAVD 1988 | 20.158' | NGVD 1929 | None |
|--|--------------|---|--------------------------|---|-----------|------|
| PID AC5320 | | Latitude | 26° 56' 00" (Scaled) | NGS Elevation adjusted -0.026' to match re- adjustment of JENKINS in Aug. 2007. | | |
| State/County FL/Palm Beach | | Longitude | -80° 08' 31" (Scaled) | | | |
| USGS QUAD Rood 1983 | | | | | | |
| Vertical Order Class | Second II | <p>The orthometric height of 20.184' was adjusted for this survey by (-)0.026' to match the re-adjustment of benchmark JENKINS by NGS in August 2007.</p> <p>To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 0.4 mile (0.6 km) to the State Road 706 bridges over Canal C-18 and the mark at the west end of a dead end asphalt drive near the southeast corner of the bridges. It is set in the top of a round concrete monument, it is 63.2 feet (19.3 m) north of the southwest end of the curved guardrail at the end of the drive, 56.2 feet (17.1 m) southwest of the north end of the curved guardrail and 2.0 feet (0.6 m) west of the west edge of the asphalt drive.</p> | | | | |
|  | |  | | | | |

VERTICAL CONTROL

| JENKINS | | Elevation: | NAVD 1988 | 19.859' | NGVD 1929 | 21.414' |
|--|---|--------------------|---------------------|---------|---------------------------------------|---------|
| PID AD6275 | Latitude | 26° 56' 02.31467" | From NGS Data Sheet | | Superseded value from NGS Data Sheet. | |
| State/County FL/Palm Beach | Longitude | -80° 08' 32.88006" | | | | |
| USGS QUAD Rood 1983 | | | | | | |
| Vertical Order First Class II Horizontal Order First | <p>The orthometric height was determined by differential leveling and adjusted by the NATIONAL GEODETIC SURVEY in August 2007. To reach the mark from the post office in Jupiter, go south on highway A1A along the east side of railroad tracks for 0.45 mile (0.72 km) to the junction of State Road 706, turn right and go west on State Road 706 for 3.0 miles (4.8 km) to a concrete bridge over canal and gate on left just west of the bridge. Turn left and pass through gate and go southwest along top of levee for 150 feet (45.7 m) to the mark. It is set in the top of a round concrete monument, 135.0 feet (41.1 m) southwest of the southwest end of the bridge abutment, 88.0 feet (26.8 m) south of the south edge of the eastbound lane and 4.0 feet (1.2 m) north of the west end of the gate.</p> | | | | | |
|  | | | | | | |

VERTICAL CONTROL

| SITE BENCHMARK "ENCON 2008" | | Elevation: | NAVD 1988 | 16.877' | NGVD 1929 | 18.432' |
|---|-------|---|----------------|--|-----------|--|
| | | Latitude | 26° 55' 25.2" | Derived from the level loop as described in the Leveling Methods section of this report. | | Derived from the level loop as described in the Leveling Methods section of this report. |
| State/County FL/Palm Beach | | Longitude | -80° 08' 23.8" | | | |
| USGS QUAD Rood 1983 | | | | | | |
| Vertical Order | Third | <p>To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 1.0 mile to the junction of Central Boulevard on the right, turn right onto Central Boulevard, heading south, 0.53 miles to the junction of Jupiter Park Road on the right, turn right onto Jupiter Park Road, heading west, 0.32 miles to the junction of an asphalt road and entrance to a waste water treatment plant on the left, turn left into the plant and follow the asphalt road 0.33 miles to the southeast corner of the plant and a concrete slab housing the ENCON wells. The mark is a 2-1/2" aluminum disk located on the south side of the concrete slab, 12' north of and 12.7' west of the deep zone well (most southerly well).</p> | | | | |
| Horizontal Order | Third | | | | | |
|  | | | | | | |
|  | | | | | | |

Station Name:
ENCON_MW2L (Middle)

Station Name:
PB-1171(Deep)

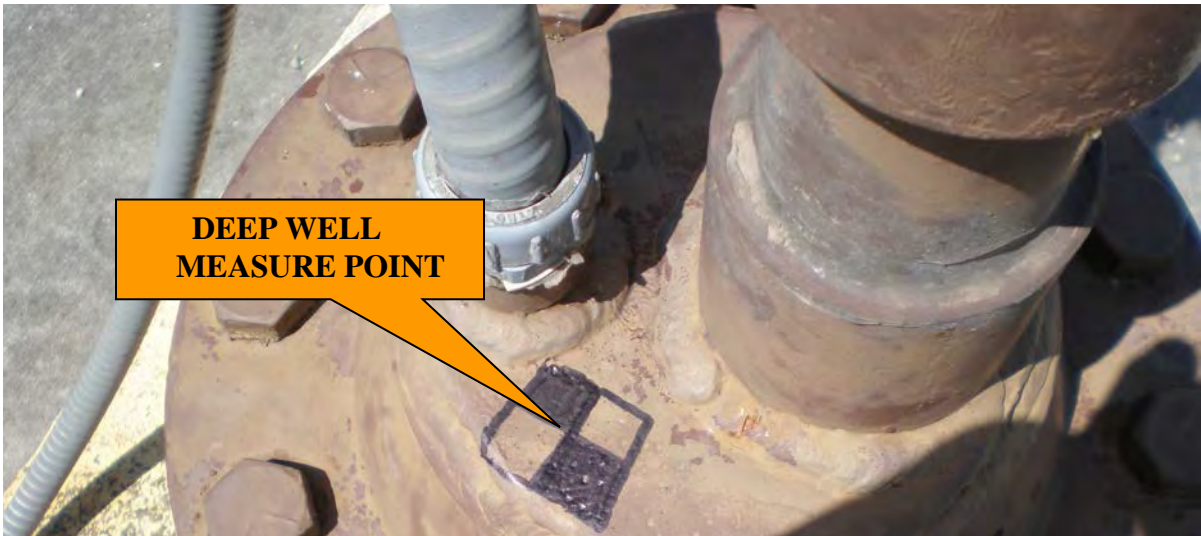
PROJECT RESULTS

Station Name:
ENCON_MW2U (Upper)

| Deep Zone | Intermediate Zone | Shallow Zone |
|---|---|---|
| <p>Reference mark: <u>Set mark on upper flange.</u> New Information at the site: Mark El. <u>21.14' NGVD 29</u> Mark El. <u>19.58' NAVD 88</u> Initials: <u>K&A</u> Date: <u>6/10/08</u> Offset: <u>-1.555</u> Previous Information at the site: Reference Mark Elevation(s) El. <u>None</u> Date: <u>None</u> Initials: <u>None</u> Reference Mark location: <u>Same as noted above.</u></p> | <p>Reference mark: <u>Set mark on housing just above calibration sticker.</u> New Information at the site: Mark El. <u>22.87' NGVD 29</u> Mark El. <u>21.32' NAVD 88</u> Initials: <u>K&A</u> Date: <u>6/10/08</u> Offset: <u>-1.555</u> Previous Information at the site: Reference Mark Elevation(s) El. <u>None</u> Date: <u>None</u> Initials: <u>None</u> Reference Mark location: <u>Same as noted above</u></p> | <p>Reference mark: <u>Set mark on housing just below gauge.</u> New Information at the site: Mark El. <u>22.98' NGVD 29</u> Mark El. <u>21.42' NAVD 88</u> Initials: <u>K&A</u> Date: <u>6/10/08</u> Offset: <u>-1.555</u> Previous Information at the site: Reference Mark Elevation(s) El. <u>None</u> Date: <u>None</u> Initials: <u>None</u> Reference Mark location: <u>Same as noted above</u></p> |
| <p><u>DTW (Distance to water inside well)</u> <u>Unable to obtain, well sealed.</u> Reference mark: <u>N/A</u> El. <u>N/A (NGVD 29)</u> Measurement to water: <u>N/A</u> Date: <u>N/A</u> Time: <u>N/A</u> Ground Elevation next to Well: <u>18.47' (NGVD 1929)</u> <u>(on concrete pad).</u></p> <p><u>NAD 1983/90 Florida East Zone</u> Latitude: <u>26° 55' 25.0"</u> Longitude: <u>- 80° 08' 23.6"</u> Northing:(Y) <u>942358</u> Easting:(X) <u>936428</u></p> | <p><u>DTW (Distance to water inside well)</u> <u>Unable to obtain, well sealed.</u> Reference mark: <u>N/A</u> El. <u>N/A (NGVD 29)</u> Measurement to water: <u>N/A</u> Date: <u>N/A</u> Time: <u>N/A</u> Ground Elevation next to Well: <u>18.18' (NGVD 1929)</u> <u>(on concrete pad).</u></p> <p><u>NAD 1983/90 Florida East Zone</u> Latitude: <u>26° 55' 25.6"</u> Longitude: <u>- 80° 08' 24.1"</u> Northing:(Y) <u>942413</u> Easting:(X) <u>936382</u></p> | <p><u>DTW (Distance to water inside well)</u> <u>Unable to obtain, well sealed.</u> Reference mark: <u>N/A</u> El. <u>N/A (NGVD 29)</u> Measurement to water: <u>N/A</u> Date: <u>N/A</u> Time: <u>N/A</u> Ground Elevation next to Well: <u>18.18' (NGVD 1929)</u> <u>(on concrete pad).</u></p> <p><u>NAD 1983/90 Florida East Zone</u> Latitude: <u>26° 55' 25.6"</u> Longitude: <u>- 80° 08' 24.1"</u> Northing:(Y) <u>942413</u> Easting:(X) <u>936382</u></p> |

Site Photos

Station Name: PB1171 Reference Point



Deep Zone Well Measure Point and Information

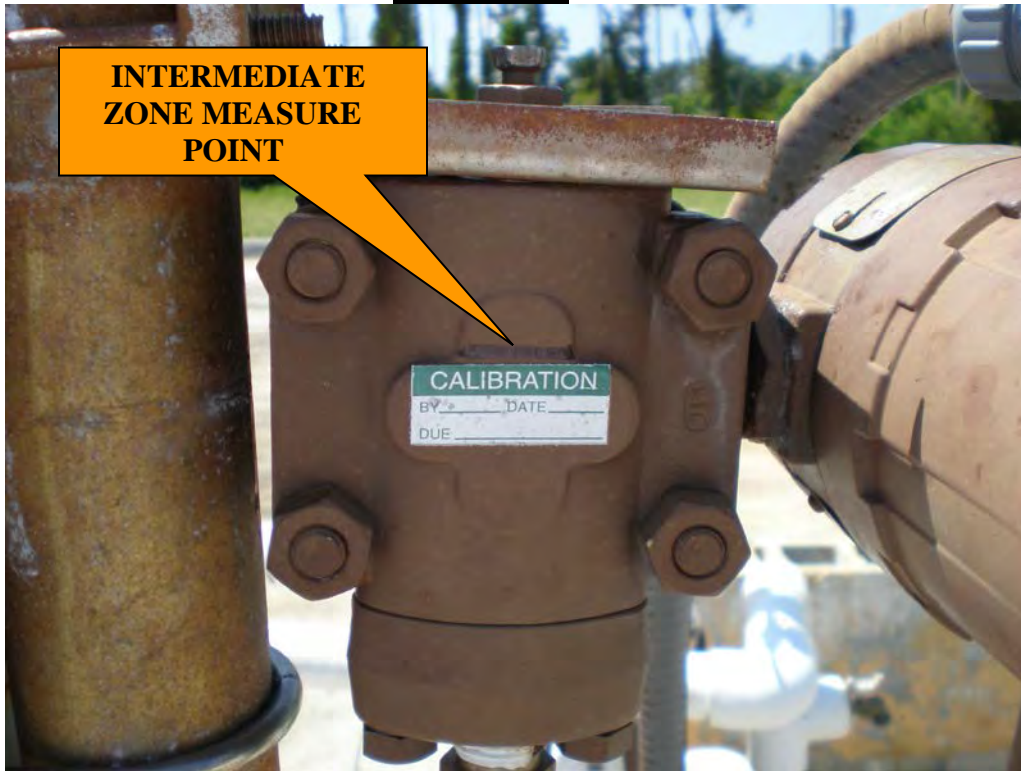
6/10/08

Keith and Associates

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Information in "Red" not part of the Surveyor's Report

Site Photos



Intermediate Zone Well Measure Point and Information
6/10/08
Keith and Associates

Site Photos



Shallow Zone Well Measure Point and Information
6/10/08
Keith and Associates
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Comments

Elevations shown hereon are NGVD 1929 datum unless noted otherwise.

Party Chief: D. Ferels Field Book: 292 Page Pages 2-7, 44

Bench Mark: "ENCON 2008" El. 16.877', Vertical Datum: NAVD1988

El. 18.432', Vertical Datum: NGVD1929

Offset: 1.555' SFWMD VALUE (subtract this value from NGVD 1929 to convert to NAVD 1988)

Offset: 1.555' NGS VALUE (subtract this value from NGVD 1929 to convert to NAVD 1988)

The offset values referred to as "SFWMD VALUE" and "NGS VALUE" were derived by subtracting the NAVD 1988 value from the NGVD 1929 value at NGS benchmark JENKINS. The NGVD 1929 value for benchmark JENKINS was obtained from the NGS Data Sheet as a Superseded Value.

NAVD 88 - North American Vertical Datum of 1988

NGVD29 -National Geodetic Vertical Datum of 1929

NAD 83 -99 (Horizontal Datum) North American Datum

NGS - National Geodetic Survey

SFWMD - South Florida Water Management District

PVC - Polyvinyl Chloride

L.B. - Licensed Business

RTK – Real Time Kinematic

K&A – Keith and Associates

PSM – Professional Surveyor & Mapper

USGS – United States Geological Survey

QUAD – Quadrangle Map

PID - Permanent Identifier

SURVEYOR'S CERTIFICATION

I hereby certify that this Specific Purpose Survey meets applicable portions of the Minimum Technical Standards set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 61-G17, Florida Administrative Code. This report is prepared for the sole and specific use of the South Florida Water Management District and is not assignable.

Keith and Associates, Inc.

L.B. number 6860

By:

Date of Survey
June 10, 2008

Michael M. Mossey, PSM
Professional Surveyor and Mapper
State of Florida
Certificate No. 5660



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

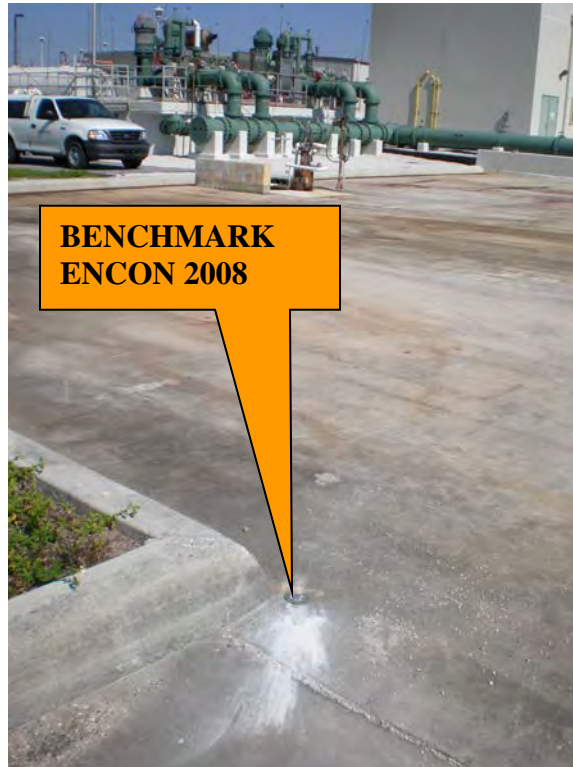
| | | |
|--|-------------------------------|--|
| COUNTY PALM BEACH | PROJECT ENCON MW | DESIGNATION ENCON 2008 |
| SECTION 10 | TOWNSHIP 41 SOUTH | RANGE 42 EAST |
| GEOGRAPHIC INDEX OF QUAD | | |
| Established by <u>KEITH AND ASSOCIATES</u> | | NAME OF QUADRANGLE <u>ROOD</u> |
| SURVEYOR <u>D. FERELS</u> DATE <u>4/16/2008</u> | | FIELD BOOK <u>292</u> PAGES <u>3-6</u> |
| HORIZONTAL DATUM: 1983/90 ZONE EAST | | |
| VERTICAL DATUM: NGVD 1929 AND NAVD 1988 | | |
| CONTROL ACCURACY: HORIZONTAL 3rd VERTICAL 3rd | | |
| STATE PLANE COORDINATES | X 936415 | Y 942370 |
| | | NAVD 1988 EL. 16.877' |
| | | NGVD 1929 EL. 18.432' |
| LATITUDE 26°55'25.2" | LONGITUDE -80°08'23.8" | |
| DESCRIPTION | | |
| To Reach: | | |
| To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 1.0 mile to the junction of Central Boulevard on the right, turn right onto Central Boulevard, heading south, 0.53 miles to the junction of Jupiter Park Road on the right, turn right onto Jupiter Park Road, heading west, 0.32 miles to the junction of an asphalt road and entrance to a waste water treatment plant on the left, turn left into the plant and follow the asphalt road 0.33 miles to the southeast corner of the plant and a concrete slab housing the ENCON wells. The mark is a 2-1/2" aluminum disk located on the south side of the concrete slab, 12' north of and 12.7' west of the deep zone well (most southerly well). | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Notable Land marks: | | |
| See photos below | | |
| | | |
| | | |

SKETCH



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01



The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = ,PROGRAM = datasheet, VERSION = 7.60
1 National Geodetic Survey, Retrieval Date = MAY 24, 2008
AC5320 *****
AC5320 DESIGNATION - I95 89 A09
AC5320 PID - AC5320
AC5320 STATE/COUNTY- FL/PALM BEACH
AC5320 USGS QUAD - ROOD (1983)
AC5320
AC5320 *CURRENT SURVEY CONTROL
AC5320
AC5320 *NAD 83(1986)- 26 56 00. (N) 080 08 31. (W) SCALED
AC5320 *NAVD 88 - 6.152 (meters) 20.18 (feet) ADJUSTED
AC5320
AC5320 GEOID HEIGHT- -27.19 (meters) GEOID03
AC5320 DYNAMIC HT - 6.142 (meters) 20.15 (feet) COMP
AC5320 MODELED GRAV- 979,098.3 (mgal) NAVD 88
AC5320
AC5320 VERT ORDER - SECOND CLASS II
AC5320
AC5320.The horizontal coordinates were scaled from a topographic map and have
AC5320.an estimated accuracy of +/- 6 seconds.
AC5320
AC5320.The orthometric height was determined by differential leveling
AC5320.and adjusted in February 1997.
AC5320
AC5320.The geoid height was determined by GEOID03.
AC5320
AC5320.The dynamic height is computed by dividing the NAVD 88
AC5320.geopotential number by the normal gravity value computed on the
AC5320.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AC5320.degrees latitude (g = 980.6199 gals.).
AC5320
AC5320.The modeled gravity was interpolated from observed gravity values.
AC5320
AC5320; North East Units Estimated Accuracy
AC5320;SPC FL E - 288,310. 285,210. MT (+/- 180 meters Scaled)
AC5320
AC5320 SUPERSEDED SURVEY CONTROL
AC5320
AC5320.No superseded survey control is available for this station.
AC5320
AC5320_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK851793(NAD 83)
AC5320_MARKER: DD = SURVEY DISK
AC5320_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AC5320_STAMPING: I 95 89 A 09 FLDT
AC5320_MARK LOGO: FLDT
AC5320_MAGNETIC: O = OTHER; SEE DESCRIPTION
AC5320_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AC5320+STABILITY: SURFACE MOTION
AC5320
AC5320 HISTORY - Date Condition Report By
AC5320 HISTORY - 1989 MONUMENTED FLDT
AC5320
AC5320 STATION DESCRIPTION
AC5320
AC5320'DESCRIBED BY FLORIDA DEPARTMENT OF TRANSPORTATION 1989 (CBM)
AC5320'TO REACH THE STATION FROM THE INTERCHANGE OF INTERSTATE ROUTE 95 AND
AC5320'SR 706, ABOUT 3 MILES (4.8 KM) WEST OF JUPITER, GO EAST ON STATE ROAD
AC5320'706 FOR ABOUT 0.4 MILE (0.6 KM) TO THE STATE ROAD 706 BRIDGES OVER
AC5320'CANAL C-18 AND THE MARK AT THE WEST END OF A DEADEND ASPHALT DRIVE
AC5320'NEAR THE SOUTHEAST CORNER OF THE BRIDGES. IT IS SET IN THE TOP OF A
AC5320'ROUND CONCRETE MONUMENT, IT IS 63.2 FEET (19.3 M) NORTH OF THE
AC5320'SOUTHWEST END OF THE CURVED GUARDRAIL AT THE END OF THE DRIVE, 56.2
AC5320'FEET (17.1 M) SOUTHWEST OF THE NORTH END OF THE CURVED GUARDRAIL AND
AC5320'2.0 FEET (0.6 M) WEST OF THE WEST EDGE OF THE ASPHALT DRIVE.

```

*** retrieval complete.
Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.txt](#) for more information about the datasheet.

```

DATABASE = ,PROGRAM = datasheet, VERSION = 7.61
1 National Geodetic Survey, Retrieval Date = JUNE 10, 2008
AD6275 *****
AD6275 TIDAL BM - This is a Tidal Bench Mark.
AD6275 DESIGNATION - JENKINS
AD6275 PID - AD6275
AD6275 STATE/COUNTY- FL/PALM BEACH
AD6275 USGS QUAD - ROOD (1983)
AD6275
AD6275 *CURRENT SURVEY CONTROL
AD6275
AD6275* NAD 83(1990)- 26 56 02.31467(N) 080 08 32.88006(W) ADJUSTED
AD6275* NAVD 88 - 6.053 (meters) 19.86 (feet) ADJUSTED
AD6275
AD6275 LAPLACE CORR- -3.81 (seconds) DEFLEC99
AD6275 GEOID HEIGHT- -27.12 (meters) GEOID03
AD6275 DYNAMIC HT - 6.044 (meters) 19.83 (feet) COMP
AD6275 MODELED GRAV- 979,098.1 (mgal) NAVD 88
AD6275
AD6275 HORZ ORDER - FIRST
AD6275 VERT ORDER - FIRST CLASS II
AD6275
AD6275.The horizontal coordinates were established by classical geodetic methods
AD6275.and adjusted by the National Geodetic Survey in May 1991.
AD6275
AD6275.The orthometric height was determined by differential leveling
AD6275.and adjusted in August 2007.
AD6275
AD6275.This Tidal Bench Mark is designated as VM 5564
AD6275.by the Center for Operational Oceanographic Products and Services.
AD6275
AD6275.The Laplace correction was computed from DEFLEC99 derived deflections.
AD6275
AD6275.The geoid height was determined by GEOID03.
AD6275
AD6275.The dynamic height is computed by dividing the NAVD 88
AD6275.geopotential number by the normal gravity value computed on the
AD6275.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD6275.degrees latitude (g = 980.6199 gals.).
AD6275
AD6275.The modeled gravity was interpolated from observed gravity values.
AD6275
AD6275; North East Units Scale Factor Converg.
AD6275;SPC FL E - 288,377.542 285,160.906 MT 1.00003068 +0 23 18.4
AD6275;SPC FL E - 946,118.65 935,565.41 sFT 1.00003068 +0 23 18.4
AD6275;UTM 17 - 2,979,411.130 585,131.849 MT 0.99968947 +0 23 18.4
AD6275
AD6275! Elev Factor x Scale Factor = Combined Factor
AD6275!SPC FL E - 1.00000331 x 1.00003068 = 1.00003399
AD6275!UTM 17 - 1.00000331 x 0.99968947 = 0.99969278
AD6275
AD6275: Primary Azimuth Mark Grid Az
AD6275:SPC FL E - JENKINS S 1 PBCSD 1970 003 09 14.1
AD6275:UTM 17 - JENKINS S 1 PBCSD 1970 003 09 14.1
AD6275
AD6275
-----
AD6275 PID Reference Object Distance Geod. Az
AD6275 dddmmss.s
AD6275 AD6535 JENKINS S 1 PBCSD 1970 APPROX. 0.5 KM 0033232.5
AD6275 AD6531 JENKINS S 1 PBCSD A 1 229.305 METERS 00638
AD6275 CW9097 JENKINS RM 1 22.659 METERS 04738
AD6275 AD6433 TEQUESTA PB CABLE TV TOWER APPROX. 6.4 KM 0540825.6
AD6275 AD6429 TEQUESTA EPIS CH SPIRE APPROX. 5.6 KM 0583730.0
AD6275 CW9098 JENKINS S 2 0641523.6
AD6275 AD6427 JUPITER INLET BEACH COLONY TK APPROX. 6.1 KM 0655128.5
AD6275 AD6445 JUPITER INLET LH 1934 APPROX. 6.2 KM 0745231.7
AD6275 AD6422 JUPITER USCG RADIO TOWER APPROX. 6.3 KM 0750158.6
AD6275 AD6417 JUPITER RAD STA WJTS WEST MAST APPROX. 2.6 KM 0765913.4
AD6275 AD6441 JUPITER MICROWAVE TOWER CENTER APPROX. 3.3 KM 0883401.9

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| | | |
|--------|--------------------------------------|--------------------------|
| AD6275 | AD6414 JUPITER USAF GAPFILLER RADAR | APPROX. 7.2 KM 0903320.7 |
| AD6275 | AD6276 JENKINS RM 2 | 23.712 METERS 20503 |
| AD6275 | AD6530 JUPITER FLA TURNPIKE RAD MAST | APPROX. 1.5 KM 2771550.9 |

 SUPERSEDED SURVEY CONTROL

| | | | | | |
|--------|--------------------|---------------------|--------------------|----------|-----|
| AD6275 | NAD 83(1986)- | 26 56 02.31938(N) | 080 08 32.88912(W) | AD() | 1 |
| AD6275 | NAD 27 | - 26 56 01.11331(N) | 080 08 33.73139(W) | AD() | 1 |
| AD6275 | NAVD 88 (02/05/97) | 6.061 (m) | 19.89 (f) | UNKNOWN | 2 1 |
| AD6275 | NAVD 88 (06/15/91) | 6.067 (m) | 19.90 (f) | UNKNOWN | 2 1 |
| AD6275 | NGVD 29 (09/01/92) | 6.527 (m) | 21.41 (f) | ADJUSTED | 2 1 |

AD6275. Superseded values are not recommended for survey control.
 AD6275. NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 AD6275. [See file dsdata.txt](#) to determine how the superseded data were derived.

AD6275 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK8513279411(NAD 83)

AD6275 MARKER: DS = TRIANGULATION STATION DISK

AD6275 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AD6275 SP_SET: CONCRETE POST

AD6275 STAMPING: JENKINS 1970

AD6275 MARK LOGO: CGS

AD6275 PROJECTION: FLUSH

AD6275 MAGNETIC: N = NO MAGNETIC MATERIAL

AD6275 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AD6275+STABILITY: SURFACE MOTION

AD6275 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AD6275+SATELLITE: SATELLITE OBSERVATIONS - December 10, 2007

| HISTORY | Date | Condition | Report By |
|---------|------------|------------|-----------|
| HISTORY | - 1970 | MONUMENTED | NGS |
| HISTORY | - 1973 | GOOD | NGS |
| HISTORY | - 1981 | GOOD | FLDNR |
| HISTORY | - 19891231 | GOOD | FLDT |
| HISTORY | - 19950407 | GOOD | USPSQD |
| HISTORY | - 20020209 | GOOD | USPSQD |
| HISTORY | - 20030217 | GOOD | USPSQD |
| HISTORY | - 20040301 | GOOD | FLDEP |
| HISTORY | - 20040304 | GOOD | USPSQD |
| HISTORY | - 20060316 | GOOD | FLDEP |
| HISTORY | - 20071210 | GOOD | INDIV |

STATION DESCRIPTION

AD6275 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (CLH)
 AD6275 STATION IS LOCATED ABOUT 3-1/2 MILES SOUTHWEST OF TEQUESTA, 3 MILES
 AD6275 WEST OF JUPITER, ON SOUTH SIDE OF STATE HIGHWAY 706 AND ON WEST
 AD6275 LEVEE OF CANAL C-18.

AD6275 TO REACH THE STATION FROM THE POST OFFICE IN JUPITER, GO SOUTH
 AD6275 ON HIGHWAY 1A1A ALONG THE EAST SIDE OF RAILROAD TRACKS FOR 0.45
 AD6275 MILE TO THE JUNCTION OF STATE HIGHWAY 706. TURN RIGHT AND GO WEST
 AD6275 ON STATE HIGHWAY 706 FOR 3.0 MILES TO A CONCRETE BRIDGE OVER CANAL
 AD6275 AND GATE ON LEFT JUST WEST OF THE BRIDGE. TURN LEFT AND PASS
 AD6275 THROUGH GATE AND GO SOUTHWEST ALONG TOP OF LEVEE FOR 150 FEET TO
 AD6275 STATION AS DESCRIBED.

AD6275 STATION MARK, STAMPED JENKINS 1970, IS SET IN A CONCRETE POST
 AD6275 FLUSH WITH THE GROUND. IT IS 227 FEET SOUTHWEST OF THE SOUTHWEST
 AD6275 CORNER OF BRIDGE, 165 FEET SOUTH OF CENTER OF STATE HIGHWAY 706,
 AD6275 35 FEET NORTHWEST OF THE WEST EDGE OF LEVEE AND 2.2 FEET EAST OF
 AD6275 A METAL WITNESS POST.

AD6275 RM 1, STAMPED JENKINS NO 1 1970, IS SET IN A CONCRETE POST THAT
 AD6275 IS SET FLUSH. IT IS 87 FEET SOUTHWEST OF THE CENTER OF GATE, 18
 AD6275 FEET NORTHWEST OF WEST EDGE OF LEVEE AND 1 FOOT SOUTHEAST OF A
 AD6275 METAL WITNESS POST.

AD6275 RM 2, STAMPED JENKINS NO 2 1970, IS SET IN A CONCRETE POST THAT
 AD6275 IS SET FLUSH. IT IS 57 FEET SOUTHEAST OF EAST SIDE OF A PALMETTO
 AD6275 PATCH, 23.5 FEET NORTHWEST OF THE WEST EDGE OF LEVEE AND 1.2 FEET
 AD6275 NORTHEAST OF A METAL WITNESS POST.

AD6275 JENKINS S-2 (AZ MK), IS A PALM BEACH COUNTY SURVEY DEPARTMENT
 AD6275 BRONZE DISK STAMPED JENKINS S-2, IS SET IN A ROUND CONCRETE POST
 AD6275 FLUSH WITH THE SURFACE OF THE GROUND. IT IS 199 FEET EAST OF THE
 AD6275 NORTHWEST CORNER OF BALL PARK, 79 FEET WEST OF THE NORTHEAST
 AD6275 CORNER OF BALL PARK AND 2 FEET NORTH OF THE NORTH EDGE OF THE
 AD6275 BALL PARK.

AD6275

DATASHEETS

AD6275 TO REACH JENKINS S-2 (AZ MK) FROM THE STATION, GO EAST ON STATE
AD6275 HIGHWAY 706 FOR 0.2 MILE TO A BALL PARK ON LEFT. TURN LEFT AND
AD6275 GO NORTH ACROSS BALL PARK FOR 0.05 MILE TO THE MARK AS DESCRIBED.

AD6275
AD6275 HEIGHT OF LIGHT ABOVE STATION MARK 26 METERS.

AD6275
AD6275 STATION RECOVERY (1973)

AD6275
AD6275 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1973 (RRW)
AD6275 STATION, RM 1, AND RM 2 RECOVERED IN GOOD CONDITION AS DESCRIBED BY
AD6275 CLH IN 1970.

AD6275
AD6275 STATION RECOVERY (1981)

AD6275
AD6275 RECOVERY NOTE BY FL DEPT OF NAT RES 1981
AD6275 3.45 MI WEST FROM JUPITER.
AD6275 TO REACH THE STATION FROM THE POST OFFICE IN JUPITER, GO SOUTH ON
AD6275 HIGHWAY A1A ALONG THE EAST SIDE OF RAILROAD TRACKS FOR 0.45 MILE TO
AD6275 THE JUNCTION OF STATE HIGHWAY 706, TURN RIGHT AND GO WEST ON STATE
AD6275 HIGHWAY 706 FOR 3.0 MILE TO A CONCRETE BRIDGE OVER CANAL AND GATE ON
AD6275 LEFT JUST WEST OF THE BRIDGE, TURN LEFT AND PASS THROUGH GATE AND GO
AD6275 SOUTHWEST ALONG TOP OF LEVEE FOR 150 FEET TO THE STATION, 227 FEET
AD6275 SOUTHWEST OF THE SOUTHWEST CORNER OF THE BRIDGE, 165 FEET SOUTH OF
AD6275 CENTER OF STATE HIGHWAY 706, 35 FEET NORTHWEST OF THE WEST EDGE OF THE
AD6275 LEVEE, 2.2 FEET EST OF A METAL WITNESS POST.

AD6275
AD6275 STATION RECOVERY (1989)

AD6275
AD6275 RECOVERY NOTE BY FLORIDA DEPARTMENT OF TRANSPORTATION 1989 (CBM)
AD6275 TO REACH THE MARK FROM THE POST OFFICE IN JUPITER, GO SOUTH ON HIGHWAY
AD6275 A1A ALONG THE EAST SIDE OF RAILROAD TRACKS FOR 0.45 MILE (0.72 KM) TO
AD6275 THE JUNCTION OF STATE ROAD 706, TURN RIGHT AND GO WEST ON STATE ROAD
AD6275 706 FOR 3.0 MILES (4.8 KM) TO A CONCRETE BRIDGE OVER CANAL AND GATE ON
AD6275 LEFT JUST WEST OF THE BRIDGE. TURN LEFT AND PASS THROUGH GATE AND GO
AD6275 SOUTHWEST ALONG TOP OF LEVEE FOR 150 FEET (45.7 M) TO THE MARK. IT IS
AD6275 SET IN THE TOP OF A ROUND CONCRETE MONUMENT, 135.0 FEET (41.1 M)
AD6275 SOUTHWEST OF THE SOUTHWEST END OF THE BRIDGE ABUTMENT, 88.0 FEET (26.8
AD6275 M) SOUTH OF THE SOUTH EDGE OF THE EASTBOUND LANE AND 4.0 FEET (1.2 M)
AD6275 NORTH OF THE WEST END OF THE GATE.

AD6275
AD6275 STATION RECOVERY (1995)

AD6275
AD6275 RECOVERY NOTE BY US POWER SQUADRON 1995
AD6275 RECOVERED IN GOOD CONDITION.

AD6275
AD6275 STATION RECOVERY (2002)

AD6275
AD6275 RECOVERY NOTE BY US POWER SQUADRON 2002 (AEP)
AD6275 RECOVERED IN GOOD CONDITION.

AD6275
AD6275 STATION RECOVERY (2003)

AD6275
AD6275 RECOVERY NOTE BY US POWER SQUADRON 2003 (AEP)
AD6275 RECOVERED IN GOOD CONDITION.

AD6275
AD6275 STATION RECOVERY (2004)

AD6275
AD6275 RECOVERY NOTE BY FL DEPT OF ENV PRO 2004 (JLM)
AD6275 RECOVERED IN GOOD CONDITION.

AD6275
AD6275 STATION RECOVERY (2004)

AD6275
AD6275 RECOVERY NOTE BY US POWER SQUADRON 2004 (AEP)
AD6275 MARK IS 1.0 FOOT EAST OF CARSONITE WITNESS POST

AD6275
AD6275 STATION RECOVERY (2006)

AD6275
AD6275 RECOVERY NOTE BY FL DEPT OF ENV PRO 2006 (JRH)
AD6275 RECOVERED AS DESCRIBED.

AD6275
AD6275 STATION RECOVERY (2007)

AD6275
AD6275 RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2007 (RJW)
AD6275 RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:00

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|---------|---------|-------------|----------|--------|--------------|--------|--------|----------|--------------|--------------|------------|--------|-------------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.953 | | | | | | | | | | | | |
| BM | 5.702 | 5.702 | 25.860 | | | 20.158 | 20.158 | | | | | | NGS I95 89 A09 |
| | 4.451 | 0.000 | | | | | | | | | | | |
| STADIA | | 250.200 | | | | | | | | | | | |
| | 4.440 | | | 5.329 | | | | | | | | | |
| TP1 | 4.090 | 4.090 | 25.871 | 4.079 | 4.079 | 21.781 | | 500.30 | -0.000106752 | -0.000106752 | 21.781 | 6.639 | |
| | 3.740 | 0.000 | | 2.828 | 0.000 | | | 0.10 | | | | | |
| | 12.270 | | | 12.236 | | | | 0.10 | | | | | |
| STADIA | | 70.000 | | | 250.100 | | | | | | | | |
| | 6.451 | | | 6.329 | | | | | | | | | |
| TP2 | 6.111 | 6.111 | 25.986 | 5.998 | 5.996 | 19.875 | | 136.80 | -0.000029190 | -0.000135942 | 19.875 | 6.058 | NGS BM JENKINS |
| | 5.771 | 0.000 | | 5.661 | 0.002 | | | 3.20 | | | | | PUB ELEV. 19.859' |
| | 18.333 | | | 17.988 | | | | 3.30 | | | | | |
| STADIA | | 68.000 | | | 66.800 | | | | | | | | |
| | 5.299 | | | 4.551 | | | | | | | | | |
| TP3 | 4.050 | 4.050 | 25.830 | 4.208 | 4.206 | 21.780 | | 137.10 | -0.000029254 | -0.000165196 | 21.780 | 6.639 | |
| | 2.801 | 0.000 | | 3.860 | 0.002 | | | -1.10 | | | | | |
| | 12.150 | | | 12.619 | | | | 2.20 | | | | | |
| STADIA | | 249.800 | | | 69.100 | | | | | | | | |
| | 1.079 | | | 6.631 | | | | | | | | | |
| TP4 | 0.680 | 0.680 | 21.128 | 5.382 | 5.382 | 20.448 | | 499.60 | -0.000106603 | -0.000271799 | 20.448 | 6.233 | |
| | 0.281 | 0.000 | | 4.133 | 0.000 | | | 0.00 | | | | | |
| | 2.040 | | | 16.146 | | | | 2.20 | | | | | |
| STADIA | | 79.800 | | | 249.800 | | | | | | | | |
| | 7.170 | | | 7.740 | | | | | | | | | |
| TP5 | 5.919 | 5.919 | 19.697 | 7.350 | 7.350 | 13.778 | | 157.70 | -0.000033649 | -0.000305449 | 13.778 | 4.200 | |
| | 4.668 | 0.000 | | 6.961 | 0.000 | | | 1.90 | | | | | |
| | 17.757 | | | 22.051 | | | | 4.10 | | | | | |
| STADIA | | 250.200 | | | 77.900 | | | | | | | | |

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|---------|---------|-------------|----------|--------|--------------|--------|--------|----------|--------------|--------------|------------|--------|-------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.650 | | | 6.558 | | | | | | | | | |
| TP6 | 6.242 | 6.242 | 20.629 | 5.310 | 5.310 | 14.387 | | 499.80 | -0.000106646 | -0.000412094 | 14.387 | 4.385 | |
| | 5.834 | 0.000 | | 4.062 | 0.000 | | | 0.60 | | | | | |
| | 18.726 | | | 15.930 | | | | 4.70 | | | | | |
| STADIA | | 81.600 | | | 249.600 | | | | | | | | |
| | 5.766 | | | 7.001 | | | | | | | | | |
| TP7 | 4.515 | 4.515 | 18.558 | 6.588 | 6.586 | 14.042 | | 164.70 | -0.000035143 | -0.000447237 | 14.043 | 4.280 | |
| | 3.264 | 0.000 | | 6.170 | 0.002 | | | -1.50 | | | | | |
| | 13.545 | | | 19.759 | | | | 3.20 | | | | | |
| STADIA | | 250.200 | | | 83.100 | | | | | | | | |
| | 6.830 | | | 7.011 | | | | | | | | | |
| TP8 | 5.581 | 5.581 | 18.380 | 5.758 | 5.759 | 12.799 | | 500.40 | -0.000106774 | -0.000554011 | 12.799 | 3.901 | |
| | 4.332 | 0.000 | | 4.509 | -0.001 | | | 0.00 | | | | | |
| | 16.743 | | | 17.278 | | | | 3.20 | | | | | |
| STADIA | | 249.800 | | | 250.200 | | | | | | | | |
| | 6.698 | | | 6.220 | | | | | | | | | |
| TP9 | 5.449 | 5.449 | 18.858 | 4.971 | 4.971 | 13.409 | | 499.60 | -0.000106603 | -0.000660614 | 13.409 | 4.087 | |
| | 4.200 | 0.000 | | 3.722 | 0.000 | | | 0.00 | | | | | |
| | 16.347 | | | 14.913 | | | | 3.20 | | | | | |
| STADIA | | 249.800 | | | 249.800 | | | | | | | | |
| | 5.869 | | | 6.559 | | | | | | | | | |
| TP10 | 4.670 | 4.673 | 18.232 | 5.299 | 5.299 | 13.559 | | 501.80 | -0.000107072 | -0.000767686 | 13.559 | 4.133 | |
| | 3.481 | -0.003 | | 4.039 | 0.000 | | | -2.20 | | | | | |
| | 14.020 | | | 15.897 | | | | 1.00 | | | | | |
| STADIA | | 238.800 | | | 252.000 | | | | | | | | |
| | 10.470 | | | 5.709 | | | | | | | | | |
| TP11 | 9.220 | 9.220 | 22.933 | 4.519 | 4.519 | 13.713 | | 476.80 | -0.000101738 | -0.000869424 | 13.714 | 4.180 | |
| | 7.970 | 0.000 | | 3.329 | 0.000 | | | 0.80 | | | | | |
| | 27.660 | | | 13.557 | | | | 1.80 | | | | | |
| STADIA | | 250.000 | | | 238.000 | | | | | | | | |

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|---------|---------|-------------|----------|--------|--------------|--------|--------|----------|--------------|--------------|------------|--------|---------------------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.491 | | | 4.958 | | | | | | | | | |
| TP12 | 5.244 | 5.244 | 24.467 | 3.710 | 3.710 | 19.223 | | 499.60 | -0.000106603 | -0.000976027 | 19.224 | 5.859 | |
| | 3.998 | 0.000 | | 2.462 | 0.000 | | | 0.40 | | | | | |
| | 15.733 | | | 11.130 | | | | 2.20 | | | | | |
| STADIA | | 249.300 | | | 249.600 | | | | | | | | |
| | 4.478 | | | 7.179 | | | | | | | | | |
| TP13 | 3.865 | 3.867 | 22.406 | 5.928 | 5.928 | 18.539 | | 499.50 | -0.000106582 | -0.001082609 | 18.540 | 5.651 | |
| | 3.257 | -0.002 | | 4.677 | 0.000 | | | -0.90 | | | | | |
| | 11.600 | | | 17.784 | | | | 1.30 | | | | | |
| STADIA | | 122.100 | | | 250.200 | | | | | | | | |
| | 6.319 | | | 6.162 | | | | | | | | | |
| TP14 | 5.681 | 5.683 | 22.559 | 5.530 | 5.530 | 16.876 | | 248.40 | -0.000053003 | -0.001135611 | 16.877 | 5.144 | SET 2-1/2" ALUMINUM DISK |
| | 5.050 | -0.002 | | 4.899 | 0.000 | | | -4.20 | | | | | ON CONC. SLAB @ WELL SITE |
| | 17.050 | | | 16.591 | | | | -2.90 | | | | | ENCON |
| STADIA | | 126.900 | | | 126.300 | | | | | | | | |
| | 7.129 | | | 4.630 | | | | | | | | | |
| TP15 | 5.880 | 5.880 | 24.419 | 4.019 | 4.020 | 18.539 | | 248.90 | -0.000053109 | -0.001188721 | 18.541 | 5.651 | |
| | 4.631 | 0.000 | | 3.410 | -0.001 | | | 4.90 | | | | | |
| | 17.640 | | | 12.059 | | | | 2.00 | | | | | |
| STADIA | | 249.800 | | | 122.000 | | | | | | | | |
| | 4.598 | | | 6.450 | | | | | | | | | |
| TP16 | 3.349 | 3.349 | 22.567 | 5.201 | 5.201 | 19.218 | | 499.60 | -0.000106603 | -0.001295324 | 19.220 | 5.858 | |
| | 2.099 | 0.000 | | 3.952 | 0.000 | | | 0.00 | | | | | |
| | 10.046 | | | 15.603 | | | | 2.00 | | | | | |
| STADIA | | 249.900 | | | 249.800 | | | | | | | | |
| | 5.531 | | | 10.080 | | | | | | | | | |
| TP17 | 4.342 | 4.342 | 18.079 | 8.830 | 8.830 | 13.737 | | 499.90 | -0.000106667 | -0.001401991 | 13.738 | 4.187 | |
| | 3.153 | 0.000 | | 7.580 | 0.000 | | | -0.10 | | | | | |
| | 13.026 | | | 26.490 | | | | 1.90 | | | | | |
| STADIA | | 237.800 | | | 250.000 | | | | | | | | |

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|---------|---------|-------------|----------|--------|--------------|--------|--------|----------|--------------|--------------|------------|--------|-------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.452 | | | 5.700 | | | | | | | | | |
| TP18 | 5.199 | 5.199 | 18.777 | 4.501 | 4.501 | 13.578 | | 477.60 | -0.000101909 | -0.001503899 | 13.580 | 4.139 | |
| | 3.946 | 0.000 | | 3.302 | 0.000 | | | -2.00 | | | | | |
| | 15.597 | | | 13.503 | | | | -0.10 | | | | | |
| STADIA | | 250.600 | | | 239.800 | | | | | | | | |
| | 6.170 | | | 6.579 | | | | | | | | | |
| TP19 | 4.919 | 4.919 | 18.367 | 5.329 | 5.329 | 13.448 | | 500.60 | -0.000106816 | -0.001610716 | 13.450 | 4.099 | |
| | 3.668 | 0.000 | | 4.079 | 0.000 | | | 0.60 | | | | | |
| | 14.757 | | | 15.987 | | | | 0.50 | | | | | |
| STADIA | | 250.200 | | | 250.000 | | | | | | | | |
| | 7.069 | | | 7.020 | | | | | | | | | |
| TP20 | 5.817 | 5.817 | 18.414 | 5.770 | 5.770 | 12.597 | | 500.10 | -0.000106710 | -0.001717425 | 12.598 | 3.840 | |
| | 4.565 | 0.000 | | 4.521 | 0.000 | | | 0.30 | | | | | |
| | 17.451 | | | 17.311 | | | | 0.80 | | | | | |
| STADIA | | 250.400 | | | 249.900 | | | | | | | | |
| | 6.799 | | | 5.511 | | | | | | | | | |
| TP21 | 6.381 | 6.381 | 20.535 | 4.260 | 4.260 | 14.154 | | 500.60 | -0.000106816 | -0.001824242 | 14.155 | 4.315 | |
| | 5.963 | 0.000 | | 3.009 | 0.000 | | | 0.20 | | | | | |
| | 19.143 | | | 12.780 | | | | 1.00 | | | | | |
| STADIA | | 83.600 | | | 250.200 | | | | | | | | |
| | 6.230 | | | 6.428 | | | | | | | | | |
| TP22 | 4.979 | 4.979 | 19.492 | 6.020 | 6.022 | 14.512 | | 164.50 | -0.000035100 | -0.001859342 | 14.514 | 4.424 | |
| | 3.728 | 0.000 | | 5.619 | -0.002 | | | 2.70 | | | | | |
| | 14.937 | | | 18.067 | | | | 3.70 | | | | | |
| STADIA | | 250.200 | | | 80.900 | | | | | | | | |

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|---------|----------|-------------|----------|----------|--------------------------------------|--------|--------|----------|---|--------------|------------|--------|---------------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 8.160 | | | 7.250 | | | | | | | | | |
| TP23 | 7.759 | 7.759 | 21.246 | 6.005 | 6.005 | 13.487 | | 249.00 | -0.000053131 | -0.001965860 | 13.489 | 4.111 | |
| | 7.358 | 0.000 | | 4.760 | 0.000 | | | -249.00 | | | | | |
| | 23.277 | | | 18.015 | | | | 4.90 | | | | | |
| STADIA | | 80.200 | | | 249.000 | | | | | | | | |
| | | | | 1.489 | | | | | | | | | |
| BM | | | | 1.090 | 1.090 | 20.156 | 20.158 | 160.00 | -0.000034140 | -0.002000000 | 20.158 | 6.144 | BM CHECK I95 89 A09 |
| | | | | 0.691 | 0.000 | | | 0.40 | | | | | |
| | | | | 3.270 | | | | 5.30 | | | | | |
| | | | | | 79.800 | | | | | | | | |
| | | | | | | | LOR= | 9373.10 | CHECK VALUES TO VERIFY SAME OR TO SEE THEY ARE WITHIN | | | | |
| | TOTAL += | 4689.200 | | TOTAL -= | 4683.900 | | | 9373.10 | THIRD ORDER SPECS(MAX DIFF. 33 FT.) | | | | |
| | | | | | 5.30 | | | | | | | | |
| | | | | | RAW CLOSURE= | | | -0.002 | | | | | |
| | | | | | ERROR PER FOOT= | | | 0.000 | | | | | |
| | | | | | MTS ALLOWABLE ERROR FOR THIRD ORDER= | | | 0.040 | | | | | |
| | | | | | ACTUAL ERROR= | | | 0.002 | RED IF BAD-----GREEN IF GOOD | | | | |

copy and insert to expand worksheet

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|---------|---------|-------------|----------|--------|--------------|---------|--------|----------|--------------|--------------|------------|--------|-------------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.953 | | | | | | | | | | | | |
| BM | 5.702 | 5.702 | 27.415 | | | 21.713 | 21.713 | | | | | | NGS I95 89 A09 |
| | 4.451 | 0.000 | | | | | | | | | | | |
| STADIA | | 250.200 | | | | | | | | | | | |
| | 4.440 | | | 5.329 | | | | | | | | | |
| TP1 | 4.090 | 4.090 | 27.426 | 4.079 | 4.079 | 23.336 | | 500.30 | -0.000106752 | -0.000106752 | 23.336 | 7.113 | |
| | 3.740 | 0.000 | | 2.828 | 0.000 | | | 0.10 | | | | | |
| | 12.270 | | | 12.236 | | | | 0.10 | | | | | |
| STADIA | | 70.000 | | | | 250.100 | | | | | | | |
| | 6.451 | | | 6.329 | | | | | | | | | |
| TP2 | 6.111 | 6.111 | 27.541 | 5.998 | 5.996 | 21.430 | | 136.80 | -0.000029190 | -0.000135942 | 21.430 | 6.532 | NGS BM JENKINS |
| | 5.771 | 0.000 | | 5.661 | 0.002 | | | 3.20 | | | | | PUB ELEV. 21.414' |
| | 18.333 | | | 17.988 | | | | 3.30 | | | | | |
| STADIA | | 68.000 | | | | 66.800 | | | | | | | |
| | 5.299 | | | 4.551 | | | | | | | | | |
| TP3 | 4.050 | 4.050 | 27.385 | 4.208 | 4.206 | 23.335 | | 137.10 | -0.000029254 | -0.000165196 | 23.335 | 7.113 | |
| | 2.801 | 0.000 | | 3.860 | 0.002 | | | -1.10 | | | | | |
| | 12.150 | | | 12.619 | | | | 2.20 | | | | | |
| STADIA | | 249.800 | | | | 69.100 | | | | | | | |
| | 1.079 | | | 6.631 | | | | | | | | | |
| TP4 | 0.680 | 0.680 | 22.683 | 5.382 | 5.382 | 22.003 | | 499.60 | -0.000106603 | -0.000271799 | 22.003 | 6.707 | |
| | 0.281 | 0.000 | | 4.133 | 0.000 | | | 0.00 | | | | | |
| | 2.040 | | | 16.146 | | | | 2.20 | | | | | |
| STADIA | | 79.800 | | | | 249.800 | | | | | | | |
| | 7.170 | | | 7.740 | | | | | | | | | |
| TP5 | 5.919 | 5.919 | 21.252 | 7.350 | 7.350 | 15.333 | | 157.70 | -0.000033649 | -0.000305449 | 15.333 | 4.673 | |
| | 4.668 | 0.000 | | 6.961 | 0.000 | | | 1.90 | | | | | |
| | 17.757 | | | 22.051 | | | | 4.10 | | | | | |
| STADIA | | 250.200 | | | | 77.900 | | | | | | | |

| ENCON | 7050.07 | PARTY CHIEF | D.FERELS | DATE: | 4/15-16/2008 | Datum: | NGVD29 | F.B. 292 | PAGES | 3-6 | | | |
|---------|---------|-------------|----------|--------|--------------|--------|--------|----------|--------------|--------------|------------|--------|-------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.650 | | | 6.558 | | | | | | | | | |
| TP6 | 6.242 | 6.242 | 22.184 | 5.310 | 5.310 | 15.942 | | 499.80 | -0.000106646 | -0.000412094 | 15.942 | 4.859 | |
| | 5.834 | 0.000 | | 4.062 | 0.000 | | | 0.60 | | | | | |
| | 18.726 | | | 15.930 | | | | 4.70 | | | | | |
| STADIA | | 81.600 | | | 249.600 | | | | | | | | |
| | 5.766 | | | 7.001 | | | | | | | | | |
| TP7 | 4.515 | 4.515 | 20.113 | 6.588 | 6.586 | 15.597 | | 164.70 | -0.000035143 | -0.000447237 | 15.598 | 4.754 | |
| | 3.264 | 0.000 | | 6.170 | 0.002 | | | -1.50 | | | | | |
| | 13.545 | | | 19.759 | | | | 3.20 | | | | | |
| STADIA | | 250.200 | | | 83.100 | | | | | | | | |
| | 6.830 | | | 7.011 | | | | | | | | | |
| TP8 | 5.581 | 5.581 | 19.935 | 5.758 | 5.759 | 14.354 | | 500.40 | -0.000106774 | -0.000554011 | 14.354 | 4.375 | |
| | 4.332 | 0.000 | | 4.509 | -0.001 | | | 0.00 | | | | | |
| | 16.743 | | | 17.278 | | | | 3.20 | | | | | |
| STADIA | | 249.800 | | | 250.200 | | | | | | | | |
| | 6.698 | | | 6.220 | | | | | | | | | |
| TP9 | 5.449 | 5.449 | 20.413 | 4.971 | 4.971 | 14.964 | | 499.60 | -0.000106603 | -0.000660614 | 14.964 | 4.561 | |
| | 4.200 | 0.000 | | 3.722 | 0.000 | | | 0.00 | | | | | |
| | 16.347 | | | 14.913 | | | | 3.20 | | | | | |
| STADIA | | 249.800 | | | 249.800 | | | | | | | | |
| | 5.869 | | | 6.559 | | | | | | | | | |
| TP10 | 4.670 | 4.673 | 19.787 | 5.299 | 5.299 | 15.114 | | 501.80 | -0.000107072 | -0.000767686 | 15.114 | 4.607 | |
| | 3.481 | -0.003 | | 4.039 | 0.000 | | | -2.20 | | | | | |
| | 14.020 | | | 15.897 | | | | 1.00 | | | | | |
| STADIA | | 238.800 | | | 252.000 | | | | | | | | |
| | 10.470 | | | 5.709 | | | | | | | | | |
| TP11 | 9.220 | 9.220 | 24.488 | 4.519 | 4.519 | 15.268 | | 476.80 | -0.000101738 | -0.000869424 | 15.269 | 4.654 | |
| | 7.970 | 0.000 | | 3.329 | 0.000 | | | 0.80 | | | | | |
| | 27.660 | | | 13.557 | | | | 1.80 | | | | | |
| STADIA | | 250.000 | | | 238.000 | | | | | | | | |

| ENCON | 7050.07 | PARTY CHIEF | D.FERELS | DATE: | 4/15-16/2008 | Datum: | NGVD29 | F.B. 292 | PAGES | 3-6 | | | |
|---------|---------|-------------|----------|--------|--------------|--------|--------|----------|--------------|--------------|------------|--------|---------------------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.491 | | | 4.958 | | | | | | | | | |
| TP12 | 5.244 | 5.244 | 26.022 | 3.710 | 3.710 | 20.778 | | 499.60 | -0.000106603 | -0.000976027 | 20.779 | 6.333 | |
| | 3.998 | 0.000 | | 2.462 | 0.000 | | | 0.40 | | | | | |
| | 15.733 | | | 11.130 | | | | 2.20 | | | | | |
| STADIA | | 249.300 | | | 249.600 | | | | | | | | |
| | 4.478 | | | 7.179 | | | | | | | | | |
| TP13 | 3.865 | 3.867 | 23.961 | 5.928 | 5.928 | 20.094 | | 499.50 | -0.000106582 | -0.001082609 | 20.095 | 6.125 | |
| | 3.257 | -0.002 | | 4.677 | 0.000 | | | -0.90 | | | | | |
| | 11.600 | | | 17.784 | | | | 1.30 | | | | | |
| STADIA | | 122.100 | | | 250.200 | | | | | | | | |
| | 6.319 | | | 6.162 | | | | | | | | | |
| TP14 | 5.681 | 5.683 | 24.114 | 5.530 | 5.530 | 18.431 | | 248.40 | -0.000053003 | -0.001135611 | 18.432 | 5.618 | SET 2-1/2" ALUMINUM DISK |
| | 5.050 | -0.002 | | 4.899 | 0.000 | | | -4.20 | | | | | ON CONC. SLAB @ WELL SITE |
| | 17.050 | | | 16.591 | | | | -2.90 | | | | | ENCON |
| STADIA | | 126.900 | | | 126.300 | | | | | | | | |
| | 7.129 | | | 4.630 | | | | | | | | | |
| TP15 | 5.880 | 5.880 | 25.974 | 4.019 | 4.020 | 20.094 | | 248.90 | -0.000053109 | -0.001188721 | 20.096 | 6.125 | |
| | 4.631 | 0.000 | | 3.410 | -0.001 | | | 4.90 | | | | | |
| | 17.640 | | | 12.059 | | | | 2.00 | | | | | |
| STADIA | | 249.800 | | | 122.000 | | | | | | | | |
| | 4.598 | | | 6.450 | | | | | | | | | |
| TP16 | 3.349 | 3.349 | 24.122 | 5.201 | 5.201 | 20.773 | | 499.60 | -0.000106603 | -0.001295324 | 20.775 | 6.332 | |
| | 2.099 | 0.000 | | 3.952 | 0.000 | | | 0.00 | | | | | |
| | 10.046 | | | 15.603 | | | | 2.00 | | | | | |
| STADIA | | 249.900 | | | 249.800 | | | | | | | | |
| | 5.531 | | | 10.080 | | | | | | | | | |
| TP17 | 4.342 | 4.342 | 19.634 | 8.830 | 8.830 | 15.292 | | 499.90 | -0.000106667 | -0.001401991 | 15.293 | 4.661 | |
| | 3.153 | 0.000 | | 7.580 | 0.000 | | | -0.10 | | | | | |
| | 13.026 | | | 26.490 | | | | 1.90 | | | | | |
| STADIA | | 237.800 | | | 250.000 | | | | | | | | |

| ENCON | 7050.07 | PARTY CHIEF | D.FERELS | DATE: | 4/15-16/2008 | Datum: | NGVD29 | F.B. 292 | PAGES | 3-6 | | | |
|---------|---------|-------------|----------|--------|--------------|--------|--------|----------|--------------|--------------|------------|--------|-------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 6.452 | | | 5.700 | | | | | | | | | |
| TP18 | 5.199 | 5.199 | 20.332 | 4.501 | 4.501 | 15.133 | | 477.60 | -0.000101909 | -0.001503899 | 15.135 | 4.613 | |
| | 3.946 | 0.000 | | 3.302 | 0.000 | | | -2.00 | | | | | |
| | 15.597 | | | 13.503 | | | | -0.10 | | | | | |
| STADIA | | 250.600 | | | 239.800 | | | | | | | | |
| | 6.170 | | | 6.579 | | | | | | | | | |
| TP19 | 4.919 | 4.919 | 19.922 | 5.329 | 5.329 | 15.003 | | 500.60 | -0.000106816 | -0.001610716 | 15.005 | 4.573 | |
| | 3.668 | 0.000 | | 4.079 | 0.000 | | | 0.60 | | | | | |
| | 14.757 | | | 15.987 | | | | 0.50 | | | | | |
| STADIA | | 250.200 | | | 250.000 | | | | | | | | |
| | 7.069 | | | 7.020 | | | | | | | | | |
| TP20 | 5.817 | 5.817 | 19.969 | 5.770 | 5.770 | 14.152 | | 500.10 | -0.000106710 | -0.001717425 | 14.153 | 4.314 | |
| | 4.565 | 0.000 | | 4.521 | 0.000 | | | 0.30 | | | | | |
| | 17.451 | | | 17.311 | | | | 0.80 | | | | | |
| STADIA | | 250.400 | | | 249.900 | | | | | | | | |
| | 6.799 | | | 5.511 | | | | | | | | | |
| TP21 | 6.381 | 6.381 | 22.090 | 4.260 | 4.260 | 15.709 | | 500.60 | -0.000106816 | -0.001824242 | 15.710 | 4.789 | |
| | 5.963 | 0.000 | | 3.009 | 0.000 | | | 0.20 | | | | | |
| | 19.143 | | | 12.780 | | | | 1.00 | | | | | |
| STADIA | | 83.600 | | | 250.200 | | | | | | | | |
| | 6.230 | | | 6.428 | | | | | | | | | |
| TP22 | 4.979 | 4.979 | 21.047 | 6.020 | 6.022 | 16.067 | | 164.50 | -0.000035100 | -0.001859342 | 16.069 | 4.898 | |
| | 3.728 | 0.000 | | 5.619 | -0.002 | | | 2.70 | | | | | |
| | 14.937 | | | 18.067 | | | | 3.70 | | | | | |
| STADIA | | 250.200 | | | 80.900 | | | | | | | | |

| ENCON | 7050.07 | PARTY CHIEF | D.FERELS | DATE: | 4/15-16/2008 | Datum: | NGVD29 | F.B. 292 | PAGES | 3-6 | | | |
|---------|----------|-------------|----------|----------|--------------------------------------|---------|--------|----------|--|--------------|------------|--------|---------------------|
| STATION | 3 WIRE | AVG.(ENG) | HI | 3 WIRE | AVG.(ENG) | ELEV. | BM EL. | DIST. | ERROR | ACCUM. | ADJ. ELEV. | METRIC | DESCRIPTION |
| | 8.160 | | | 7.250 | | | | | | | | | |
| TP23 | 7.759 | 7.759 | 22.801 | 6.005 | 6.005 | 15.042 | | 249.00 | -0.000053131 | -0.001965860 | 15.044 | 4.585 | |
| | 7.358 | 0.000 | | 4.760 | 0.000 | | | -249.00 | | | | | |
| | 23.277 | | | 18.015 | | | | 4.90 | | | | | |
| STADIA | | 80.200 | | | | 249.000 | | | | | | | |
| | | | | 1.489 | | | | | | | | | |
| BM | | | | 1.090 | 1.090 | 21.711 | 21.713 | 160.00 | -0.000034140 | -0.002000000 | 21.713 | 6.618 | BM CHECK I95 89 A09 |
| | | | | 0.691 | 0.000 | | | 0.40 | | | | | |
| | | | | 3.270 | | | | 5.30 | | | | | |
| | | | | | | 79.800 | | | | | | | |
| | | | | | | | LOR= | 9373.10 | CHECK VALUES TO VERIFY SAME OR TO SEE THEY ARE WITHIN THIRD ORDER SPECS(MAX DIFF. 33 FT.) | | | | |
| | TOTAL += | 4689.200 | | TOTAL -= | 4683.900 | | | 9373.10 | | | | | |
| | | | | | 5.30 | | | | | | | | |
| | | | | | RAW CLOSURE= | | | -0.002 | | | | | |
| | | | | | ERROR PER FOOT= | | | 0.000 | | | | | |
| | | | | | MTS ALLOWABLE ERROR FOR THIRD ORDER= | | | 0.040 | | | | | |
| | | | | | ACTUAL ERROR= | | | 0.002 | RED IF BAD-----GREEN IF GOOD | | | | |

copy and insert to expand worksheet

WELL SITE ENCON

Station Name:
ENCON_MW2U (Upper)

SHALLOW ZONE
WELL

Station Name:
ENCON_MW2L (Middle)

INTERMEDIATE
ZONE WELL

Station Name: PB1171

DEEP ZONE WELL



4/16/08

Keith and Associates, Inc.

WELL SITE ENCON



Station Name: PB1171 Reference Point

4/16/08

Keith and Associates, Inc.

Deep Well Measure Point & Information

WELL SITE ENCON



Station Name: ENCON_MW2L (Middle) Reference Point

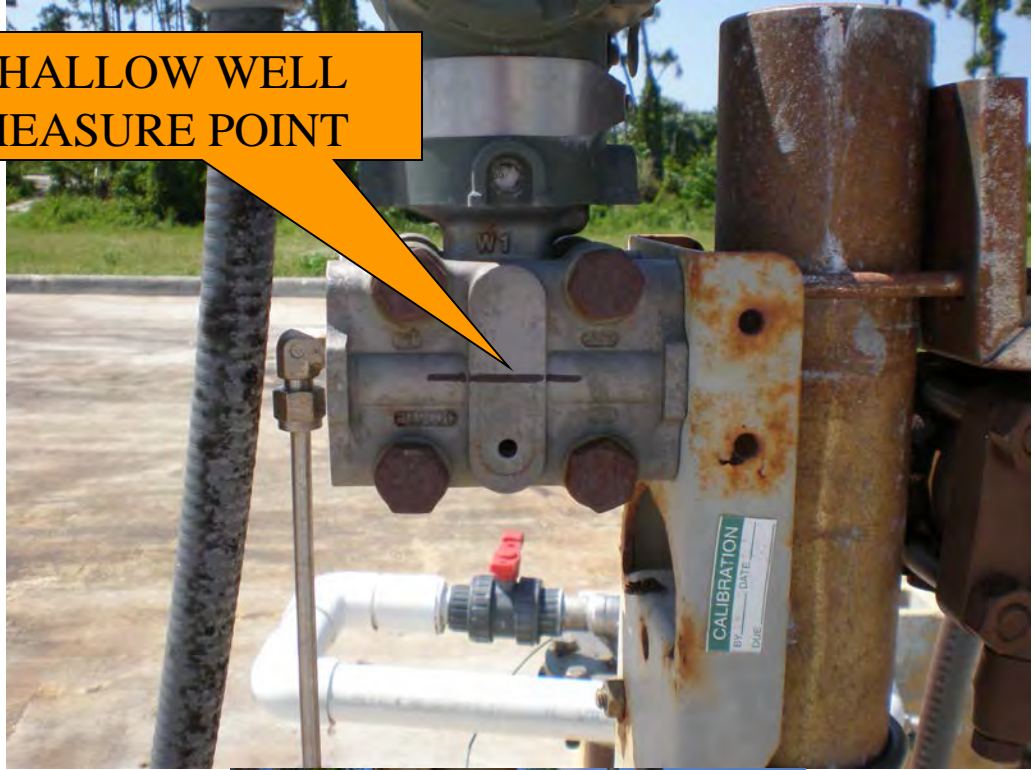
4/16/08

Keith and Associates, Inc.

Intermediate Well Measure Point & Information

WELL SITE ENCON

SHALLOW WELL
MEASURE POINT



Station Name: ENCON_MW2U (Shallow) Reference Point

4/16/08

Keith and Associates, Inc.

Shallow Well Measure Point & Information

Information in "Red" not part of the Surveyor's Report

ENCON WELL SITE



4/16/08

Keith and Associates, Inc.

Site Benchmark ENCON 2008

4-15-08
PERELS
MAIS

S.F.W.M.D.
ENCON

GPS @ BM ENCON

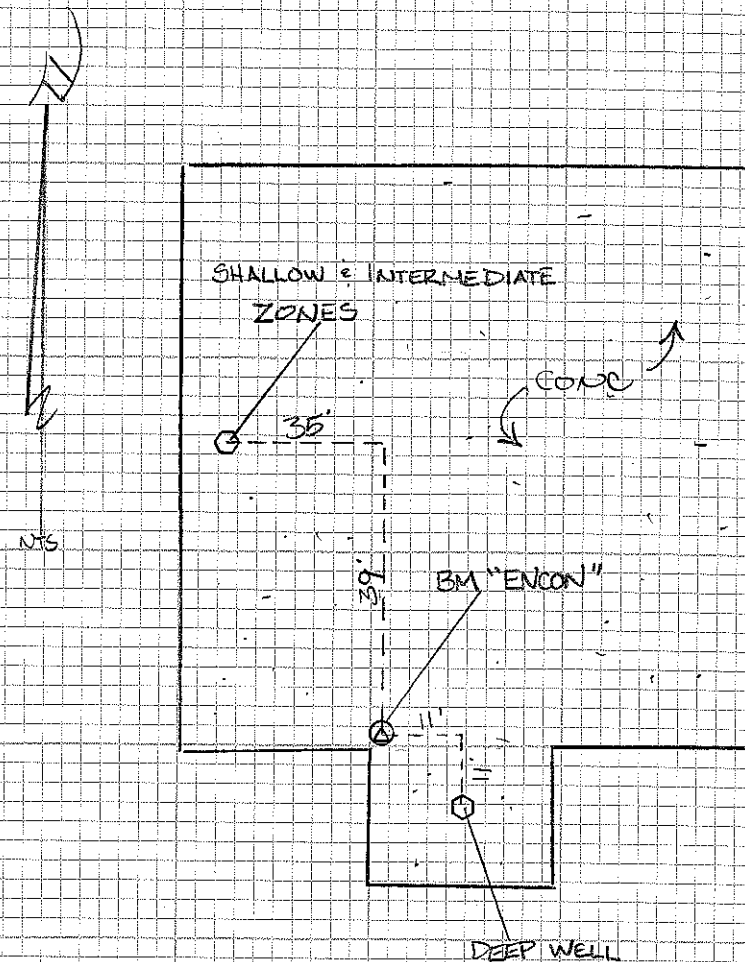
START TIME = 10:07 AM

END TIME = 10:32 AM

HI = 4.72 / 1.4387^(m)

S.N. = 0220279869

292-02



| 4-15-08 FERELS MAIS | | S.F.W.M.D. ENCOU | | NAVD 1988 ELEV | | DATA SHEET ADJ. FEB. 1997 | |
|---------------------------|-------------|---------------------|-------------|-------------------|---------|------------------------------|---------|
| | + | HI | - | | | ADJ. ELEV. | |
| BM | 6.953 | | | 20.784 | | | |
| | 5.702 | | | 20.158 | | | |
| | (250) 4.451 | | | | | | |
| | 5.702 | 25.886 | | | | | |
| | | | | | | | |
| TP1 | 4.440 | | 5.329 | | | | |
| | 4.090 | | 4.079 | | | | |
| | (70) 3.740 | | (250) 2.828 | | | | |
| | 4.090 | 25.807 | 4.079 | 21.807 | | | |
| | | 25.871' | | 21.781' | 21.781' | | 21.781' |
| TP2 | 6.451 | | 6.329 | | | | |
| | 6.111 | | 5.998 | | | | |
| | (68) 5.771 | | (67) 5.661 | | | | |
| | 6.111 | 26.012 | 5.996 | 19.904 | | | |
| | | 25.986' | | 19.875' | 19.875' | | 19.875' |
| TP3 | 5.299 | | 4.551 | | | | |
| | 4.050 | | 4.208 | | | | |
| | (250) 2.801 | | (69) 3.860 | | | | |
| | 4.050 | 25.850 | 4.206 | 21.806 | | | |
| | | 25.830' | | 21.780' | 21.780' | | 21.780' |
| TP4 | 1.079 | | 6.631 | | | | |
| | 0.680 | | 5.382 | | | | |
| | (80) 0.281 | | (250) 4.133 | | | | |
| | 0.680 | 21.452 | 5.382 | 20.444 | | | |
| | | 21.128' | | 20.448' | 20.448' | | 20.448' |
| TP5 | 7.170 | | 7.740 | | | | |
| | 5.919 | | 7.350 | | | | |
| | (250) 4.668 | | (70) 6.961 | | | | |
| | 5.919 | 19.723 | 7.350 | 13.804 | | | |
| | | 19.697' | | 13.778' | 13.778' | | 13.778' |
| TP6 | 6.650 | | 6.558 | | | | |
| | 6.242 | | 5.310 | | | | |
| | (82) 5.834 | | (250) 4.062 | | | | |
| | 6.242 | 20.629 | 5.310 | 14.387 | | | |
| | | 20.655' | | 14.387' | 14.387' | | 14.387' |

FND FL D.O.T. BRASS DISC IN CONC. MON.
 STAMPED 195 89 A09 ELEVATION ESTABLISHED BY DIFF (-D.026)
 OF RE-ADJUSTMENT JENKINS FEB. 1997 = 19.885' / JENKINS
 AUG. 2007 = 19.859'

SET PK NL IN SOUTH END INDIAN TOWN RD.

FND USCG BRASS DISC IN CONC MON.
 STAMPED JENKINS 1970
 NAVD 1988 ELEV. = 19.859

SET NL

SET LOD NL

" "

" "

4-16-08

FERELS

MAIS

S.F.W.M.D.

ENCON

NAVD 1988

ADJ.
ELEV.

| | + | H.I. | - | ELEV | ADJ. ELEV. |
|-------|--------|-------------------|-------------|-------------------|---------------|
| TP7 | 5.766 | | 7.001 | | |
| | 4.515 | | 6.588 | | |
| (251) | 3.264 | | (25) 6.170 | | |
| | 4.515 | | 6.586 | 14.009 | |
| | | 18.584 | | 14.042' | 14.043 |
| | | 18.558' | | | |
| TP8 | 6.830 | | 7.011 | | |
| | 5.581 | | 5.758 | | |
| (252) | 4.332 | | (29) 4.509 | | |
| | 5.581 | | 5.759 | 12.835 | |
| | | 18.706 | | 12.799' | 12.799' |
| | | 18.380' | | | |
| TP9 | 6.098 | | 6.220 | | |
| | 5.449 | | 4.971 | | |
| (250) | 4.200 | | (250) 3.722 | 13.409' | |
| | 5.449 | | 4.971 | 13.435 | 13.409' |
| | | 18.884 | | | |
| | | 18.858' | | | |
| TP10 | 5.869 | | 6.559 | | |
| | 4.670 | | 5.299 | | |
| (239) | 3.481 | | (252) 4.039 | 13.559' | |
| | 4.673 | | 5.299 | 13.585 | 13.559' |
| | | 18.258 | | | |
| | | 18.232' | | | |
| TP11 | 10.470 | | 5.709 | | |
| | 9.220 | | 4.519 | | |
| (290) | 7.970 | | (238) 3.329 | 13.718' | |
| | 9.220 | | 4.519 | 13.739 | 13.714' |
| | | 22.459 | | | |
| | | 22.933' | | | |
| TP12 | 6.491 | | 4.958 | | |
| | 5.244 | | 3.710 | | |
| (249) | 3.998 | | (250) 2.402 | 19.228' | |
| | 5.244 | | 3.710 | 19.249 | 19.224' |
| | | 24.443 | | | |
| | | 24.467' | | | |
| TP13 | 4.478 | | 7.179 | | |
| | 3.865 | | 5.928 | | |
| (122) | 3.257 | | (250) 4.671 | 18.539' | |
| | 3.867 | | 5.928 | 18.565 | 18.540' |
| | | 22.406' | | | |
| | | 22.431 | | | |

292.04

SET LOD ML

" "

" "

" "

" "

SET ML IN ASPH

SET LOD ML

4-15-08
FERELS
MAIS

S. F. W. M. D.
ENCON

NAVD 1988
ELEV ADJ. ELEV

| | + | HI | - | ELEV | ADJ. ELEV |
|-------|-------|-------------------|-------------|-------------------|-------------------|
| TP14 | 6.319 | | 6.162 | | |
| | 5.681 | | 5.530 | | |
| (127) | 5.080 | | (126) 4.899 | | |
| | 5.683 | 22.585 | 5.530 | 16.902 | 16.903 |
| | | 22.559' | | 16.876' | 16.877' |
| TP15 | 7.129 | | 4.630 | | |
| | 5.880 | | 4.019 | | |
| (250) | 4.631 | | (127) 3.410 | | |
| | 5.880 | 24.445 | 4.020 | 18.525 | |
| | | 24.419' | | 18.529' | 18.541' |
| TP16 | 4.598 | | 6.450 | | |
| | 3.349 | | 5.201 | | |
| (250) | 2.099 | | (250) 3.952 | | |
| | 3.349 | 22.593 | 5.201 | 19.244 | 19.220' |
| | | 22.567' | | 19.218' | |
| TP17 | 5.531 | | 10.080 | | |
| | 4.342 | | 8.830 | | |
| (238) | 3.153 | | (250) 7.580 | | |
| | 4.342 | 18.105 | 8.830 | 13.763 | 13.739' |
| | | 18.079' | | 13.737' | |
| TP18 | 6.452 | | 5.700 | | |
| | 5.199 | | 4.501 | | |
| (250) | 3.946 | | (240) 3.302 | | |
| | 5.199 | 18.003 | 4.501 | 13.604 | 13.580' |
| | | 18.777' | | 13.578' | |
| TP19 | 6.170 | | 6.579 | | |
| | 4.919 | | 5.329 | | |
| (250) | 3.668 | | (250) 4.079 | | |
| | 4.919 | 18.393 | 5.329 | 13.474 | 13.450' |
| | | 18.367' | | 13.448' | |
| TP20 | 7.069 | | 7.020 | | |
| | 5.817 | | 5.770 | | |
| (250) | 4.565 | | (250) 4.521 | | |
| | 5.817 | 18.440 | 5.770 | 12.597 | 12.590' |
| | | 18.414' | | 12.623' | |

SET S.F.W.M.D. ALUM. DISC IN CONC PAD
STAMPED ENCON 2008
13.432 NAVD 1929 (ADJ.)

532A

SET 60d NL

SET NL

SET 60d NL

" "

" "

" "

4-16-08

FERELS

MAIS

S.E.W.M.D.

EDCON

NAVD 1988

ADJ.
ELEV.

| | F | H' | - | ELEV | ADJ. ELEV. |
|------|-------------|-------------------|-------|-------|-------------------|
| TP21 | 6.799 | | | 5.511 | |
| | 6.381 | | | 4.260 | |
| | (84) 5.963 | | (29) | 3.009 | |
| | 6.381 | 20.564 | | 4.260 | 14.185 |
| | | 20.535' | | | 14.154' 14.155' |
| TP22 | 6.230 | | | 6.428 | |
| | 4.979 | | | 6.020 | |
| | (290) 3.728 | | (81) | 5.619 | |
| | 4.979 | 19.518 | | 6.022 | 14.537 |
| | | 19.492' | | | 14.512' 14.514' |
| TP23 | 8.100 | | | 7.250 | |
| | 7.759 | | | 6.005 | |
| | (80) 7.358 | | (249) | 4.760 | |
| | 7.759 | 21.272 | | 6.005 | 13.513 |
| | | 21.246' | | | 13.487' 13.489' |
| BM | | | | 1.489 | |
| | | | | 1.090 | |
| | | | (80) | 0.691 | |
| | | | | 1.090 | 20.182 |
| | | | | | 20.156 20.158 ✓ |

292.06

SET 60d NL

" "

" "

195 89 109
 NAVD 1988 ELEV. = 70.184
 TOTAL ERROR = -0.002 (ALLOWABLE ERROR 0.040)
 TOTAL DIST = 9380'

4-16-08

FEREUS

MAIS

S.F.W.M.D.

ENCON

NAVD 1988

NGVD 1929

ELEV

ELEV

BM

5.339

5.260

5.181

5.260

~~22.103~~

22.137'

~~16.903~~

16.877'

18.432

TP1

2.739

2.680

2.619

2.679

2.612

2.552

2.492

2.552

19.585'

19.611

21.140'

~~21.121~~

TP2

5.496

5.139

4.780

5.138

22.264'

5.409

5.345

5.281

5.345

16.92'

~~16.946~~

18.47'

TP3

5.384

5.342

5.300

5.342

22.058'

5.470

5.429

5.389

5.429

16.63'

~~16.654~~

18.18'

TP4

0.508

0.464

0.420

0.464

21.970'

0.590

0.549

0.508

0.549

21.420'

~~21.447~~

22.995'

~~22.957~~

TP5

0.660

0.618

0.570

0.616

21.885'

0.613

0.569

0.525

0.568

21.316'

~~21.343~~

22.871'

~~22.853~~

BM

5.341

5.054

4.767

5.054

16.879'

~~16.905~~

OFFSET

~~1.57~~

1.555'

292.07

SFWD ALUM DISC IN CONC.
STAMPED ENCON 2008

SET MARK ON DEEP WELL

CONC @ DEEP WELL

CONC @ SHALLOW & INTERMEDIATE ZONES

SET MARK ON SHALLOW ZONE

SET MARK ON INTERMEDIATE ZONE

ENCON

6-10-08

PERELS

MAIS

S. F. W. R. D.

LINCOLN

NAVD 1988

ELL

BM

7.309

15.013

6.900

(87) 6.491

6.900

21.913

TP 1

6.208

1.306

4.950

0.911

(252) 3.692

(79) 0.519

4.950

25.951

0.912

21.001

TP 2

5.324

6.909

5.256

5.650

(3) 5.188

(252) 4.391

5.256

25.557

5.650

20.301

BM

5.492

5.414

(5) 5.336

5.414

20.143

9/5 1.555

292-44

FIND BRASS DIEG IN CONC LOCK WINGWALL
STAMPED FCE 1674 1958

SET NL IN NORTH EP INDIAN TOWN RD.

SET NL IN ASPH DRIVE FOR BEAT RAMP

FIND BRASS DISC IN CONC FLDG. STAMPED 195 89 A09
NAVD 1988 ELEV = 20.158

ENCON Well .met

Identifi cation_I nformati on:

Ci tati on:

Ci tati on_I nformati on:

Ori gi nator: Mi chael M. Mossey, P. S. M. (ed.)

Publ i cation_ Date: 20080606

Publ i cation_ Ti me: Unknown

Titl e: Well Si te ENCON

Edi ti on: 1

Publ i cation_I nformati on:

Publ i cation_ Pl ace: Not Publ i shed

Publ i sher: None

Onl i ne_ Li nkage: mmossey@kei th-associ ates. com

Descri pti on:

Abstr act: Well si te ENCON Deep, Intermedi ate and Shal low Zones.

Purpo se:

To establi sh reference elevati ons i n NAVD 1988 and NGVD 1929 datum at the si te on the existi ng wells and set a si te benchmar k.

Ti me_ Peri od_of_ Content:

Ti me_ Peri od_I nformati on:

Range_of_ Dates/ Ti mes:

Bei gni ng_ Date: 20080514

Endi ng_ Date: 20080610

Currentness_ Reference: Publ i cation Date

Status:

Progre ss: Compl ete

Mai ntenance_and_ Update_ Frequency: Unknown

Spati al_ Domai n:

Boundi ng_ Coordi nates:

West_ Boundi ng_ Coordi nate: 80°08' 23. 8"

East_ Boundi ng_ Coordi nate: 80°08' 23. 8"

North_ Boundi ng_ Coordi nate: 26°55' 25. 2"

South_ Boundi ng_ Coordi nate: 26°55' 25. 2"

Keywords:

Theme:

Theme_ Keyword_ Thesauru s: Speci fi c Purpose Survey

Theme_ Keyword: Well Si te

Pl ace:

Pl ace_ Keyword_ Thesauru s: Palm Beach County, Fl ori da

Pl ace_ Keyword: Well Si te ENCON

Pl ace_ Keyword: Secti ons 10 Townshi p 41 S - Range 42 E

Access_ Constrai nts: None

Use_ Constrai nts: None

Poi nt_of_ Contact:

Contact_ I nformati on:

Contact_ Person_ Pri mary:

Contact_ Person: Steve Krupa

Contact_ Organi zati on: South Fl ori da Water Management

Di stri ct

Contact_ Posi ti on: Seni or Supervi sor

Contact_ Address:

Address_ Type: mai li ng and physi cal address

Address:

3301 Gun Cl ub Road

MS 4330

Ci ty: West Palm Beach

State_or_ Provi nce: Fl ori da

Postal_ Code: 33406

Country: USA

Contact_ Voi ce_ Tel ephone: Offi ce (561) 682-6923

Contact_ El ectroni c_ Mai l_ Address: skrupa@sfwmd. gov

Hours_of_ Servi ce: 8:00 am to 5:00 pm EST

Data_ Quali ty_ I nformati on:

ENCON Well .met

Attribute_Accuracy:

Attribute_Accuracy_Report:

Horizontal locations were obtained using a Trimble 5700 receiver. The site benchmark and wells were occupied for a minimum of fifteen minutes for rapid static processing to obtain sub-meter accuracy. Coordinates are based on the Florida State Plane Coordinate System, East Zone, NAD 1983/90. Elevations are based on NGVD 1929 with an offset supplied to convert to NAVD 1988.

Logical_Consistency_Report:

Vertical data at the site was established using site Benchmark "ENCON 2008", a South Florida Water Management 2-1/2" aluminum disk.

Completeness_Report:

Deep Zone Measure Point (NGVD1929) Elev.

21.14'

Deep Zone Measure Point (NAVD1988) Elev.

19.58'

Intermediate Zone Measure Point (NGVD1929) Elev.

22.87'

Intermediate Zone Measure Point (NAVD1988) Elev.

21.32'

Shallow Zone Measure Point (NGVD1929) Elev.

22.98'

Shallow Zone Measure Point (NAVD1988) Elev.

21.42'

Site Benchmark ENCON 2008, To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 1.0 mile to the junction of Central Boulevard on the right, turn right onto Central Boulevard, heading south, 0.53 miles to the junction of Jupiter Park Road on the right, turn right onto Jupiter Park Road, heading west, 0.32 miles to the junction of an asphalt road and entrance to a waste water treatment plant on the left, turn left into the plant and follow the asphalt road 0.33 miles to the southeast corner of the plant and a concrete slab housing the ENCON wells. The mark is a 2-1/2" aluminum disk located on the south side of the concrete slab, 12' north of and 12.7' west of the deep zone well (most southerly well).

NAVD 1988 elevation 16.877' (field derived)

NGVD 1929 elevation 18.432' (field derived)

NGS Benchmark 195 89 A09, The orthometric height of 20.184' was adjusted for this survey by (-)0.026' to match the re-adjustment of benchmark JENKINS by NGS in August 2007.

To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 0.4 mile (0.6 km) to the State Road 706 bridges over Canal C-18 and the mark at the west end of a dead end asphalt drive near the southeast corner of the bridges. It is set in the top of a round concrete monument, it is 63.2 feet (19.3 m) north of the southwest end of the curved guardrail at the end of the drive, 56.2 feet (17.1 m) southwest of the north end of the curved guardrail and 2.0 feet (0.6 m) west of the west edge of the asphalt drive.

NAVD 1988 elevation 20.184' (NGS Data sheet)

20.158' (used for level run), NGVD 1929 elevation (None)

Benchmark JENKINS, The orthometric height was determined by differential leveling and adjusted by the NATIONAL GEODETIC SURVEY in August 2007. To

reach the mark from the post office in Jupiter, go south on highway A1A along the east side of railroad tracks for 0.45

ENCON Well.met

mile (0.72 km) to the junction of State Road 706, turn right and go west on State Road 706 for 3.0 miles (4.8 km) to a concrete bridge over canal and gate on left just west of the bridge. Turn left and pass through gate and go southwest along top of levee for 150 feet (45.7 m) to the mark. It is set in the top of a round concrete monument, 135.0 feet (41.1 m) southwest of the southwest end of the bridge abutment, 88.0 feet (26.8 m) south of the south edge of the eastbound lane and 4.0 feet (1.2 m) north of the west end of the gate.
NAVD 1988 elevation 19.859' (NGS Data sheet)
NGVD 1929 elevation 21.414, superseded value from NGS Data Sheet.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

were

The horizontal location of the benchmark and wells obtained using sub-meter GPS methods, Trimble 5700 receiver and a fifteen minute static session. The

results of

the static session were processed through the NGS

website

OPUS program .

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: +/- 3'

Horizontal_Positional_Accuracy_Explanation: Value

derived using Trimble 5700 receiver/cellular RTK link.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report:

NGS benchmarks 195 89 A09 and JENKINS were used to establish the elevations on site benchmark ENCON 2008. Site benchmark ENCON 2008 was used to establish the elevations at the site. The offset

values

referred to as "SFWMD VALUE" and "NGS VALUE" were derived by subtracting the NAVD 1988 value from the

NGVD 1929 value at NGS benchmark JENKINS. The NGVD 1929 value for benchmark JENKINS was obtained from the NGS Data Sheet as a Superseded Value.

Quantitative_Vertical_Positional_Accuracy_Assessment:

Vertical_Positional_Accuracy_Value: 0.002'

Vertical_Positional_Accuracy_Explanation: Better

than 0.03ft. x sq. root of miles of the level loop.

Quantitative_Vertical_Positional_Accuracy_Assessment:

Vertical_Positional_Accuracy_Value: 0.002'

Vertical_Positional_Accuracy_Explanation: Better

than 0.03ft. x the sq. root of miles of the level loop.

Lineage:

Process_Step:

Process_Description:

Benchmark "ENCON 2008" (the site benchmark) was used as the primary vertical control for

establishing the

elevations on the measuring points. A level loop was

run

starting at NGS benchmark 195 89 A09, through NGS benchmark JENKINS, through site benchmark "ENCON 2008" and back to Benchmark 195 89 A09. Note: For

this

A09
adjustment)
of the
and
wells

version
National

file

nearest to
number of
the three
obtain

(Latitude and
Control

ENCON Well.met
survey the starting elevation of Benchmark 195 89
(20.184' adjusted Feb. 1997, no August 2007
was lowered 0.026' (20.158') to match the difference
NGS re-adjusted elevation (19.885', February 1997
19.859', August 2007) of Benchmark JENKINS. The
and site benchmark were located via GPS
observations. The static sessions data was downloaded
from the receiver using Trimble Geomatics Office,
1.62 (TGO). The DAT file was then sent to the
Geodetic Survey program OPUS RS (On-Line Positioning
User Service rapid static) for processing. Each data
submitted to OPUS RS is processed with respect to 3
CORS sites. The sites selected may not be the
the static session but are selected by distance,
observations, site stability, etc. The results of
baselines are then added together and averaged to
the unknown station(s) (site benchmark SCU MW 2008)
values. Those values for the site benchmark
Longitude) are shown in the corresponding Vertical
and Project Results sections below.

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 26°55'25.2"

Longitude_Resolution: -80°08'23.8"

Geographic_Coordinate_Units: Degrees, minutes, and decimal

seconds

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Keith and Associates

Contact_Person: Michael Mossey

Contact_Position: Project Surveyor

Contact_Address:

Address_Type: mailing and physical address

Address: 301 East Atlantic Boulevard

City: Pompano Beach

State_or_Province: Florida

Postal_Code: 33060-6643

Country: Broward

Contact_Voice_Telephone: 954 788-3400

Contact_Facsimile_Telephone: 954 788-3500

Contact_Electronic_Mail_Address:

mmossey@keith-associates.com

Hours_of_Service: 8:00-5:00 est.

ENCON Well .met

Di stri buti on_Li abi li ty: None
Metadata_Reference_Informati on:
Metadata_Date: 20080610
Metadata_Review_Date: 20050721
Metadata_Contact:
 Contact_Informati on:
 Contact_Person_Primary:
 Contact_Person: Michael M. Mossey, P. S. M.
 Contact_Organi zati on: Keith and Associates
 Contact_Positi on: Project Surveyor
 Contact_Address:
 Address_Type: mailing and physical address
 Address: 301 East Atl anti c Boul evard
 Ci ty: Pompano Beach
 State_or_Provi nce: FL
 Postal_Code: 33060-6643
 Country: USA
 Contact_Voi ce_Tel ephone: 954 788-3400
 Contact_Facsi mi le_Tel ephone: 954 788-3500
 Contact_El ectroni c_Mai l_Address:
mmossey@kei th-associ ates. com
 Hours_of_Servi ce: 8:00 am to 5:00 pm EST
 Metadata_Standard_Name: FGDC Content Standards for Di gi tal Geospati al
Metadata
 Metadata_Standard_Versi on: 19940608

Office

Project

9 August 2017

INPUT

State Plane, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet
Vertical - NAVD88, U.S. Feet

OUTPUT

Geographic, flhpgn - Florida HPGN
Vertical - NGVD29 (Custom), U.S. Feet

ENCON

1/1

Northing/Y: 942370

Easting/X: 936415

Elevation/Z: 0

Convergence: 0 23 22.06422

Scale Factor: 1.000031221

Combined Factor: 1.000035471

Latitude: 26 55 25.13646

Longitude: 80 08 23.77517

Elevation/Z: 1.499

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers

DBHYDRO | by station

STATION INFORMATION

| | |
|------------------------|----------------------------------|
| Station | ENCON_MW2 |
| Site | |
| Type | WELL |
| Latitude (ddmmss.sss) | 265525.217 |
| Longitude (ddmmss.sss) | 800822.961 |
| X Coord (ft) NAD83 | 936488.569 |
| Y Coord (ft) NAD83 | 942378.588 |
| County | Palm Beach |
| Basin | SOUTH LOXAHATCHEE ESTUARINE |
| Section | 10 |
| Township | 41 |
| Range | 42 |
| Show Map | Google Map |
| Well Info | Info |
| Description | ENCON- DUAL ZONE MONITOR WELL #2 |
| Notes | |
| Nearby Stations | Nearby Stations |
| Attachments | Show Attachments |

Query returned 1 station record(s).

DBHYDRO | by station

STATION INFORMATION

| | |
|------------------------|---------------------------------------|
| Station | ENCON_MW2L |
| Site | |
| Type | SUBSTATION |
| Latitude (ddmmss.sss) | 265525.217 |
| Longitude (ddmmss.sss) | 800822.961 |
| X Coord (ft) NAD83 | 936488.569 |
| Y Coord (ft) NAD83 | 942378.588 |
| County | Palm Beach |
| Basin | SOUTH LOXAHATCHEE ESTUARINE |
| Section | 10 |
| Township | 41 |
| Range | 42 |
| Show Map | Google Map |
| Well Info | Info |
| Description | Open-hole Interval (1840-1770 ft bls) |
| Notes | |
| Nearby Stations | Nearby Stations |
| Attachments | None Available |

Query returned 1 station record(s).

DBHYDRO | by station

STATION INFORMATION

| | |
|------------------------|--|
| Station | ENCON_MW2U |
| Site | |
| Type | SUBSTATION |
| Latitude (ddmmss.sss) | 265525.217 |
| Longitude (ddmmss.sss) | 800822.961 |
| X Coord (ft) NAD83 | 936488.569 |
| Y Coord (ft) NAD83 | 942378.588 |
| County | Palm Beach |
| Basin | SOUTH LOXAHATCHEE ESTUARINE |
| Section | 10 |
| Township | 41 |
| Range | 42 |
| Show Map | Google Map |
| Well Info | Info |
| Description | Annular zone Interval (1501 - 1532 ft bls) |
| Notes | |
| Nearby Stations | Nearby Stations |
| Attachments | None Available |

Query returned 1 station record(s).

DBHYDRO | by station

STATION INFORMATION

| | |
|------------------------|---------------------------------|
| Station | PB-1171 |
| Site | |
| Type | WELL |
| Latitude (ddmmss.sss) | 265524.581 |
| Longitude (ddmmss.sss) | 800822.502 |
| X Coord (ft) NAD83 | 936530.569 |
| Y Coord (ft) NAD83 | 942314.588 |
| County | Palm Beach |
| Basin | SOUTH LOXAHATCHEE ESTUARINE |
| Section | 10 |
| Township | 41 |
| Range | 42 |
| Show Map | Google Map |
| Well Info | Info |
| Description | LOXAHATCHEE ENCON, DMW-1 |
| Notes | |
| Nearby Stations | Nearby Stations |
| Attachments | None Available |

Query returned 1 station record(s).

| | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T |
|----|---|----------------|--|-----------|---------------------------|-----------------|--------------------------|---------------|-----------------------|----------------|--------------------|-------------|------------------------------|----------------------|---|---|---|---|
| 1 | REGISTRATION WORKSHEET - ENCON INTERMEDIATE WELL (MEASURE POINT) | | | | | | | | | | | | | | | | | |
| 2 | Site Name: | ENCON INTERMEI | | | | Today's Date: | | | | | | | | Type Recorder: | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | Activity: | | | | | Effective Date: | | | | | | | | Start Date of Data : | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | Customer: | | | | | Division: | | | | Agency: | | | | Proj Activity Code: | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | Project Manager: | | | | | Division: | | | | Agency: | | | | Contract #: | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | Project name: | | | | | | | | | Legal Mandate: | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | Short Common Name / Description: | | ENCON | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | Proj. Mgr. Notes: | | Survey information update. | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | Site Directions: | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | |
| 18 | Site Address (if any): | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | Transportation: | | | | Lock type or combination: | | | | | | | | # | | | | | |
| 21 | | | | | | | | | | | | | | | | | | |
| 22 | Recorder Location/Purpose: | | | | | | | | Structure Type: | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | |
| 24 | Array ID Configuration table attached | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | |
| 26 | SURVEY INFORMATION | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | |
| 28 | B.M. Elevation: 18.432' (NGVD 1929) | | | | Date: 6/10/2008 | | | | Stamp: ENCON 2008 | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | Agency: ORG | | | | Type: ALUMN | | | | Datum: NGVD29 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| 32 | Benchmark Location/ Description | | To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 1.0 mile to the junction of Central Boulevard on the right, turn right onto Central Boulevard, heading south, 0.53 miles to the junction of Jupiter Park Road on the right, turn right onto Jupiter Park Road, heading west, 0.32 miles to the junction of an asphalt road and entrance to a waste water treatment plant on the left, turn left into the plant and follow the asphalt road 0.33 miles to the southeast corner of the plant and a concrete slab housing the ENCON wells. The | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | |
| 34 | COMMUNICATIONS INFORMATION | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | |
| 36 | Communications System: | | | | Loggernet Server: | | | | Loggernet IP Address: | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | |
| 38 | Tower: | | Communication Type: | | | | R.F. Code/Modem Address: | | | | R.F. Access Point: | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | |
| 40 | Phone Number: | | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | |
| 42 | RTU Address: | | Gateways: | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | | |
| 44 | WELL INFORMATION | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | |
| 46 | Sensor | Customer Ref | Ref Elev | Elev Date | Top of Well | Bottom of Well | Ground/ Land Elev | Depth of Well | Sensor Location | | | | Ground Water Sensor Location | | | | | |
| 47 | | | | | | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | | | |
| 52 | ADDITIONAL GIS INFORMATION | | | | | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | | |
| 54 | Item/Parm | Lat | Long | X-Coord | Y-Coord | Sec | Township | Range | Quad | Basin | County | Description | | | | | | |
| 55 | | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | |

| | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T |
|----|--|---------------|--|-----------|---------------------------|-----------------|--------------------------|---------------|-----------------------|----------------|--------------------|---|------------------------------|----------------------|-------------|---|---|---|
| 1 | REGISTRATION WORKSHEET - ENCON SHALLOW WELL (MEASURE POINT) | | | | | | | | | | | | | | | | | |
| 2 | Site Name: | ENCON SHALLOW | | | | Today's Date: | | | | | | | | Type Recorder: | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | Activity: | | | | | Effective Date: | | | | | | | | Start Date of Data : | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | Customer: | | | | | Division: | | | | Agency: | | | | Proj Activity Code: | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | Project Manager: | | | | | Division: | | | | Agency: | | | | Contract #: | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | Project name: | | | | | | | | | Legal Mandate: | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | Short Common Name / Description: | | ENCON | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | Proj. Mgr. Notes: | | Survey information update. | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | Site Directions: | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | |
| 18 | Site Address (if any): | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | Transportation: | | | | Lock type or combination: | | | | | | | | # | | | | | |
| 21 | | | | | | | | | | | | | | | | | | |
| 22 | Recorder Location/Purpose: | | | | | | | | Structure Type: | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | |
| 24 | Array ID Configuration table attached | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | |
| 26 | SURVEY INFORMATION | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | |
| 28 | B.M. Elevation: 18.432' (NGVD 1929) | | | | Date: 6/10/2008 | | | | Stamp: ENCON 2008 | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | Agency: ORG | | | | Type: ALUMN | | | | Datum: NGVD29 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| 32 | Benchmark Location/ Description | | To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 1.0 mile to the junction of Central Boulevard on the right, turn right onto Central Boulevard, heading south, 0.53 miles to the junction of Jupiter Park Road on the right, turn right onto Jupiter Park Road, heading west, 0.32 miles to the junction of an asphalt road and entrance to a waste water treatment plant on the left, turn left into the plant and follow the asphalt road 0.33 miles to the southeast corner of the plant and a concrete slab housing the ENCON wells. The | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | |
| 34 | COMMUNICATIONS INFORMATION | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | |
| 36 | Communications System: | | | | Loggernet Server: | | | | Loggernet IP Address: | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | |
| 38 | Tower: | | Communication Type: | | | | R.F. Code/Modem Address: | | | | R.F. Access Point: | | | | | | | |
| 39 | | | | | | | | | | | | | | | | | | |
| 40 | Phone Number: | | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | |
| 42 | RTU Address: | | Gateways: | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | | |
| 44 | WELL INFORMATION | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | |
| 46 | Sensor | Customer Ref | Ref Elev | Elev Date | Top of Well | Bottom of Well | Ground/ Land Elev | Depth of Well | Sensor Location | | | | Ground Water Sensor Location | | | | | |
| 47 | | | | | | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | | | |
| 52 | ADDITIONAL GIS INFORMATION | | | | | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | | |
| 54 | Item/Parm | Lat | Long | X-Coord | Y-Coord | Sec | Township | Range | Quad | Basin | County | | | | Description | | | |
| 55 | | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | |

| C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T |
|---|---------------------------------------|----------------|--|-----------|---------------------------|-----------------|--------------------------|---------------|-----------------------|----------------|--------------------|---|------------------------------|----------------------|-------------|---|---|
| REGISTRATION WORKSHEET - ENCON DEEP WELL (MEASURE POINT) | | | | | | | | | | | | | | | | | |
| 2 | Site Name: | ENCON DEEP WEL | | | | Today's Date: | | | | | | | | Type Recorder: | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | Activity: | | | | | Effective Date: | | | | | | | | Start Date of Data : | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | Customer: | | | | | Division: | | | | Agency: | | | | Proj Activity Code: | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | Project Manager: | | | | | Division: | | | | Agency: | | | | Contract #: | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | Project name: | | | | | | | | | Legal Mandate: | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | Short Common Name / Description: | | ENCON | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | Proj. Mgr. Notes: | | Survey information update. | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |
| 16 | Site Directions: | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | |
| 18 | Site Address (if any): | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | Transportation: | | | | Lock type or combination: | | | | | | | | # | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | Recorder Location/Purpose: | | | | | | | | Structure Type: | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | Array ID Configuration table attached | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| 26 | SURVEY INFORMATION | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | B.M. Elevation: 18.432' (NGVD 1929) | | | | Date: 6/10/2008 | | | | Stamp: ENCON 2008 | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | |
| 30 | Agency: ORG | | | | Type: ALUMN | | | | Datum: NGVD29 | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |
| 32 | Benchmark Location/ Description | | To reach the station from the Interchange of Interstate Route 95 and SR 706, about 3 miles (4.8 km) west of Jupiter, go east on State Road 706 for about 1.0 mile to the junction of Central Boulevard on the right, turn right onto Central Boulevard, heading south, 0.53 miles to the junction of Jupiter Park Road on the right, turn right onto Jupiter Park Road, heading west, 0.32 miles to the junction of an asphalt road and entrance to a waste water treatment plant on the left, turn left into the plant and follow the asphalt road 0.33 miles to the southeast corner of the plant and a concrete slab housing the ENCON wells. The | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | |
| 34 | COMMUNICATIONS INFORMATION | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | |
| 36 | Communications System: | | | | Loggernet Server: | | | | Loggernet IP Address: | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | |
| 38 | Tower: | | Communication Type: | | | | R.F. Code/Modem Address: | | | | R.F. Access Point: | | | | | | |
| 39 | | | | | | | | | | | | | | | | | |
| 40 | Phone Number: | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | |
| 42 | RTU Address: | | Gateways: | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | | |
| 44 | WELL INFORMATION | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | |
| 46 | Sensor | Customer Ref | Ref Elev | Elev Date | Top of Well | Bottom of Well | Ground/ Land Elev | Depth of Well | Sensor Location | | | | Ground Water Sensor Location | | | | |
| 47 | | | | | | | | | | | | | | | | | |
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| 51 | | | | | | | | | | | | | | | | | |
| 52 | ADDITIONAL GIS INFORMATION | | | | | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | | |
| 54 | Item/Parm | Lat | Long | X-Coord | Y-Coord | Sec | Township | Range | Quad | Basin | County | | | | Description | | |
| 55 | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | |