



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Site Name: BF6		Date of Field Work: 15-feb-16
Party Chief: Hudson	Field Book: SCADA 12	Page(s) 12-14
Site Benchmark: BF6B	Benchmark Elevation (NAVD88) 12.025	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.568
Reference Elevation (NAVD88): 16.455		Existing Tag Elevation (Datum): None
Calibration Elevation (NAVD88): 16.445		
Ground Elevation (NAVD88):		Pad Elevation (NAVD88):
Latitude: 26° 18' 52.1"		Longitude: 80° 07' 25.7"
Notes: (1.558 conversion using benchmark)		

PICTURES

Overall Site



Looking Westerly

Abbreviations

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

Benchmarks



Looking West



Aluminum cap stamped "BF6B"
 El. 12.025 NAVD88
 El. 13.583 NGVD29



Brass cap "BF6C"
 stamped "NAVD88 EL-12.13"
 El. 12.055 NAVD88
 El. 13.613 NGVD29



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

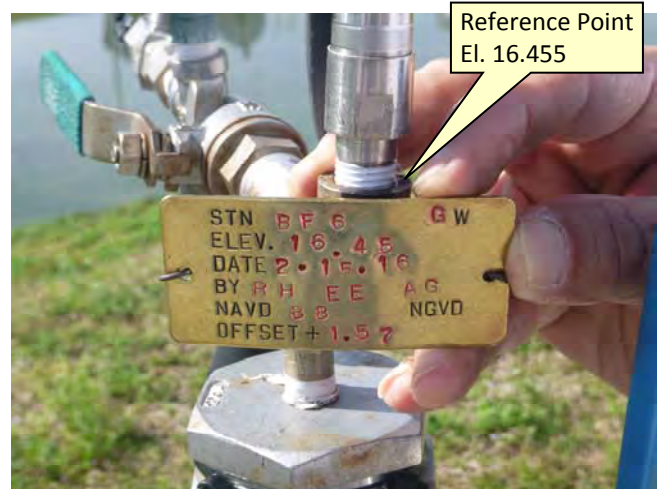


Looking Northerly

Brass Tag Close Up



Brass Tag and Reference Mark



SEL. 2 TWP. 43 RGE 42

LEVELS TO ESTAB ELEV @ GROUND WELL BFL6

FILE: BFL6

LINE: 1

R.	ELEV	ADJUST	Bm
1		-	13.67 [88]

7	9.145	9.15	
---	-------	------	--

RETURN LEVELS

13	13.664	-	13.67
----	--------	---	-------

END RETURN LEVELS

LEVELS COND FD TBM TO BFL6 WELL SITE.

LINE: 2

R.	ELEV	ADJUST	Bm
7		9.15	9.145 [88]

13	15.146	-	
----	--------	---	--

LEVELS COND TO 13

EQUIP. DIA. DIA. LEVEL
BAR CODE ROD

TAL HUDSON
φ EBANILS
φ GRAMMARLO

NOTE: LEVELS WEST ALONG HILLSBOLD, LR SID TO TBM

COMMENTS

"NBS Bm E235" RECOVERED IN GOOD COND PER TBM.

"TBM" PK NAIL SET IN CONC. SIDEWALK IN THE SE CORNER OF THE INTERSECTION OF HILLSBOLD & FAIRWAY PK.

Bm ABOVE; ERROR 0.006'

NOTE: LEVELS COND TO WELL BFL6

TBM ABOVE

TOP OF FIRE HYD FLANGE BOLT W/ HYD ID # TAG IN SE COR OF HILLSBOLD & GROSSBY BLDG

CONT'D FB 12

Pt.	ELEV	ADJUST	Bm
27	12.042	12.06 ✓	12.053 (ADS)

RETURN LEVELS

41	9.123	9.15	9.145
----	-------	------	-------

~~~~~ END RETURN LEVELS ~~~~~

ESTAB SITE BM & WELL REF ELEV

| STA         | +    | HE    | -    | ELEV             | Bm               |
|-------------|------|-------|------|------------------|------------------|
| Bm          |      |       |      |                  | <del>12.05</del> |
|             | 4.83 | 16.88 |      |                  | 12.06            |
| REF. SEN    |      |       | 0.43 | 16.45            |                  |
| REF. RELIEF |      |       | 0.44 | 16.44            |                  |
| Bm          |      |       | 4.36 | <del>12.02</del> | 12.03 ✓          |
|             |      |       |      |                  | 12.025           |
|             | 4.80 | 16.82 |      |                  |                  |
| Bm          |      |       | 4.78 | 12.04            | 12.05            |

END WELL LOOP

CONT'D FB #

HTK HUDSON  
d EBANKS  
f GAMMARLO

COMMENTS

BRASS CAP FB. IN THE WEST SIDE OF A NEW CONC WELL PAD @ WELL BFLB. CAP IS STAMPED "NAVD 88 EL - 12.13" (NO ID) 2/15/16

IBM PENAIL FB. 12 ERROR - 0.022'

~~~~~

COMMENTS

BRASS CAP ABOVE

12.055

TOP OF 90° ELBOW WITH SENSOR

TOP OF 90° ELBOW - RELIEF VALVE

N 26° 18' 52.1" (BM)
W 80° 07' 25.7"

BM BFLB 2016 SET; A SEWING ALUMINUM DISK IN TOP OF RASSED CURB; 4.5' EAST OF BFLB WELL & 21.9' SOUTH OF THE NW COR OF LARGE CONC PAD.

BRASS CAP ABOVE ERROR - 0.01'

LEVEL LOOP TO TRANSFER AN OLD BB ELEV
TO OLD SPIND BUN BF 6.A ESTAB. BY EBANKS

STA	+	HI	-	ELEV	Bun
	4.92	16.97			12.05 12.06

IR			4.55	12.42	
----	--	--	------	-------	--

	4.54	16.96			
--	------	-------	--	--	--

Bun			5.39	11.58 (20.29) 11.57 (13.24) 11.57	13.15 ✓
-----	--	--	------	--	---------

RETURN LEVELS

	5.30	16.87			
--	------	-------	--	--	--

IR			4.46	12.41	
----	--	--	------	-------	--

	3.92	16.33			
--	------	-------	--	--	--

Bun			4.29	12.04	12.05 12.06
-----	--	--	------	-------	---------------------------

END BRL

AL HUDSON
T. GIAMMARLO
OF EBANKS

BRASS CAP FO Pg. 13

Bun BF 6.A 1997" RECORDED IN GOOD COND
PER EBANKS FIELD NOTES

BRASS CAP ABOVE; ERROR - 0.01'



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

DESIGNATION: BF6B		PROJECT: BF6 Well	
ESTABLISHED BY: SOUTH FLORIDA WATER MANAGEMENT DISTRICT		SURVEYOR: Hudson	
RECOVERED BY:		DATE: 15-feb-16	
GEOGRAPHIC POSITION			
SECTION 2	TOWNSHIP 48 SOUTH	RANGE 42 EAST	
COUNTY Broward	NAME OF QUADRANGLE Boca Raton GEOGRAPHIC INDEX OF QUAD 1901		
HORIZONTAL DATUM: 1927 <u>(1983)</u> Other ___ (circle one) ZONE <u>(E)</u> or W			
VERTICAL DATUM: MSL 1929 <u>(1988)</u> Other ___ (circle one)			
VERTICAL ACCURACY: 1 2 <u>(3)</u>			
STATE PLANE COORDINATE	X	Y	NAVD 88 EL. 12.025 NGVD 29 EL. 13.583
CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): +1.568			
LATITUDE: 26° 18' 52.1"		LONGITUDE: 80° 07' 25.7"	
RECOVERY DATA			
Stamping: BF6B			
<p>To Reach: From the intersection of Hillsboro Boulevard (State Road 810) and Interstate 95 (I-95) in Broward County Florida, go West on Hillsboro Boulevard 0.6 of a mile to the intersection of Goolsby Boulevard to the South and NW 17th Avenue to the North; turn left (South) onto Goolsby Boulevard and go 0.15 of a mile to an entrance to the City of Deerfield's Water Treatment Plant on the left; turn left (East) and go 0.1 of a mile to a road to the South; turn right (South) and go 400 feet more or less to BF-6 well site and station location.</p> <p>The Station is a South Florida Water Management District's (SFWMD's) aluminum disk set in top of a raised curb; 4.9 feet East of BF-6 Well and 21.9 feet South of the Northwest corner of a large concrete pad.</p>			
NOTABLE LAND MARKS:			
NGS SOURCE BENCHMARK: E235 (AD2629)			
FIELD BOOK SCADA 12 PAGES 12 thru 14			
PICTURES			
Looking West			



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Field Book

SLAB #12 2/15/16
CONT'D FR #12

PT.	ELEV	ADJUST	Bm	
27	12.042	12.06 ✓	12.053 (ADJ)	
RETURN LEVELS				
41	9.123	9.15	9.145	
END RETURN LEVELS				
ESTAB SIDE BM @ WELL REF ELEV				
STA	+ HC	-	ELEV	Bm
Bm				12.05
	4.83	16.88		12.06
REF. ELEV		0.43	16.45	
		0.44	16.44	
		4.86	12.02	12.03 ✓
RETURN LEVELS				12.025
	4.80	16.82		
		4.78	12.04	12.05

SLAB #12 2/15/16

(13)
MKT HUBBARD
of EBANKS
of GANNARCO

COMMENTS

BRASS CAP FR. IN THE WEST SIDE OF A NEW CONC
WELL PAD @ WELL BFL. CAP IS STAMPED "HARD BB
ELEV 12.13" (NO ADJ) 2.143(42)

TEMP. POINT B. 12 ERROR = 0.022'

COMMENTS

BRASS CAP ABOVE

TOP OF 70° EUBOD WITH SENSOR

TOP OF 90° EUBOD - REVER JALIE

BM BFLB 2016 SET A SEWED DOWN DN IN TR OF
RAISED CURB, TO EAST OF BFL WELL A 21.9'
SOUTH OF THE NW COR OF LARGE CONC PAD.

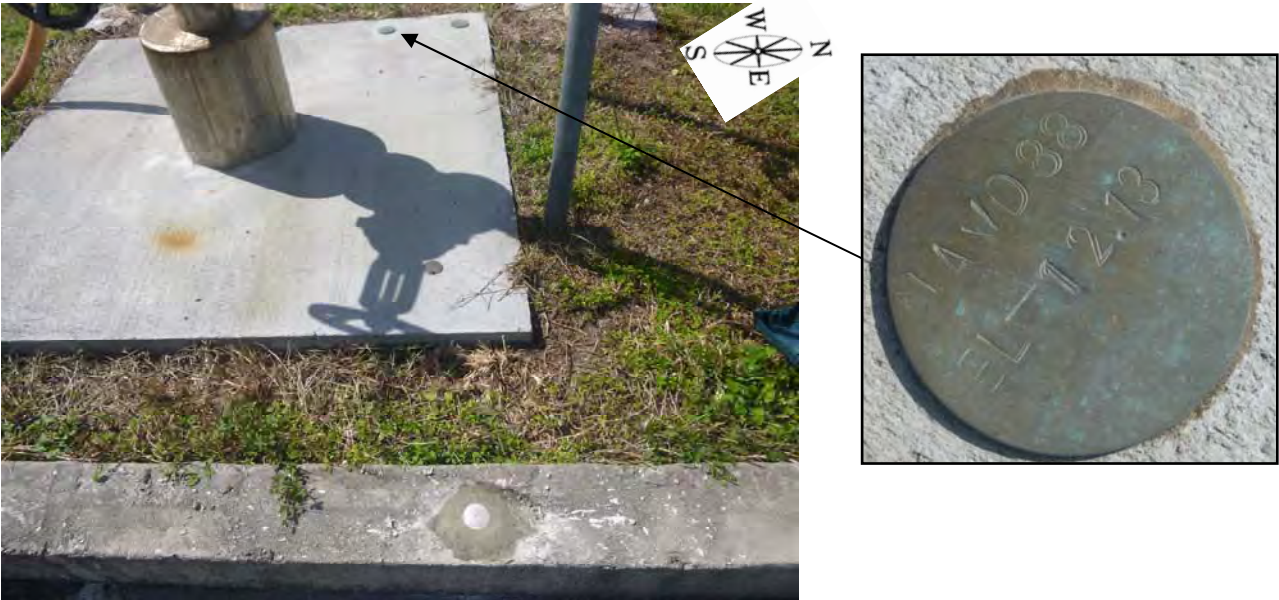
BRASS CAP ABOVE ERROR = 0.01'

N 26 18 50" (BM)
W 80 07 25"



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

DESIGNATION: BF6C		PROJECT: BF6 Well	
ESTABLISHED BY: SOUTH FLORIDA WATER MANAGEMENT DISTRICT		SURVEYOR: Hudson	
RECOVERED BY:		DATE: 15-feb-16	
GEOGRAPHIC POSITION			
SECTION 2	TOWNSHIP 48 SOUTH	RANGE 42 EAST	
COUNTY Broward	NAME OF QUADRANGLE Boca Raton GEOGRAPHIC INDEX OF QUAD 1901		
HORIZONTAL DATUM: 1927 <u>1983</u> Other ___ (circle one) ZONE <u>(E)</u> or W			
VERTICAL DATUM: MSL 1929 <u>1988</u> Other ___ (circle one)			
VERTICAL ACCURACY: 1 2 <u>(3)</u>			
STATE PLANE COORDINATE	X	Y	NAVD 88 EL. 12.055 NGVD 29 EL. 13.613
CORPSCON 6.0.1 CONVERSION FACTOR (NAVD88 TO NGVD29): +1.568			
LATITUDE: 26° 18' 52.1"		LONGITUDE: 80° 07' 25.7"	
RECOVERY DATA			
Stamping: NAVD88 EL-12.13			
<p>To Reach: From the intersection of Hillsboro Boulevard (State Road 810) and Interstate 95 (I-95) in Broward County Florida, go West on Hillsboro Boulevard 0.6 of a mile to the intersection of Goolsby Boulevard to the South and NW 17th Avenue to the North; turn left (South) onto Goolsby Boulevard and go 0.15 of a mile to an entrance to the City of Deerfield's Water Treatment Plant on the left; turn left (East) and go 0.1 of a mile to a road to the South; turn right (South) and go 400 feet more or less to BF-6 well site and station location.</p> <p>The Station is a brass disk found in the West side of a new concrete well pad for BF6 well.</p>			
NOTABLE LAND MARKS:			
NGS SOURCE BENCHMARK: E235 (AD2629)			
FIELD BOOK SCADA 12 PAGES 12 thru 14			
PICTURES			
			
Looking West			



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

Field Book

SLAB #12 2/15/16
CONT'D FR #12

PT.	ELEV	ADJUST	B.M.		
27	12.042	12.06 ✓	12.053 (ADJ)		
RETURN LEVELS					
41	9.123	9.15	9.145		
END RETURN LEVELS					
ESTAB SIDE BM @ WELL REF ELEV					
STA	+	HC	-	ELEV	B.M.
Bm					12.05
	4.83	16.88			12.06
REF. ELEV			0.43	16.45	
			0.44	16.44	
			4.86	12.02	12.03 ✓
RETURN LEVELS				12.025	
	4.80	16.82			
			4.78	12.04	12.05
END WELL LOOP					
CONT'D FR #12					

SLAB #12 2/15/16

(13)
MKT HUBBARD
of EBANKS
of GANNARCO

COMMENTS

BRASS CAP FR. IN THE WEST SIDE OF A NEW CONC. WELL PAD @ WELL BFL. CAP IS STAMPED "HARD BB ELEV 12.13" (NO ADJ) 2.143(42)

TEMP. POINT B.M. 12 ERROR - 0.022'

COMMENTS

BRASS CAP ABOVE

TOP OF 70° EUBOD WITH SENSOR

TOP OF 90° EUBOD - REVER JALIE

B.M. BFLB 2016 SET. A SEWING MACHINERY IN TR OF RANDED CURB, TO EAST OF BFL WELL A 21.9' SOUTH OF THE NW CORN OF LARGE CONC. PAD.

BRASS CAP ABOVE ERROR - 0.01'

N 26 18 50 W
W 30 07 25 E
(BM)

The NGS Data Sheet

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

```

PROGRAM = datasheet95, VERSION = 8.8
1      National Geodetic Survey,  Retrieval Date = FEBRUARY 17, 2016
AD2629 *****
AD2629 DESIGNATION - E 235
AD2629 PID - AD2629
AD2629 STATE/COUNTY- FL/BROWARD
AD2629 COUNTRY - US
AD2629 USGS QUAD - BOCA RATON (1983)
AD2629
AD2629 *CURRENT SURVEY CONTROL
AD2629
AD2629* NAD 83(2011) POSITION- 26 19 05.55152(N) 080 06 05.04537(W) ADJUSTED
AD2629* NAD 83(2011) ELLIP HT- -21.730 (meters) (06/27/12) ADJUSTED
AD2629* NAD 83(2011) EPOCH - 2010.00
AD2629* NAVD 88 ORTHO HEIGHT - 4.168 (meters) 13.67 (feet) ADJUSTED
AD2629
AD2629 NAD 83(2011) X - 983,427.367 (meters) COMP
AD2629 NAD 83(2011) Y - -5,635,598.646 (meters) COMP
AD2629 NAD 83(2011) Z - 2,810,695.757 (meters) COMP
AD2629 LAPLACE CORR - -3.78 (seconds) DEFLEC12B
AD2629 GEOID HEIGHT - -25.897 (meters) GEOID12B
AD2629 DYNAMIC HEIGHT - 4.161 (meters) 13.65 (feet) COMP
AD2629 MODELED GRAVITY - 979,078.7 (mgal) NAVD 88
AD2629 OBS GRAVITY - 979,077.4 (mgal) GRAV_OBS
AD2629
AD2629 VERT ORDER - FIRST CLASS II
AD2629
AD2629 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AD2629 Standards:
AD2629 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
AD2629 Horiz Ellip SD_N SD_E SD_h (unitless)
AD2629 -----
AD2629 NETWORK 0.82 1.55 0.34 0.33 0.79 -0.08755831
AD2629 -----
AD2629 Click here for local accuracies and other accuracy information.
AD2629
AD2629
AD2629.The horizontal coordinates were established by GPS observations
AD2629.and adjusted by the National Geodetic Survey in June 2012.
AD2629
AD2629.NAD 83(2011) refers to NAD 83 coordinates where the reference
AD2629.frame has been affixed to the stable North American tectonic plate. See
AD2629.NA2011 for more information.
AD2629
AD2629.The horizontal coordinates are valid at the epoch date displayed above
AD2629.which is a decimal equivalence of Year/Month/Day.
AD2629
AD2629.The orthometric height was determined by differential leveling and
AD2629.adjusted by the NATIONAL GEODETIC SURVEY
AD2629.in May 2002.
AD2629

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AD2629.WARNING-Repeat measurements at this control monument indicate possible AD2629.vertical movement.

AD2629

AD2629.Significant digits in the geoid height do not necessarily reflect accuracy.

AD2629.GEOID12B height accuracy estimate available [here](#).

AD2629

AD2629.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AD2629

AD2629.The Laplace correction was computed from DEFLEC12B derived deflections.

AD2629

AD2629.The ellipsoidal height was determined by GPS observations

AD2629.and is referenced to NAD 83.

AD2629

AD2629.The dynamic height is computed by dividing the NAVD 88

AD2629.geopotential number by the normal gravity value computed on the

AD2629.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AD2629.degrees latitude (g = 980.6199 gals.).

AD2629

AD2629.The modeled gravity was interpolated from observed gravity values.

AD2629

AD2629.The observed gravity was obtained from relative gravimeter ties

AD2629.to the IGSN71 gravity network.

AD2629

AD2629. The following values were computed from the NAD 83(2011) position.

AD2629

AD2629;		North	East	Units	Scale	Factor	Converg.
AD2629;SPC FL E	-	220,179.202	289,718.839	MT	1.00004052		+0 23 54.3
AD2629;SPC FL E	-	722,371.27	950,519.22	sFT	1.00004052		+0 23 54.3
AD2629;UTM 17	-	2,911,236.059	589,688.227	MT	0.99969931		+0 23 54.3
AD2629!	-	Elev Factor	x	Scale Factor	=	Combined Factor	
AD2629!SPC FL E	-	1.00000341	x	1.00004052	=	1.00004393	
AD2629!UTM 17	-	1.00000341	x	0.99969931	=	0.99970272	

AD2629

SUPERSEDED SURVEY CONTROL

AD2629

AD2629	NAD 83(2007)-	26 19 05.55172(N)	080 06 05.04606(W)	AD(2002.00)	0
AD2629	ELLIP H (02/10/07)	-21.717 (m)		GP(2002.00)	
AD2629	NAD 83(1999)-	26 19 05.55176(N)	080 06 05.04605(W)	AD()	1
AD2629	ELLIP H (12/12/02)	-21.710 (m)		GP()	3 1
AD2629	NAVD 88 (12/12/02)	4.17 (m)	13.7	(f) LEVELING	3
AD2629	NAVD 88 (06/15/91)	4.162 (m)	13.65	(f) SUPERSEDED	1 2
AD2629	NGVD 29 (??/??/92)	4.643 (m)	15.23	(f) SUPERSEDED	1 2
AD2629	NGVD 29 (09/01/92)	4.643 (m)	15.23	(f) ADJUSTED	1 2

AD2629

AD2629.Superseded values are not recommended for survey control.

AD2629

AD2629.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AD2629.[See file dsdata.txt](#) to determine how the superseded data were derived.

AD2629

AD2629_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK8968811236(NAD 83)

AD2629

AD2629_MARKER: DB = BENCH MARK DISK

AD2629_SETTING: 46 = COPPER-CLAD STEEL ROD W/O SLEEVE (10 FT.+)

AD2629_STAMPING: E 235 1965

AD2629_MARK LOGO: CGS

AD2629_PROJECTION: FLUSH

AD2629_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AD2629_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AD2629_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AD2629+SATELLITE: SATELLITE OBSERVATIONS - January 14, 2008

AD2629_ROD/PIPE-DEPTH: 13.1 meters

AD2629

AD2629	HISTORY	- Date	Condition	Report By
AD2629	HISTORY	- 1965	MONUMENTED	CGS
AD2629	HISTORY	- 1973	GOOD	NGS
AD2629	HISTORY	- 1981	GOOD	FLDNR
AD2629	HISTORY	- 1982	GOOD	USPSQD
AD2629	HISTORY	- 1985	GOOD	USPSQD
AD2629	HISTORY	- 1987	GOOD	USPSQD
AD2629	HISTORY	- 1989	GOOD	USPSQD
AD2629	HISTORY	- 1989	GOOD	USPSQD
AD2629	HISTORY	- 1990	GOOD	USPSQD
AD2629	HISTORY	- 19910102	GOOD	NGS
AD2629	HISTORY	- 19910615	GOOD	USPSQD
AD2629	HISTORY	- 20011020	GOOD	USPSQD
AD2629	HISTORY	- 20020521	GOOD	MAPTEC
AD2629	HISTORY	- 20080114	GOOD	MAPTEC
AD2629	HISTORY	- 20110124	POOR	FLDT
AD2629	HISTORY	- 20120925	GOOD	AMEC

AD2629

AD2629

STATION DESCRIPTION

AD2629

AD2629'DESCRIBED BY COAST AND GEODETIC SURVEY 1965

AD2629'1.9 MI S FROM BOCA RATON.

AD2629'ABOUT 1.9 MILES SOUTH ALONG THE FLORIDA EAST COAST RAILWAY FROM
AD2629'THE STATION AT BOCA RATON, AT DEERFIELD BEACH, 107.5 FEET SOUTH
AD2629'OF THE SOUTH CURB OF EAST HILLSBORO BLVD, IN SECTION 6, R 42 E,
AD2629'T 48 S, 29.5 FEET WEST OF THE WEST RAIL OF THE SOUTHBOUND TRACK,
AD2629'1.7 FEET WEST OF MILEPOST 327, 1.9 FEET NORTH OF A VERTICAL RAIL
AD2629'IN GROUND WHICH PROJECTS 4 FEET ABOVE THE GROUND, 2.0 FEET SOUTH
AD2629'OF ANOTHER VERTICAL RAIL WHICH PROJECTS 4 FEET ABOVE GROUND, 43
AD2629'FEET EAST OF THE CENTER LINE OF THE OLD DIXIE HIGHWAY, 1.5 FEET
AD2629'EAST OF A METAL WITNESS POST, ABOUT LEVEL WITH THE TOP OF RAIL,
AD2629'AND IS A DISK SET ON THE TOP OF A COPPER COATED STEEL ROD WHICH
AD2629'PROJECTS 1 INCH ABOVE THE LEVEL OF THE GROUND AND PROTECTED BY
AD2629'A 4 INCH IRON PIPE WHICH PROJECTS ONE INCH. THE ROD WAS DRIVEN
AD2629'TO REFUSAL AT A DEPTH OF 43 FEET.

AD2629

AD2629

STATION RECOVERY (1973)

AD2629

AD2629'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1973

AD2629'RECOVERED IN GOOD CONDITION.

AD2629

AD2629

STATION RECOVERY (1981)

AD2629

AD2629'RECOVERY NOTE BY FL DEPT OF NAT RES 1981

AD2629'RECOVERED IN GOOD CONDITION.

AD2629

AD2629

STATION RECOVERY (1982)

AD2629

AD2629'RECOVERY NOTE BY US POWER SQUADRON 1982

AD2629'CHANGE DESC:LOCATION SHOULD READ 'SECTION 6, R 43' NOT R 42.

AD2629

AD2629

STATION RECOVERY (1985)

AD2629

AD2629'RECOVERY NOTE BY US POWER SQUADRON 1985

AD2629'RECOVERED IN GOOD CONDITION.

AD2629

AD2629

STATION RECOVERY (1987)

AD2629
AD2629'RECOVERY NOTE BY US POWER SQUADRON 1987 (JHH)
AD2629'RECOVERED IN GOOD CONDITION.
AD2629
AD2629 STATION RECOVERY (1989)
AD2629
AD2629'RECOVERY NOTE BY US POWER SQUADRON 1989 (JHF)
AD2629'RECOVERED IN GOOD CONDITION.
AD2629
AD2629 STATION RECOVERY (1989)
AD2629
AD2629'RECOVERY NOTE BY US POWER SQUADRON 1989 (JHH)
AD2629'RECOVERED IN GOOD CONDITION.
AD2629
AD2629 STATION RECOVERY (1990)
AD2629
AD2629'RECOVERY NOTE BY US POWER SQUADRON 1990 (JHH)
AD2629'RECOVERED IN GOOD CONDITION.
AD2629
AD2629 STATION RECOVERY (1991)
AD2629
AD2629'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1991
AD2629'IN DEERFIELD BEACH, AT THE INTERSECTION OF DIXIE HIGHWAY AND
AD2629'HILLSBORO BOULEVARD, 34.8 M (114.2 FT) SOUTH OF THE CENTER OF THE
AD2629'EASTBOUND LANES OF THE BOULEVARD, 30.7 M (100.7 FT) SOUTH OF A
AD2629'UTILITY LIGHT POLE, 14.3 M (46.9 FT) EAST OF AND LEVEL WITH THE
AD2629'HIGHWAY CENTER, 12.8 M (42.0 FT) WEST OF THE NEAR RAIL OF THE FLORIDA
AD2629'EAST COAST RAILROAD, 9.0 M (29.5 FT) WEST OF RAILROAD MILE POST 327,
AD2629'NEAR THE CENTER OF 2 VERTICAL RAILS, AND 0.3 M (1.0 FT) WEST OF A
AD2629'WITNESS POST. NOTE--THE DISK IS ENCASED IN A 4-INCH IRON PIPE THAT
AD2629'IS FLUSH WITH THE GROUND SURFACE.
AD2629
AD2629 STATION RECOVERY (1991)
AD2629
AD2629'RECOVERY NOTE BY US POWER SQUADRON 1991 (RCW)
AD2629'RECOVERED IN GOOD CONDITION.
AD2629
AD2629 STATION RECOVERY (2001)
AD2629
AD2629'RECOVERY NOTE BY US POWER SQUADRON 2001 (RWL)
AD2629'RECOVERED IN GOOD CONDITION.
AD2629
AD2629 STATION RECOVERY (2002)
AD2629
AD2629'RECOVERY NOTE BY MAPTECH INCORPORATED 2002 (CDP)
AD2629'RECOVERED AS DESCRIBED.
AD2629'
AD2629
AD2629 STATION RECOVERY (2008)
AD2629
AD2629'RECOVERY NOTE BY MAPTECH INCORPORATED 2008 (CN)
AD2629'RECOVERED AS DESCRIBED
AD2629
AD2629 STATION RECOVERY (2011)
AD2629
AD2629'RECOVERY NOTE BY FLORIDA DEPARTMENT OF TRANSPORTATION 2011 (PED)
AD2629'MARK RECOVERED IN POOR CONDITION.
AD2629
AD2629 STATION RECOVERY (2012)
AD2629

AD2629'RECOVERY NOTE BY AMEC EARTH & ENVIRONMENTAL 2012 (RLE)
AD2629'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:02



Project Information		Coordinate System	
Name:		Name:	Default
Size:		Datum:	WGS 1984
Modified:	2/15/2012 8:48:57 AM (UTC:-7)	Zone:	Default
Time zone:	Mountain Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			


Level Report

Imported file: [BF6.DAT](#)
Instrument: DiNi
Standard error per kilometer of double leveling: 0.00230 ft
Standard error per turn/station setup: 0.00000 ft
Creation option: Delta elevations
Description usage: Feature codes



Run - 1 Raw Observations

Raw Misclosure: -0.00400 ft
 Σ BS Distances: 2997.530 ft
 Σ FS Distances: 3013.460 ft
Run Length: 6010.990 ft
Reduction: Adjusted Values



Create	Point ID	BS	IS	FS	Δ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/> 4.58100 ft			0.00000 ft	13.670 ft	0.00000 ft	13.670 ft	Benchmark	259.480 ft	E235 3
<input type="checkbox"/>	2			<input checked="" type="checkbox"/> 2.71800 ft	1.86300 ft	15.533 ft	0.00037 ft	15.533 ft	Computed	271.820 ft	3
	2	<input checked="" type="checkbox"/> 6.08500 ft								261.940 ft	3
<input type="checkbox"/>	3			<input checked="" type="checkbox"/> 5.30800 ft	0.77700 ft	16.310 ft	0.00072 ft	16.311 ft	Computed	246.880 ft	3
	3	<input checked="" type="checkbox"/> 4.34100 ft								248.720 ft	3
<input type="checkbox"/>	4			<input checked="" type="checkbox"/> 6.48700 ft	-2.14600 ft	14.164 ft	0.00106 ft	14.165 ft	Computed	256.230 ft	3
	4	<input checked="" type="checkbox"/> 1.82600 ft								250.620 ft	3
<input type="checkbox"/>	5			<input checked="" type="checkbox"/> 5.58800 ft	-3.76200 ft	10.402 ft	0.00138 ft	10.403 ft	Computed	246.650 ft	3
	5	<input checked="" type="checkbox"/> 4.47700 ft								243.010 ft	3
<input type="checkbox"/>	6					10.615 ft	0.00171 ft	10.617 ft	Computed		3

		<input checked="" type="checkbox"/>	4.26400 ft	0.21300 ft						249.570 ft	
	6	<input checked="" type="checkbox"/>	4.06300 ft							245.960 ft	3
<input checked="" type="checkbox"/>	7		<input checked="" type="checkbox"/>	5.53100 ft	-1.46800 ft	9.147 ft	0.00200 ft	9.149 ft	Computed	223.490 ft	TBM 3
	7	<input checked="" type="checkbox"/>	5.62200 ft							223.590 ft	3
<input type="checkbox"/>	8		<input checked="" type="checkbox"/>	4.15400 ft	1.46800 ft	10.615 ft	0.00229 ft	10.617 ft	Computed	245.240 ft	3
	8	<input checked="" type="checkbox"/>	4.43600 ft							251.510 ft	3
<input type="checkbox"/>	9		<input checked="" type="checkbox"/>	4.68700 ft	-0.25100 ft	10.364 ft	0.00261 ft	10.367 ft	Computed	242.680 ft	3
	9	<input checked="" type="checkbox"/>	5.44900 ft							245.410 ft	3
<input type="checkbox"/>	10		<input checked="" type="checkbox"/>	1.67000 ft	3.77900 ft	14.143 ft	0.00294 ft	14.146 ft	Computed	250.690 ft	3
	10	<input checked="" type="checkbox"/>	6.51500 ft							255.510 ft	3
<input type="checkbox"/>	11		<input checked="" type="checkbox"/>	4.48200 ft	2.03300 ft	16.176 ft	0.00328 ft	16.179 ft	Computed	248.060 ft	3
	11	<input checked="" type="checkbox"/>	5.61200 ft							250.260 ft	3
<input type="checkbox"/>	12		<input checked="" type="checkbox"/>	6.50400 ft	-0.89200 ft	15.284 ft	0.00364 ft	15.288 ft	Computed	271.850 ft	3
	12	<input checked="" type="checkbox"/>	2.83300 ft							261.520 ft	3
<input checked="" type="checkbox"/>	13		<input checked="" type="checkbox"/>	4.45100 ft	-1.61800 ft	13.666 ft	0.00400 ft	13.670 ft 	Benchmark	260.300 ft	E235 3

Run - 1 (N5) Reduced Observations

Observation	Status	Raw Δ Elevation	Correction	Final Δ Elevation	Setups	Length	Σ BS Readings	Σ FS Readings	Std. Error
 1-7 (E7)	Enabled	-4.52300 ft	0.00200 ft	-4.52100 ft	6	3004.370 ft	25.37300 ft	29.89600 ft	0.03202 ft
 7-13 (E8)	Enabled	4.51900 ft	0.00200 ft	4.52100 ft	6	3006.620 ft	30.46700 ft	25.94800 ft	0.03204 ft

Run - 1 (N5) Reduced Coordinates

Point ID	Status	Elevation
 1	Enabled	13.67000 ft
 13	Enabled	13.67000 ft

Run - 2 Raw Observations

Raw Misclosure: -0.01900 ft

Σ BS Distances: 6785.090 ft Σ FS Distances: 6777.310 ft

Run Length: 13562.400 ft

Reduction: Adjusted Values

Create	Point ID	BS	IS	FS	Δ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
<input checked="" type="checkbox"/>	7	<input checked="" type="checkbox"/> 5.53600 ft			0.00000 ft	9.147 ft	0.00200 ft	9.149 ft	Computed	251.150 ft	PK 3
<input type="checkbox"/>	14			<input checked="" type="checkbox"/> 3.00300 ft	2.53300 ft	11.680 ft	0.00262 ft	11.683 ft	Computed	215.090 ft	3
	14	<input checked="" type="checkbox"/> 5.14600 ft								244.060 ft	3
<input type="checkbox"/>	15			<input checked="" type="checkbox"/> 4.20700 ft	0.93900 ft	12.619 ft	0.00326 ft	12.622 ft	Computed	232.050 ft	3
	15	<input checked="" type="checkbox"/> 5.63800 ft								254.660 ft	3
<input type="checkbox"/>	16			<input checked="" type="checkbox"/> 4.39900 ft	1.23900 ft	13.858 ft	0.00400 ft	13.862 ft	Computed	252.620 ft	3
	16	<input checked="" type="checkbox"/> 2.80600 ft								254.430 ft	3
<input type="checkbox"/>	17			<input checked="" type="checkbox"/> 4.96100 ft	-2.15500 ft	11.703 ft	0.00472 ft	11.708 ft	Computed	251.150 ft	3
	17	<input checked="" type="checkbox"/> 6.03300 ft								257.220 ft	3
<input type="checkbox"/>	18			<input checked="" type="checkbox"/> 5.12600 ft	0.90700 ft	12.610 ft	0.00548 ft	12.615 ft	Computed	259.380 ft	3
	18	<input checked="" type="checkbox"/> 6.07200 ft								251.710 ft	3
<input type="checkbox"/>	19			<input checked="" type="checkbox"/> 5.31000 ft	0.76200 ft	13.372 ft	0.00620 ft	13.378 ft	Computed	251.150 ft	3
	19	<input checked="" type="checkbox"/> 3.53300 ft								259.740 ft	3
<input type="checkbox"/>	20			<input checked="" type="checkbox"/> 4.09500 ft	-0.56200 ft	12.810 ft	0.00697 ft	12.817 ft	Computed	259.780 ft	3
	20	<input checked="" type="checkbox"/> 7.27700 ft								247.770 ft	3
<input type="checkbox"/>	21			<input checked="" type="checkbox"/> 7.45700 ft	-0.18000 ft	12.630 ft	0.00763 ft	12.638 ft	Computed	232.150 ft	3
	21	<input checked="" type="checkbox"/> 3.49900 ft								262.140 ft	3
<input type="checkbox"/>	22			<input checked="" type="checkbox"/> 4.20700 ft	-0.70800 ft	11.922 ft	0.00840 ft	11.930 ft	Computed	257.840 ft	3
	22	<input checked="" type="checkbox"/> 4.92000 ft								254.360 ft	3
<input type="checkbox"/>	23			<input checked="" type="checkbox"/> 1.69400 ft	3.22600 ft	15.148 ft	0.00910 ft	15.157 ft	Computed	244.720 ft	3
	23	<input checked="" type="checkbox"/> 1.54400 ft								251.870 ft	3
<input type="checkbox"/>	24					11.318 ft	0.00985 ft	11.328 ft	Computed		3

			✓ 5.37400 ft	-3.83000 ft						259.120 ft	
	24	✓ 4.93800 ft								241.210 ft	3
<input type="checkbox"/>	25		✓ 4.36700 ft	0.57100 ft	11.889 ft	0.01056 ft	11.900 ft	Computed		258.200 ft	3
	25	✓ 4.28000 ft								248.460 ft	3
<input type="checkbox"/>	26		✓ 4.59100 ft	-0.31100 ft	11.578 ft	0.01126 ft	11.589 ft	Computed		247.600 ft	3
	26	✓ 3.66700 ft								126.540 ft	3
<input type="checkbox"/>	27		✓ 3.20100 ft	0.46600 ft	12.044 ft	0.01147 ft	12.055 ft	Computed		143.470 ft	88BM 3
	27	✓ 3.27900 ft								143.410 ft	88BM 3
<input type="checkbox"/>	28		✓ 3.74600 ft	-0.46700 ft	11.577 ft	0.01167 ft	11.589 ft	Computed		126.940 ft	3
	28	✓ 4.53200 ft								246.880 ft	3
<input type="checkbox"/>	29		✓ 5.18200 ft	-0.65000 ft	10.927 ft	0.01237 ft	10.939 ft	Computed		248.420 ft	3
	29	✓ 5.45500 ft								263.840 ft	3
<input type="checkbox"/>	30		✓ 5.02000 ft	0.43500 ft	11.362 ft	0.01312 ft	11.375 ft	Computed		248.060 ft	3
	30	✓ 5.10600 ft								268.010 ft	3
<input type="checkbox"/>	31		✓ 1.31900 ft	3.78700 ft	15.149 ft	0.01388 ft	15.163 ft	Computed		251.150 ft	3
	31	✓ 1.69700 ft								244.720 ft	3
<input type="checkbox"/>	32		✓ 4.96500 ft	-3.26800 ft	11.881 ft	0.01460 ft	11.896 ft	Computed		255.180 ft	3
	32	✓ 4.27900 ft								259.940 ft	3
<input type="checkbox"/>	33		✓ 3.55500 ft	0.72400 ft	12.605 ft	0.01537 ft	12.620 ft	Computed		261.290 ft	3
	33	✓ 7.55100 ft								232.350 ft	3
<input type="checkbox"/>	34		✓ 7.36600 ft	0.18500 ft	12.790 ft	0.01603 ft	12.806 ft	Computed		247.830 ft	3
	34	✓ 4.25700 ft								259.740 ft	3
<input type="checkbox"/>	35		✓ 3.69900 ft	0.55800 ft	13.348 ft	0.01679 ft	13.365 ft	Computed		257.780 ft	3
	35	✓ 5.52800 ft								252.000 ft	3
<input type="checkbox"/>	36			-0.77800 ft	12.570 ft	0.01751 ft	12.588 ft	Computed		251.940 ft	3

			✔ 6.30600 ft								
	36	✔ 5.34600 ft								259.810 ft	3
<input type="checkbox"/>	37		✔ 6.22000 ft	-0.87400 ft	11.696 ft	0.01827 ft	11.714 ft	Computed		256.500 ft	3
	37	✔ 5.11500 ft								250.100 ft	3
<input type="checkbox"/>	38		✔ 2.99400 ft	2.12100 ft	13.817 ft	0.01900 ft	13.836 ft	Computed		256.460 ft	3
	38	✔ 4.55100 ft								250.290 ft	3
<input type="checkbox"/>	39		✔ 5.76800 ft	-1.21700 ft	12.600 ft	0.01973 ft	12.620 ft	Computed		256.630 ft	3
	39	✔ 4.64200 ft								233.100 ft	3
<input type="checkbox"/>	40		✔ 6.32300 ft	-1.68100 ft	10.919 ft	0.02037 ft	10.939 ft	Computed		241.370 ft	3
	40	✔ 4.14800 ft								215.580 ft	3
	7		✔ 5.93900 ft	-1.79100 ft	9.128 ft	0.02100 ft	9.149 ft	Computed		253.440 ft	3

Run - 2 (N6) Reduced Observations

Observation	Status	Raw Δ Elevation	Correction	Final Δ Elevation	Setups	Length	Σ BS Readings	Σ FS Readings	Std. Error
7-7 (E9)	Enabled	-0.01900 ft	0.01900 ft	0.00000 ft	28	13562.400 ft	130.37500 ft	130.39400 ft	0.06740 ft

Date: 2/17/2016 8:20:05 AM	Project:	Trimble Business Center
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Project Information		Coordinate System	
Name:	S:\WORK IN PROGRESS\SURVEY_STAFF_FOLDERS\EBANKS\BF6 \NAVD88\BF6_LevelProject.vce	Name:	Default
Size:	124 KB	Datum:	WGS 1984
Modified:	2/17/2016 8:22:23 AM (UTC:-5)	Zone:	Default
Time zone:	Eastern Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			

Level Report

Imported file: [BF6.DAT](#)
Instrument: DiNi
Standard error per kilometer of double leveling: 0.00230 ft
Standard error per turn/station setup: 0.00000 ft
Creation option: Delta elevations
Description usage: Feature codes

Run - 1 Raw Observations

Raw Misclosure: -0.00400 ft
Σ BS Distances: 2997.530 ft
Σ FS Distances: 3013.460 ft
Run Length: 6010.990 ft
Reduction: Adjusted Values

Create	Point ID	BS	IS	FS	Δ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/> 4.58100 ft			0.00000 ft	15.230 ft	0.00000 ft	15.230 ft	Benchmark	259.480 ft	E235 3
<input type="checkbox"/>	2			<input checked="" type="checkbox"/> 2.71800 ft	1.86300 ft	17.093 ft	0.00037 ft	17.093 ft	Computed	271.820 ft	3
	2	<input checked="" type="checkbox"/> 6.08500 ft								261.940 ft	3
<input type="checkbox"/>	3			<input checked="" type="checkbox"/> 5.30800 ft	0.77700 ft	17.870 ft	0.00072 ft	17.871 ft	Computed	246.880 ft	3
	3	<input checked="" type="checkbox"/> 4.34100 ft								248.720 ft	3
<input type="checkbox"/>	4			<input checked="" type="checkbox"/> 6.48700 ft	-2.14600 ft	15.724 ft	0.00106 ft	15.725 ft	Computed	256.230 ft	3
	4	<input checked="" type="checkbox"/> 1.82600 ft								250.620 ft	3
<input type="checkbox"/>	5			<input checked="" type="checkbox"/> 5.58800 ft	-3.76200 ft	11.962 ft	0.00138 ft	11.963 ft	Computed	246.650 ft	3

	5	<input checked="" type="checkbox"/> 4.47700 ft								243.010 ft	3
<input type="checkbox"/>	6		<input checked="" type="checkbox"/> 4.26400 ft	0.21300 ft	12.175 ft	0.00171 ft	12.177 ft	Computed		249.570 ft	3
	6	<input checked="" type="checkbox"/> 4.06300 ft								245.960 ft	3
<input checked="" type="checkbox"/>	7		<input checked="" type="checkbox"/> 5.53100 ft	-1.46800 ft	10.707 ft	0.00200 ft	10.709 ft	Computed		223.490 ft	TBM 3
	7	<input checked="" type="checkbox"/> 5.62200 ft								223.590 ft	3
<input type="checkbox"/>	8		<input checked="" type="checkbox"/> 4.15400 ft	1.46800 ft	12.175 ft	0.00229 ft	12.177 ft	Computed		245.240 ft	3
	8	<input checked="" type="checkbox"/> 4.43600 ft								251.510 ft	3
<input type="checkbox"/>	9		<input checked="" type="checkbox"/> 4.68700 ft	-0.25100 ft	11.924 ft	0.00261 ft	11.927 ft	Computed		242.680 ft	3
	9	<input checked="" type="checkbox"/> 5.44900 ft								245.410 ft	3
<input type="checkbox"/>	10		<input checked="" type="checkbox"/> 1.67000 ft	3.77900 ft	15.703 ft	0.00294 ft	15.706 ft	Computed		250.690 ft	3
	10	<input checked="" type="checkbox"/> 6.51500 ft								255.510 ft	3
<input type="checkbox"/>	11		<input checked="" type="checkbox"/> 4.48200 ft	2.03300 ft	17.736 ft	0.00328 ft	17.739 ft	Computed		248.060 ft	3
	11	<input checked="" type="checkbox"/> 5.61200 ft								250.260 ft	3
<input type="checkbox"/>	12		<input checked="" type="checkbox"/> 6.50400 ft	-0.89200 ft	16.844 ft	0.00364 ft	16.848 ft	Computed		271.850 ft	3
	12	<input checked="" type="checkbox"/> 2.83300 ft								261.520 ft	3
<input checked="" type="checkbox"/>	13		<input checked="" type="checkbox"/> 4.45100 ft	-1.61800 ft	15.226 ft	0.00400 ft	15.230 ft	Benchmark		260.300 ft	E235 3

Run - 1 (N7) Reduced Observations

Observation	Status	Raw Δ Elevation	Correction	Final Δ Elevation	Setups	Length	Σ BS Readings	Σ FS Readings	Std. Error
1-7 (E10)	Enabled	-4.52300 ft	0.00200 ft	-4.52100 ft	6	3004.370 ft	25.37300 ft	29.89600 ft	0.03202 ft
7-13 (E11)	Enabled	4.51900 ft	0.00200 ft	4.52100 ft	6	3006.620 ft	30.46700 ft	25.94800 ft	0.03204 ft

Run - 1 (N7) Reduced Coordinates

Point ID	Status	Elevation
1	Enabled	15.23000 ft
13	Enabled	15.23000 ft

Run - 2 Raw Observations

Raw Misclosure: -0.01900 ft

 Σ BS Distances: 6785.090 ft Σ FS Distances: 6777.310 ft

Run Length: 13562.400 ft


Reduction: Adjusted Values

Create	Point ID	BS	IS	FS	Δ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
<input checked="" type="checkbox"/>	7	<input checked="" type="checkbox"/> 5.53600 ft			0.00000 ft	10.707 ft	0.00200 ft	10.709 ft	Computed	251.150 ft	PK 3
<input type="checkbox"/>	14			<input checked="" type="checkbox"/> 3.00300 ft	2.53300 ft	13.240 ft	0.00262 ft	13.243 ft	Computed	215.090 ft	3
	14	<input checked="" type="checkbox"/> 5.14600 ft								244.060 ft	3
<input type="checkbox"/>	15			<input checked="" type="checkbox"/> 4.20700 ft	0.93900 ft	14.179 ft	0.00326 ft	14.182 ft	Computed	232.050 ft	3
	15	<input checked="" type="checkbox"/> 5.63800 ft								254.660 ft	3
<input type="checkbox"/>	16			<input checked="" type="checkbox"/> 4.39900 ft	1.23900 ft	15.418 ft	0.00400 ft	15.422 ft	Computed	252.620 ft	3
	16	<input checked="" type="checkbox"/> 2.80600 ft								254.430 ft	3
<input type="checkbox"/>	17			<input checked="" type="checkbox"/> 4.96100 ft	-2.15500 ft	13.263 ft	0.00472 ft	13.268 ft	Computed	251.150 ft	3
	17	<input checked="" type="checkbox"/> 6.03300 ft								257.220 ft	3
<input type="checkbox"/>	18			<input checked="" type="checkbox"/> 5.12600 ft	0.90700 ft	14.170 ft	0.00548 ft	14.175 ft	Computed	259.380 ft	3
	18	<input checked="" type="checkbox"/> 6.07200 ft								251.710 ft	3
<input type="checkbox"/>	19			<input checked="" type="checkbox"/> 5.31000 ft	0.76200 ft	14.932 ft	0.00620 ft	14.938 ft	Computed	251.150 ft	3
	19	<input checked="" type="checkbox"/> 3.53300 ft								259.740 ft	3
<input type="checkbox"/>	20			<input checked="" type="checkbox"/> 4.09500 ft	-0.56200 ft	14.370 ft	0.00697 ft	14.377 ft	Computed	259.780 ft	3
	20	<input checked="" type="checkbox"/> 7.27700 ft								247.770 ft	3
<input type="checkbox"/>	21			<input checked="" type="checkbox"/> 7.45700 ft	-0.18000 ft	14.190 ft	0.00763 ft	14.198 ft	Computed	232.150 ft	3
	21	<input checked="" type="checkbox"/> 3.49900 ft								262.140 ft	3
<input type="checkbox"/>	22			<input checked="" type="checkbox"/> 4.20700 ft	-0.70800 ft	13.482 ft	0.00840 ft	13.490 ft	Computed	257.840 ft	3
	22	<input checked="" type="checkbox"/> 4.92000 ft								254.360 ft	3
<input type="checkbox"/>	23			<input checked="" type="checkbox"/> 1.69400 ft	3.22600 ft	16.708 ft	0.00910 ft	16.717 ft	Computed	244.720 ft	3
	23										3

		✓ 1.54400 ft								251.870 ft	
<input type="checkbox"/>	24		✓ 5.37400 ft	-3.83000 ft	12.878 ft	0.00985 ft	12.888 ft	Computed		259.120 ft	3
	24	✓ 4.93800 ft								241.210 ft	3
<input type="checkbox"/>	25		✓ 4.36700 ft	0.57100 ft	13.449 ft	0.01056 ft	13.460 ft	Computed		258.200 ft	3
	25	✓ 4.28000 ft								248.460 ft	3
<input type="checkbox"/>	26		✓ 4.59100 ft	-0.31100 ft	13.138 ft	0.01126 ft	13.149 ft	Computed		247.600 ft	3
	26	✓ 3.66700 ft								126.540 ft	3
<input type="checkbox"/>	27		✓ 3.20100 ft	0.46600 ft	13.604 ft	0.01147 ft	13.615 ft	Computed		143.470 ft	88BM 3
	27	✓ 3.27900 ft								143.410 ft	88BM 3
<input type="checkbox"/>	28		✓ 3.74600 ft	-0.46700 ft	13.137 ft	0.01167 ft	13.149 ft	Computed		126.940 ft	3
	28	✓ 4.53200 ft								246.880 ft	3
<input type="checkbox"/>	29		✓ 5.18200 ft	-0.65000 ft	12.487 ft	0.01237 ft	12.499 ft	Computed		248.420 ft	3
	29	✓ 5.45500 ft								263.840 ft	3
<input type="checkbox"/>	30		✓ 5.02000 ft	0.43500 ft	12.922 ft	0.01312 ft	12.935 ft	Computed		248.060 ft	3
	30	✓ 5.10600 ft								268.010 ft	3
<input type="checkbox"/>	31		✓ 1.31900 ft	3.78700 ft	16.709 ft	0.01388 ft	16.723 ft	Computed		251.150 ft	3
	31	✓ 1.69700 ft								244.720 ft	3
<input type="checkbox"/>	32		✓ 4.96500 ft	-3.26800 ft	13.441 ft	0.01460 ft	13.456 ft	Computed		255.180 ft	3
	32	✓ 4.27900 ft								259.940 ft	3
<input type="checkbox"/>	33		✓ 3.55500 ft	0.72400 ft	14.165 ft	0.01537 ft	14.180 ft	Computed		261.290 ft	3
	33	✓ 7.55100 ft								232.350 ft	3
<input type="checkbox"/>	34		✓ 7.36600 ft	0.18500 ft	14.350 ft	0.01603 ft	14.366 ft	Computed		247.830 ft	3
	34	✓ 4.25700 ft								259.740 ft	3
<input type="checkbox"/>	35		✓ 3.69900 ft	0.55800 ft	14.908 ft	0.01679 ft	14.925 ft	Computed		257.780 ft	3
	35									252.000 ft	3

		✓ 5.52800 ft								
<input type="checkbox"/>	36		✓ 6.30600 ft	-0.77800 ft	14.130 ft	0.01751 ft	14.148 ft	Computed	251.940 ft	3
	36	✓ 5.34600 ft							259.810 ft	3
<input type="checkbox"/>	37		✓ 6.22000 ft	-0.87400 ft	13.256 ft	0.01827 ft	13.274 ft	Computed	256.500 ft	3
	37	✓ 5.11500 ft							250.100 ft	3
<input type="checkbox"/>	38		✓ 2.99400 ft	2.12100 ft	15.377 ft	0.01900 ft	15.396 ft	Computed	256.460 ft	3
	38	✓ 4.55100 ft							250.290 ft	3
<input type="checkbox"/>	39		✓ 5.76800 ft	-1.21700 ft	14.160 ft	0.01973 ft	14.180 ft	Computed	256.630 ft	3
	39	✓ 4.64200 ft							233.100 ft	3
<input type="checkbox"/>	40		✓ 6.32300 ft	-1.68100 ft	12.479 ft	0.02037 ft	12.499 ft	Computed	241.370 ft	3
	40	✓ 4.14800 ft							215.580 ft	3
	7		✓ 5.93900 ft	-1.79100 ft	10.688 ft	0.02100 ft	10.709 ft	Computed	253.440 ft	3

Run - 2 (N8) Reduced Observations

Observation	Status	Raw Δ Elevation	Correction	Final Δ Elevation	Setups	Length	Σ BS Readings	Σ FS Readings	Std. Error
 7-7 (E12)	Enabled	-0.01900 ft	0.01900 ft	0.00000 ft	28	13562.400 ft	130.37500 ft	130.39400 ft	0.06740 ft

Date: 2/17/2016 1:39:21 PM	Project: S:\WORK IN PROGRESS\SURVEY_STAFF_FOLDERS\EBANKS\BF6 \NAVD88\BF6_LevelProject.vce	Trimble Business Center
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REGISTRATION WORKSHEET - BF-6 Installation/Modification

Site Name: **BF-6** Today's Date: **2/17/2016** Type Recorder: **CR10**
 Activity: **Installation/Modifica** Effective Date: Start Date of Data :
 Customer: **Lee Hennick/SCADA CR.10** 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: Addendum Added to Update Surveying Data for REF. ELEV... NEW Well Head... ELEV. Changed from NGVD 29 to NAVD 88 (Offset = 1.57).

Site Directions: From I-95/ Hillsboro Blvd in Broward County... Take Hillsboro Blvd. West for 0.5ml to Goolsby Blvd... Make left and go South 0.25ml to City Water Plant... Well Site is in Back of Plant north side of retention area and concrete slab with piping works.

Site Address (if any):

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

Recorder Location/Purpose: **Floridian Acquirer Wells** Structure Type:

Array ID Configuration table attached

SURVEY INFORMATION

B.M. Elevation: **12.03ft** Date: **2/16/2016** Stamp: **BF6B 2016**
 Agency: **SFWMD** Type: **ALUM** Datum: **NAVD 88**

Benchmark Location/ Description: Located 4.9ft East of Well and 21.9ft South of the NW corner of large concrete pad. Mark set middle of raised border curb.

COMMUNICATIONS INFORMATION

Communications System: **Loggernet** Loggernet Server: **0** Loggernet IP Address:
 Tower: **ACMET** 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
GW1		16.45ft	2/16/2016			11.9ft	12.03ft	NAVD 88	Mark Top of Gal. Elbow... 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								
GW1																

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	26 18 52.1	80 07 25.7			2	48	42	West Dixie Bend		Broward	