



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Site Name: C18GW (PBF747)		Date of Field Work: 05-oct-15	
Party Chief: Ebanks	Field Book: SCADA11	Page 79	
Site Benchmark: FCE1674 (DI9207)	Benchmark Elevation (NAVD88) 15.013	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.499	
Reference Elevation (NAVD88): 19.353 (Sensor flange)	Existing Tag Elevation (Datum): Not Applicable	Calibration Port Elevation(s) (NAVD88): Not requested at this time	
Ground Elevation (NAVD88):		Pad Elevation (NAVD88):	
Latitude: 26° 56' 06.44"		Longitude: 80° 08' 24.42"	

Notes:
NAVD88 – North American Vertical Datum of 1988
NGVD29- National Geodetic Vertical Datum of 1929
Corpscon 6.0.1 – A MS-Windows-based program to convert coordinates and elevations between datum's

PICTURES

Overall



To Structure 46 (S-46)

Looking Northerly



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NGS Source Benchmark



FCE 1674 1958
(D19208)



Looking West from G18GW (PBF747) Well site

C18GW (PBF 747) Well Site



Looking Southerly



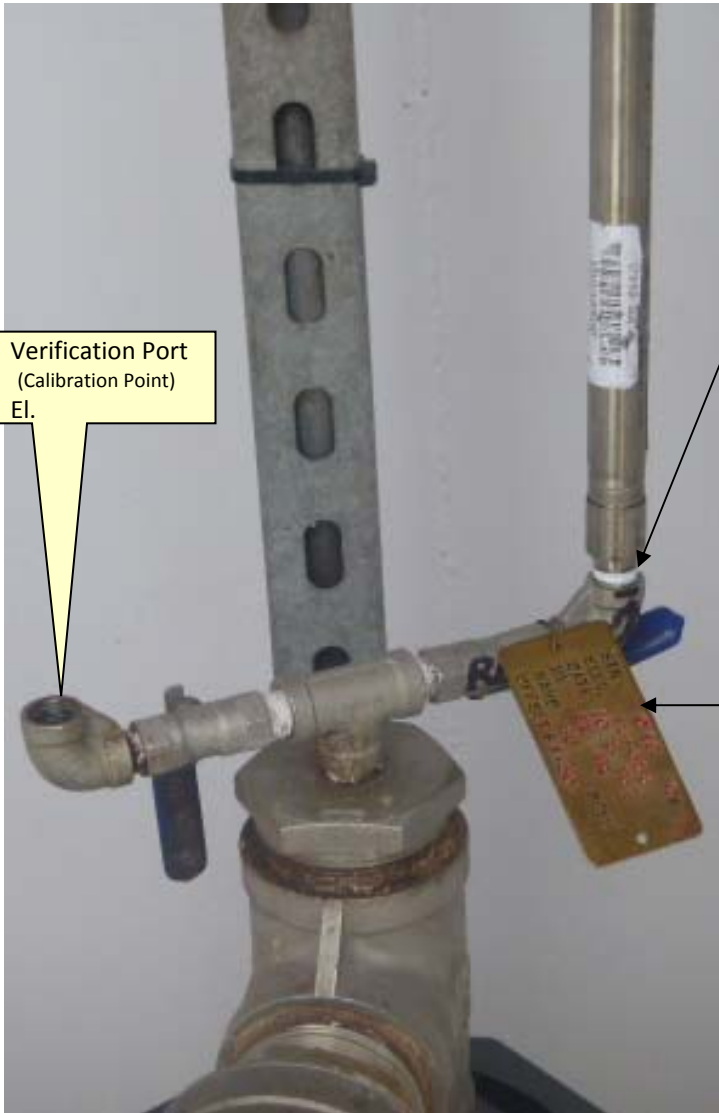
Site Benchmark
Stamped: NGVD El. 18.07
NAVD El. 16.54
District El. 16.493 NAVD88



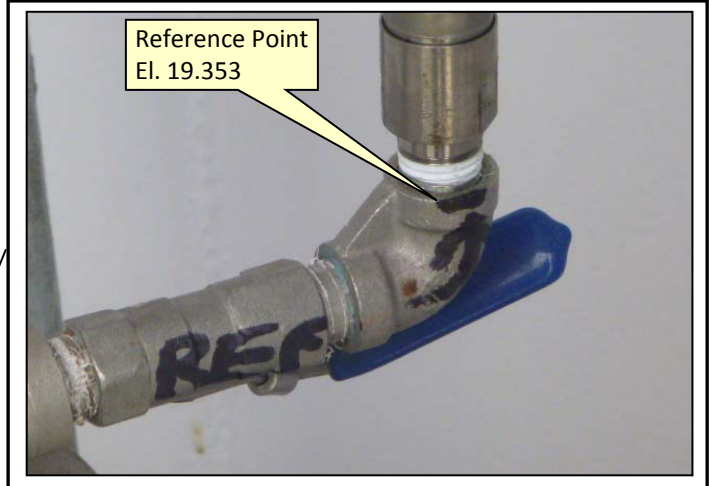
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Reference Point, Verification Port (Calibration Point) and Brass Tag



Verification Port
(Calibration Point)
El.



Reference Point
El. 19.353



Brass Tag Close up



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Field Notes
FB SCADA 11 page 79

79 NCADA FB # 11 10-5-15

hrc 3 TWP 41 Rge 42 Ebanks Rodriguez

Establish Measuring pt. Elevation for C-18 GW Well @ h-46

HTA	+	ht.	-	ated	Remarks
BM FCE 1674	4.21	19.223		15.013	END.
END Brass Disk NGVD EL 18.07 NAVD EL 16.54	4.02	20.513	2.73	16.493	Brass Disk on wall pad.
C-18 GW			1.16	19.353	on Sensor Flange
h-46 T/N Well.			1.92	18.593 (18.596)	

The NGS Data Sheet

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



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PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = APR 1 2007
DI9207 *****
DI9207 TIDAL BM      - This is a Tidal Bench Mark.
DI9207 DESIGNATION - 1674
DI9207 PID          - DI9207
DI9207 STATE/COUNTY- FL/PALM BEACH
DI9207 COUNTRY      - US
DI9207 USGS QUAD    - ROOD (1983)
DI9207
DI9207                      *CURRENT SURVEY CONTROL
DI9207
DI9207* NAD 83(1986) POSITION- 26 56 05.      (N) 080 08 27.      (W)  SCALED
DI9207* NAVD 88 ORTHO HEIGHT -      4.576 (meters)      15.01 (feet) ADJUSTED
DI9207
DI9207 GEOID HEIGHT      -      -27.148 (meters)      GEOID12B
DI9207 DYNAMIC HEIGHT   -      4.569 (meters)      14.99 (feet) COMP
DI9207 MODELED GRAVITY   -      979,098.0 (mgal)      NAVD 88
DI9207
DI9207 VERT ORDER       - FIRST      CLASS II
DI9207
DI9207.The horizontal coordinates were scaled from a topographic map and have
DI9207.an estimated accuracy of +/- 6 seconds.
DI9207.
DI9207.The orthometric height was determined by differential leveling and
DI9207.adjusted by the NATIONAL GEODETIC SURVEY
DI9207.in August 2007.
DI9207
DI9207.Significant digits in the geoid height do not necessarily reflect accuracy.
DI9207.GEOID12B height accuracy estimate available here.
DI9207
DI9207.This Tidal Bench Mark is designated as VM 18744
DI9207.by the CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES.
DI9207
DI9207.Photographs are available for this station.
DI9207
DI9207.The dynamic height is computed by dividing the NAVD 88
DI9207.geopotential number by the normal gravity value computed on the
DI9207.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DI9207.degrees latitude (g = 980.6199 gals.).
DI9207
DI9207.The modeled gravity was interpolated from observed gravity values.
DI9207
DI9207;
DI9207;          North      East      Units  Estimated Accuracy
DI9207;SPC FL E      -      288,460.      285,320.      MT  (+/- 180 meters Scaled)
DI9207
DI9207                      SUPERSEDED SURVEY CONTROL
DI9207
DI9207.No superseded survey control is available for this station.
DI9207
DI9207_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK852794(NAD 83)
DI9207
DI9207_MARKER: DD = SURVEY DISK
DI9207_SETTING: 36 = SET IN A MASSIVE STRUCTURE
DI9207_SP_SET: LOCK WINGWALL

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DI9207_STAMPING: F.C.E. 1674 1958

DI9207_MARK LOGO: USE

DI9207_MAGNETIC: N = NO MAGNETIC MATERIAL

DI9207_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

DI9207_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

DI9207+SATELLITE: SATELLITE OBSERVATIONS - March 16, 2006

DI9207

DI9207	HISTORY	- Date	Condition	Report By
DI9207	HISTORY	- 1958	MONUMENTED	USE
DI9207	HISTORY	- 20040524	GOOD	FLDEP
DI9207	HISTORY	- 20060316	GOOD	FLDEP

DI9207

DI9207 STATION DESCRIPTION

DI9207

DI9207'DESCRIBED BY FL DEPT OF ENV PRO 2004 (JLM)

DI9207'THE MARK IS ON THE WEST SIDE OF JUPITER, IN SECTION 3, TOWNSHIP 41

DI9207'SOUTH, RANGE 42 EAST.

DI9207'

DI9207'TO REACH THE MARK FROM THE INTERSECTION OF STATE HIGHWAY 811

DI9207'(ALTERNATE A1A, OLD DIXIE HIGHWAY) AND STATE HIGHWAY 706 (INDIANTOWN

DI9207'ROAD) IN JUPITER, GO WEST ON STATE HIGHWAY 706 (INDIANTOWN ROAD) FOR

DI9207'3.0 MI TO THE EAST END OF THE BRIDGE SPANNING CANAL C-18 AND THE MARK

DI9207'ON THE RIGHT, SET IN THE TOP OF THE EAST WALL OF STRUCTURE 46.

DI9207'

DI9207'LOCATED ABOUT 180.0 FT NORTHEAST OF THE CENTERLINE OF THE WESTBOUND

DI9207'LANES OF STATE HIGHWAY 706, 72.0 FT NORTH OF THE CENTER OF A DOUBLE

DI9207'METAL GATE, 35.5 FT NORTH-NORTHEAST OF THE NORTHEAST CORNER OF A 13.0

DI9207'FT X 16.0 FT BUILDING (NUMBER S-46), 16.1 FT NORTH OF THE NORTH FACE

DI9207'OF THE CONTROL HOUSE AND 1.8 FT SOUTH OF THE TOP OF THE SLOPE OF THE

DI9207'EAST WALL.

DI9207

DI9207 STATION RECOVERY (2006)

DI9207

DI9207'RECOVERY NOTE BY FL DEPT OF ENV PRO 2006 (JLM)

DI9207'THE MARK IS ON THE WEST SIDE OF JUPITER, IN SECTION 3, TOWNSHIP 41

DI9207'SOUTH, RANGE 42 EAST.

DI9207'

DI9207'TO REACH THE MARK FROM THE INTERSECTION OF STATE HIGHWAY 811

DI9207'(ALTERNATE A1A, OLD DIXIE HIGHWAY) AND STATE HIGHWAY 706 (INDIANTOWN

DI9207'ROAD) IN JUPITER, GO WEST ON STATE HIGHWAY 706 (INDIANTOWN ROAD) FOR

DI9207'3.0 MI (4.8 KM) TO THE EAST END OF THE BRIDGE SPANNING CANAL C-18 AND

DI9207'THE MARK ON THE RIGHT, A USE BENCH MARK DISK SET FLUSH IN THE TOP OF

DI9207'THE EAST WING WALL NORTH OF THE LOCKS AT STRUCTURE 46.

DI9207'

DI9207'LOCATED ABOUT 180.0 FT (54.9 M) NORTHEAST OF THE APPROXIMATE

DI9207'CENTERLINE OF THE WESTBOUND LANES OF STATE HIGHWAY 706 (INDIANTOWN

DI9207'ROAD), 72.0 FT (21.9 M) NORTHWEST OF THE CENTER OF A DOUBLE METAL

DI9207'GATE, 35.5 FT (10.8 M) NORTH-NORTHEAST OF THE NORTHEAST CORNER OF A

DI9207'13.0 FT (4.0 M) X 16.0 FT (4.9 M) BUILDING (NUMBER S-46), 16.1 FT (4.9

DI9207'M) NORTH OF THE NORTH FACE OF THE CONTROL HOUSE AND 1.8 FT (0.5 M)

DI9207'SOUTH OF THE TOP OF THE DOWNWARD SLOPE OF THE WING WALL.



REGISTRATION WORKSHEET - C-18GW Addendum

Site Name: **C-18GW** Today's Date: **10/7/2015** Type Recorder: **CR1000**
 Activity: **Addendum** Effective Date: Start Date of Data :
 Customer: **B. Kennedy** Bus. Area: **SCADA** Agency: **SFWMD** Internal Order:
 Project Manager: **E. Ebanks** Bus. Area: **InfrStr. Mgt/Survey** Agency: **SFWMD** Fund:
 Contract #:
 Project Name: Legal Mandate:

Short Common Name / Description:

Proj. Mgr. Notes: Datum Upgrade from NGVD 29 to NAVD 88 (NAVD 88 Offset = 1.50')

Site Directions: Located at the Eastside of S-46 @ C-18... Jupiter.

Site Address (if any):

Transportation: **Std Vehicle** Lock type or combination: **Abloy S** #

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site) GW Well** Structure Type: **Existing Structure**

Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **15.013ft** Date: **6/6/1958** Stamp: **FCE 1674 1958**
 Agency: **USACE** Type: **BRASS** Datum: **NAVD 88**

Benchmark Location/Description: Mark located on NE Wing Wall of S-46 Structure...

COMMUNICATIONS INFORMATION

Communications System: Loggernet Server: Loggernet IP Address:
 Tower: Communication Type: R.F. Code/Modem Address: R.F. Access Point:
 Phone Number:
 RTU Address: Gateways:

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW		19.353ft	10/5/2015				15.013ft	NAVD 88	Mark Set Top of ELBOW for GW Sensor Mount... Denoted by Brass Tag.

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted								
GW																

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW	26 56 06.5	80 08 24.4			3	41	42			Palm Beach	