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SURVEYOR'S REPORT

Specific Purpose Survey of the United States
Geological Survey Well **M 1234**
in
Martin County, Florida

Prepared for:

South Florida Water Management District

3301 Gun Club Road
West Palm Beach, Florida 33406

Prepared by:

Peter Andersen, PSM, Vice President
Florida Professional Surveyor and Mapper
License Number 5199
State of Florida

GCY, Inc. LB 4108
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PURPOSE

The Purpose of this survey is to set an Elevation Referenced Mark (Benchmark) using the guidelines for a National Geodetic Survey (NGS), Class "C" concrete monument and to establish a North American Vertical Datum of 1988 (NAVD 88) on said Benchmark and on an additional Reference Point with a Brass Plate, both at United States Geological Survey Well "M 1234".

LOCATION OF PROJECT

The United States Geological Survey Well "M 1234" is located in the Section 34, Township 40 South, Range 41 East, Martin County, Florida.



General Location (Not to Scale)



PROJECT VERTICAL DATUM

The project vertical datum is the North American Vertical Datum (NAVD) of 1988.

To convert the NAVD 88 elevation to the National Geodetic Vertical Datum (NGVD) of 1929 at **Station M-1234 add 1.447**. These values are based on Corpscon 6.0.1, a U.S. Army Corps of Engineers, Engineering Research and Development Center Windows based program to convert coordinates and elevations between datums using the updated vertcon05.txt and the vertcone.05 files supplied by the U.S Army Corps of Engineers. South Atlantic Division, Jacksonville, Florida.

PROJECT HORIZONTAL DATUM

The project horizontal datum is the State Plane Coordinate System, Florida East Zone, North American Datum 83, adjustment of 2011.

LEVELING METHODS

The leveling for this project was performed in accordance with standard survey practice using conventional third order methods, techniques and equipment.

The allowable error on this project meets or exceeds closures as required by SFWMD (.02 v miles) per executed SOW for 4600003703 WO07.

Leveling was run from Martin County Benchmark "Cul-P" to the site benchmarks and closing on Martin County Benchmark "RC-1A" using a Leica DNA 10 digital level S/N 331745

GPS METHODS

Latitude and longitude for the New Benchmark "M 1234" were established by observing a 4.5 hour Static Session on February 6, 2020 using a Trimble 5700 dual frequency receiver S/N 0220381397. The data from this session was sent to the NGS "OPUS" site for post processing on April 24, 2020 and a report was received from the "OPUS" site the same day.

Surveyors' Notes:

1. All measurements herein are in United States Survey feet and decimal thereof, unless otherwise specified.
2. Underground utilities were not located as part of this survey.
3. This survey report or copies thereof are not valid without the original signature and seal of a Florida licensed Surveyor and Mapper.
4. Additions or deletions to this survey report by other than the signing party (or parties) is prohibited without written consent of the signing party (or parties).
5. To convert from NAVD 88 to NGVD 29 add 1.447 feet. This value is based on 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.
6. Date of last field work: February 6, 2020, GCY job No. 18-1020-07.
7. SFWMD Data records (on file at the District's headquarters):
 - A. Electronic Data files:
Miscellaneous picture files
Digital level run
File names: XXXXXX.DAT
 - B. Conventional reporting
Field Book: 1862 pages 26-29

SURVEYOR'S CERTIFICATION

In my professional opinion this Specific Purpose Survey meets applicable portions of the Standards of Practice set forth by the Florida Board of Professional Surveyors and Mappers in Chapter 5J-17, Florida Administrative Code. This report is prepared for the sole and specific use of the South Florida Water Management District and is not assignable.

February 6, 2020

Last date of Survey

Peter Andersen, PSM, Vice President
Florida Professional Surveyor and Map
License Number 5199
State of Florida
GCY, Inc. LB No 4108



NOTE:

This is an electronically signed and sealed document pursuant to Chapter 5J-17.062, Florida Administrative Code. The printed survey map or report or copies thereof are not valid without the original signature and seal of a Florida licensed surveyor or mapper.





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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| | | | |
|---|---|-----------------------------|---|
| U.S.G.S. Station Name: M-1234 | U.S.G.S. Station Number: 265725080141801 | Agency: GCY, INC. | Date of Field Work: 2/06/2020 |
| Party Chief: LAPOLLA | Field Book: GCY 1862 | Page(s): 26 - 29 | Report Prepared by: ANDESEN |

SITE SPECIFIC DATA

| | | | |
|--|--|---|---------------------------------------|
| Site Benchmark: M 1234 | Benchmark Elevation(s) (NAVD88): 20.34 | Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) + 1.447 | |
| Well Reference Elevation (NAVD88): 22.16 | DTW: 8.08 (2/ 6/ 2020 at 1:55 PM) | Ground Elevation (NAVD88): 19.8 | Pad Elevation (NAVD88): N/A |

GEOGRAPHIC DATA

| | | |
|---|--|------------------------------------|
| Section 34 | Township 40 S | Range 41 E |
| Well Latitude: 26° 57' 24.5901" N | Well Longitude: 80° 14' 14.8929" W | Location Source: RTK/GPS |
| State Plane Coordinates: | Northing (Y) = 954228.46 | Easting (X) = 904560.39 |

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 Well Site

Well Site
Latitude: 26° 57' 24.590" N
Longitude: 80° 14' 14.893" W

Benchmark "M 1234"
Latitude: 26° 57' 24.3455" N
Longitude: 80° 14' 15.3279" W
El. = 20.34 feet NAVD88

Not to scale (GoogleEarth product)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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Well Site and Well Head



Well: "M 1234"
Reference Point: MAGIC MARKER BOX

Reference Point El. = 22.16 feet NAVD88

Distance to Water = 8.08 feet from reference point (2/ 6/ 2020 at 1:55 PM)



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New Aluminum Tag





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USGS RMs N/A



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Site Benchmark

Site Benchmark Overall Photo



Site BM: M 1234

Latitude: $26^{\circ} 57' 24.3455''$ N
Longitude: $80^{\circ} 14' 15.3279''$ W
NAVD88 EL = 20.34





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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MARTIN COUNTY "CUL-P" Benchmark Datasheet

4/26/2020

BM Details

Login



Martin County Benchmark Database **BM Details**

Benchmark Details Print

Benchmark Name CUL-P

Elevation 21.12'

Datum NAVD88

Bm Material 2 INCH ALUMINUM DISK IN
CONCRETE MONUMENT
STAMPED "CUL-P"

Set Found 08/05/14

Northing 954364'

Easting 904227'

Begin Bench LAINHART

Close Bench I95 89 A16

Firm NORTHSTAR GEOMATICS,
INC

Neighborhood Name RANCH COLONY

LOCATED IN A CONCRETE
MONUMENT 40 FEET +/-
SOUTH OF THE CENTERLINE
OF OLD INDIANTOWN ROAD
AT THE INTERSECTION WITH
A NORTH-SOUTH
MAINTENANCE ROAD
RUNNING NORTH-SOUTH
AND ADJACENT TO THE
WEST LINE OF SECT
27/T40/R41E, 30 FEET +/-
SOUTH OF THE NORTHEAST
CORNER OF AN OLD 4 FOOT
HIGH WOODEN FENCE, 135
FEET +/- NORTH OF THE
NORTH TOP OF BANK OF A
DITCH, 3 FEET +/- EAST OF
AN OLD 4 FOOT HIGH
WOODEN FENCE RUNNING
NORTH/SOUTH

Benchmark Location

Benchmark Map



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The user hereby recognizes that the information, data, apparatus, products, processes and materials are dynamic and are subject to change over time without notice. However, the COUNTY makes no commitment to update the information, data, apparatus, products,

https://benchmarks.martin.fl.us/app/f?p=500:10::NO:10:P10_BENCHMARK_NAME:CUL-P

1/2



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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MARTIN COUNTY "RC-1A" Benchmark Datasheet

4/26/2020

BM Details

Login



Martin County Benchmark Database **BM Details**

Benchmark Details Print

Benchmark Name RC-1A

Elevation 19.84'

Datum NAVD88

Bm Material 2 INCH ALUMINUM DISK
STAMPED "RC-1A"

Set Found 08/21/14

Northing 955862'

Easting 904191'

Begin Bench LAINHART

Close Bench I95 89 A16

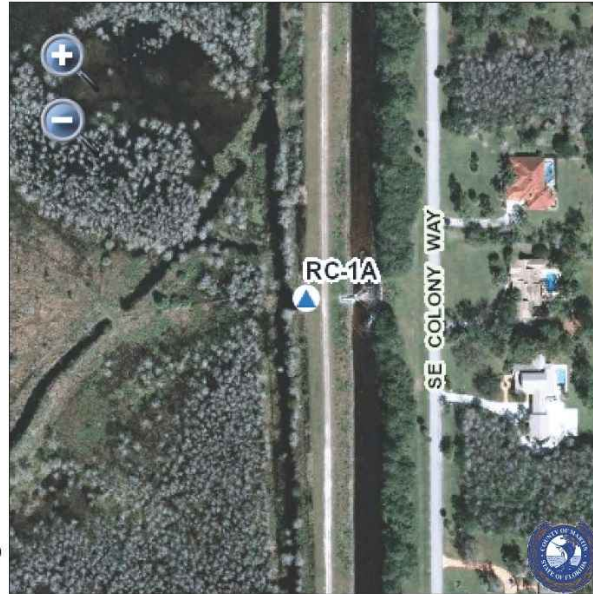
Firm NORTHSTAR GEOMATICS,
INC

Neighborhood Name RANCH COLONY

LOCATED ALONG A MAINTENANCE ROAD AT THE TOP OF A BERM RUNNING NORTH-SOUTH ALONG THE WEST SIDE OF A CANAL AND BEING ADJACENT TO THE WEST LINE OF SECT 27/T40S/R41E AND APPROXIMATELY 0.27 MILES NORTH OF THE

Benchmark Location INTERSECTION OF SAID MAINTENANCE ROAD WITH OLD INDIANTOWN ROAD. LOCATED IN THE NE CORNER OF A CONCRETE DRAINAGE STRUCTURE, 40 FEET WEST OF THE WEST TOB OF LARGE DRAINAGE DITCH RUNNING NORTH-SOUTH, 12 FEET EAST OF A BARB-WIRE FENCE RUNNING NORTH-SOUTH

Benchmark Map



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The user hereby recognizes that the information, data, apparatus, products, processes and materials are dynamic and are subject to

https://benchmarks.martin.fl.us/app/f?p=500:10::NO:10:P10_BENCHMARK_NAME:RC-1A

1/2



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Field Notes (1 of 4)

| OLD INDIANTOWN RD | | | |
|--------------------------|------------|------------------|--------|
| SFWMD - USDA / PA3 WELLS | | | |
| BENCH RUN FOR NEW Dm E | | | |
| WELL "M 1234" (NAV. 88) | | | |
| PEG TEST: | | | |
| COLL. ERR. OLD = | 2.1" | COLL. ERR. NEW = | 4.0" |
| DEFS = | 1.9" | RETICLE = | 4.858' |
| STA | TOTAL DIST | GR HE | ADJ |
| CUL-P | 0 | 21.12' | |
| Bm M 1234 | 338.45' | 20.342' | |
| RC-1A | 2195.75' | 19.85' | |

| 18-1020-07-02 | | 1862-26 |
|---|-------|----------------------------|
| 80° CLOUDY | | L. G. LOTHURS |
| LEICA DISTO | | M. LoPolla PC |
| FILE: WELL M 1234 | | B. Gorman Z |
| LENE: M 1234 | | |
| DESC | | |
| MC BM | CUL-P | Listed NAV 88 EL = 21.12' |
| NEW Bm "M 1234" Bm 1862-26A | | |
| SET 1 1/2" (I.D.) IRON PIPE + ALUM. CAP | | |
| "SFWMD M 1234 (46108 2020" I.P. IS 3' | | |
| LONG W/ CONC. COLLAR + GROUTED CAP. | | |
| LOCATED SW (4620') FROM E WELL M 1234. | | |
| 19.5' EAST OF OLD 15.8' LONG 4' TALL WOOD | | |
| FENCE. 1' SOUTH OF N. END OF 2' WOOD F | | |
| N. | | E. |
| ✓ TO MC BM RC-1A | | Listed = 19.84' |
| | | ERR = + 0.01 |
| | | DIST. IN MILES = 0.41 |
| | | RATS @ .02 PER MILE = .012 |
| ★ END RUN ★ | | |



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Field Notes (2 of 4)

| | | |
|--|--|--|
| <p>SFWMD - USGS / 7 AB WELLS 4.5 hr OPUS SESSION @ NEW BR "M 1234" (3M 1852-110A)</p> | <p>18-1020-07-02 8⁰⁰ M. CLOUDY</p> | <p>1862 27 2 M. 20 THURS M. LaPella PC B. Boardman TA</p> |
| <p>Base: TREMBLE 5700 HI: 5.27' START: 10:45 am END: 15:15 ANTENNA: ZEPHYR</p> | | |
| <p>5.27' 10:45</p> | | |



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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Field Notes (3 OF 4)

| SEWMA-USGS / PH3 WELLS | | | | | |
|---------------------------|--------|---------|---------|---------|-----|
| "M.P." + NG Bench Rod For | | | | | |
| WELL "M1234" (NAVS 88) | | | | | |
| STA | + | HI | - | EL | ADJ |
| BM M1234 | 4.229 | | | 20.342' | |
| | 3.99 | | | | |
| | 3.751 | | | | |
| | (3.99) | 24.332' | | | |
| S.S.1 | | | 4.51 | 19.822' | |
| | | | 2.312 | | |
| | | | 2.171 | | |
| | | | 2.03 | | |
| 1 | | | (2.171) | 22.161' | |
| | 1.96 | | | | |
| | 1.82 | | | | |
| | 1.68 | | | | |
| | (1.82) | 23.981' | 3.873 | | |
| | | | 3.638 | | |
| | | | 3.408 | | |
| BM M1234 | | | (3.639) | 20.341' | |

| | |
|--|---------------|
| 18-1020-07-02 | 1862 28 |
| 78° cloudy | L.D. 20 THURS |
| | M. LaPolla PC |
| | B. Gorman X |
| DESC | |
| NEW BM "M1234" BM 1862-26A | |
| NAVS 88 EL = 20.342' | |
| NG SHOT @ SOUTH SIDE OF WELL M1234 | |
| "MEASURING POINT" @ WELL M1234 | |
| USED OLD BLACK MAGIC MARKER BOX w/ "X" | |
| NORTH SIDE OF WELL OPENING, ON TOP OF | |
| PERWOOD. (BM 1862-28A) | |
| ✓ BACK TO BM "M1234" LEV = 20.342' | |
| FIELD = 20.341' | |
| ERR = -0.001 | |
| * END RUN * | |



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

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Field Notes (4 OF 4)

| | | | |
|--|------------------|---------------------------|---------------|
| SFWMD-USGS / PWS WELLS | | 18-1070-07-02 | 1862 29 |
| WELL DATA @ M 1234 (NAV 88) | | 78° Cloudy | Z.U. 20 THURS |
| WELL DIAMETER: 6" PVC | | PRELURES: | M. LaRocca PC |
| PICTURES 100-0960, 100-0961, 100-0962 | | | B. Gorman TA |
| D.T.W. = 8.08' | TIME: 13:55 | WELL: | |
| | DATE: 02/10/2020 | 100-0967 = BRASS TAG | |
| "MEASURING POINT" = 22.161' | | 100-0968 = Box | |
| | | 100-0969 " " | |
| | | 100-0970 " " | |
| | | 100-0971 " " | |
| TOP OF WATER = 14.081' | | 100-0972 Looking NORTH | |
| | | 100-0973 Looking WEST | |
| WELL HEAD CASING: | | | |
| ALONG BOX W/ HINGED LID | | | |
| (L) 2.02' x (W) 1.75' x (H) 1.30' | | | |
| | | Bm "M 1234" (Bm 1862-26A) | |
| GPS: FILE: SFWMD USGS PWS WELLS 1862 | | 100-0963 | |
| 10008 WELL "M 1234" (ALONG E. SIDE OF BOX) | | 100-0964 | |
| N: 954228.464 | | 100-0965 Looking WESTERN | |
| E: 904560.391 | | 100-0966 Looking SOUTH | |



South Florida Water Management District Benchmark Datasheet

| | | | |
|-------------------------------------|---|-------------------------------|----------------------------------|
| Designation: M 1234 | Project Name: USGS PHASE 3 WELLS | Type: V | State Plane Zone: FL East |
| Stamping: M 1234 LB4108 2020 | Field Book Name: GCY 1862 | Field Book Page: 26-29 | |
| Established By: GCV, INC. | Recovered By: _____ | Recovery Date: _____ | |
| Surveyor: ANDERSEN | Established Date: 02/06/20 | Status: _____ | |

GEOGRAPHIC POSITION INFORMATION

| | | |
|--|--|----------------------------------|
| Section: 34 | Township: 40 SOUTH | Range: 41 EAST |
| County: MARTIN/PALM BEACH | Quadrangle: ROOD | Quad Index: 1474 |
| NAD83 Adj. Year: 2011 | Vertical Datum: NAVD1988 | Horizontal Datum: NAD1983 |
| NAVD88 Elevation (feet): 20.342 | NGVD29 Elevation (feet): 21.789 | 2022 Elevation: _____ |
| NAVD88 Class: 3RD | NGVD29 Class: 3RD | Other Elevation: _____ |
| NAVD88 Order: _____ | NGVD29 Order: _____ | Other Elevation Type: _____ |

CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): (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.)

| | | |
|--|--|--|
| Vertical Datum Offset: + 1.447 | Actual NGS Elevation or ngvd29.txt file: _____ | OPUS Ortho Height: _____ |
| Northing (Y) (feet): 954203.517 | Easting (X) (feet): 904521.174 | Source of Latitude & Longitude: OPUS SOLUTION |
| Latitude: 26 | 57 | 24.34543 |
| DD° | MM' | SS" |
| Longitude: 80 | 14 | 15.32792 |
| DD° | MM' | SS" |
| Latitude (Decimal Degrees): 26.95676262 | Longitude (Decimal Degrees): -80.23759109 | |

RECOVERY DATA

How to Reach: FROM THE INTERSECTION OF I95 AND WEST INDIANTOWN ROAD , GO WESTERLY ON WEST INDIANTOWN ROAD A DISTANCE OF 5.1 MILES TO 25TH AVE. NORTH; THENCE NORTH ON 25TH AVE. NORTH 0.72 MILES TO OLD INDIANTOWN ROAD; THENCE NORTHWESTERLY ON OLD INDIANTOWN ROAD 0.48 MILES TO MARK ON THE LEFT. THE MARK IS 13 FEET +/- SWLY OF CENTERLINE OF OLD INDIANTOWN ROAD AND 22 FEET +/- SELY OF AN OLD FENCE. MARK IS RECESSED 0.5 FEET.

Description/Notes:

Notable Landmarks:
Other Source Benchmarks:

PICTURES

Aerial View of Overall Site



PICTURES

Site Sketch



From: opus
To: Pete Andersen
Subject: OPUS solution : 13970370.t01 OP1587752309336
Date: Friday, April 24, 2020 2:22:43 PM

FILE: 13970370.t01 OP1587752309336

NGS OPUS SOLUTION REPORT
=====

All computed coordinate accuracies are listed as peak-to-peak values.
For additional information: <https://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: petea@gcyinc.com DATE: April 24, 2020
RINEX FILE: 1397037p.20o TIME: 18:22:26 UTC

SOFTWARE: page5 1801.18 master90.pl 160321 START: 2020/02/06 15:42:00
EPHEMERIS: igs20914.eph [precise] STOP: 2020/02/06 20:15:00
NAV FILE: brdc0370.20n OBS USED: 9781 / 11101 : 88%
ANT NAME: TRM39105.00 NONE # FIXED AMB: 77 / 80 : 96%
ARP HEIGHT: 1.606 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2020.1004)

X: 964650.588(m) 0.007(m) 964649.759(m) 0.007(m)
Y: -5606660.183(m) 0.020(m) -5606658.600(m) 0.020(m)
Z: 2873936.658(m) 0.012(m) 2873936.496(m) 0.012(m)

LAT: 26 57 24.34547 0.011(m) 26 57 24.36584 0.011(m)
E LON: 279 45 44.67208 0.004(m) 279 45 44.65217 0.004(m)
W LON: 80 14 15.32792 0.004(m) 80 14 15.34783 0.004(m)
EL HGT: -20.804(m) 0.022(m) -22.393(m) 0.022(m)
ORTHO HGT: 6.112(m) 0.057(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 17) SPC (0901 FL E)
Northing (Y) [meters] 2981874.562 290841.815
Easting (X) [meters] 575672.777 275698.605
Convergence [degrees] 0.34563056 0.34563056
Point Scale 0.99967069 1.00001189
Combined Factor 0.99967396 1.00001516

US NATIONAL GRID DESIGNATOR: 17RNK7567281874(NAD 83)

BASE STATIONS USED

| PID | DESIGNATION | LATITUDE | LONGITUDE | DISTANCE(m) |
|--------|--------------------------|-------------|--------------|-------------|
| DG9798 | PBCH WEST PALM CORS ARP | N265046.638 | W0801309.300 | 12375.6 |
| DF7050 | MTNT MIAMI TNT CORS ARP | N255156.760 | W0805425.186 | 138094.4 |
| DH3834 | LAUD LAUDERDALE CORS ARP | N261146.341 | W0801023.014 | 84511.3 |

NEAREST NGS PUBLISHED CONTROL POINT

AD8433 OLINEND N265724.510 W0801417.991 73.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

*110001+00000000000000A1 32...1+0000000000050185 331.21+0000000000004866
390...+0000000000000005 391.21+0000000000000000
*110002+00000000000000B1 32...1+0000000000009925 332.21+0000000000004760
390...+0000000000000005 391.21+0000000000000000
*110003+00000000000000B2 32...1+00000000000049987 336.21+0000000000004751
390...+0000000000000005 391.21+0000000000000000
*110004+00000000000000A2 32...1+00000000000100162 335.21+0000000000004859
390...+0000000000000005 391.21+0000000000000000
*410005+00000000?.....1
*110006+000000000000CUL P 83..51+0000000000021120
*110007+000000000000CUL P 32...1+00000000000115832 331.21+0000000000004449
390...+0000000000000005 391.21+0000000000000000
*110008+0000000000000001 32...1+00000000000115674 332.21+0000000000004266
390...+0000000000000005 391.21+0000000000000000
*110009+0000000000000001 573..1+0000000000000158 574..1+00000000000231506
83..21+00000000000021303
*110010+0000000000000001 32...1+00000000000054213 331.21+0000000000004323
390...+0000000000000005 391.21+0000000000000000
*110011+0000000000BM M1234 32...1+00000000000052733 332.21+0000000000005284
390...+0000000000000005 391.21+0000000000000000 71....+00000BM 1862 26A
*110012+0000000000BM M1234 573..1+00000000000001638 574..1+00000000000338452
83..21+00000000000020342
*110013+0000000000BM M1234 32...1+00000000000052852 331.21+0000000000005102
390...+0000000000000005 391.21+0000000000000000
*110014+0000000000000002 32...1+00000000000054050 332.21+0000000000004259
390...+0000000000000005 391.21+0000000000000000
*110015+0000000000000002 573..1+00000000000000440 574..1+00000000000445354
83..21+00000000000021185
*110016+0000000000000002 32...1+000000000000256102 331.21+0000000000005948
390...+0000000000000005 391.21+0000000000000001
*110017+0000000000000003 32...1+000000000000256318 332.21+0000000000003858
390...+0000000000000005 391.21+0000000000000000
*110018+0000000000000003 573..1+00000000000000224 574..1+00000000000957774
83..21+00000000000023274
*110019+0000000000000003 32...1+000000000000239484 331.21+0000000000004835
390...+0000000000000005 391.21+0000000000000000
*110020+0000000000000004 32...1+000000000000239619 332.21+0000000000004611
390...+0000000000000005 391.21+0000000000000000
*110021+0000000000000004 573..1+00000000000000089 574..1+0000000001436877
83..21+00000000000023497
*110022+0000000000000004 32...1+000000000000246770 331.21+0000000000004480
390...+0000000000000005 391.21+0000000000000000
*110023+0000000000000005 32...1+000000000000246525 332.21+0000000000004767
390...+0000000000000005 391.21+0000000000000000
*110024+0000000000000005 573..1+00000000000000334 574..1+0000000001930172
83..21+00000000000023211
*110025+0000000000000005 32...1+00000000000118776 331.21+0000000000004818
390...+0000000000000005 391.21+0000000000000000
*110026+0000000000000006 32...1+00000000000119142 332.21+0000000000004404
390...+0000000000000005 391.21+0000000000000000
*110027+0000000000000006 573..1-00000000000000032 574..1+0000000002168091
83..21+00000000000023625
*110028+0000000000000006 32...1+0000000000013936 331.21+0000000000002443
390...+0000000000000005 391.21+0000000000000000
*110029+000000000000RC 1A 32...1+0000000000013724 332.21+0000000000006218
390...+0000000000000005 391.21+0000000000000000

*110030+00000000000RC 1A 573..1+000000000000180 574..1+0000000002195751
83..21+0000000000019850

Palm City

23 April 2020

INPUT

Geographic, fhpgn - Florida HPGN
Vertical - NAVD88, U.S. Feet

OUTPUT

State Plane, fhpgn - Florida HPGN
0901 - Florida East, U.S. Feet
Vertical - NGVD29 (Custom), U.S. Feet

M 1234

1/1

Latitude: 26 57 24.34543
Longitude: 080 14 15.32792
Elevation/Z: 0

Northing/Y: 954203.517
Easting/X: 904521.174
Elevation/Z: 1.447
Convergence: 0 20 44.26851
Scale Factor: 1.000011891
Combined Factor: 1.000016042

Remark: