

SURVEYOR'S REPORT

Specific Purpose Survey of

Well site C-258

Collier County, Florida

Prepared for:

South Florida Water Management District

Prepared by:



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Licensed Business (L.B.) 6860

South Florida Water Management District's

Purchase Order number 4500013259

Keith and Associates project number 07050.04,

Task 001

Report Date: August 28, 2007

Submittal: First

SURVEYOR'S REPORT

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SURVEYOR'S REPORT

PURPOSE

To establish (NAVD 1988 and NGVD 1929) vertical data on the existing Well. Set a Brass Tag on the Well with the following data stamped on it:

Structure designation

Elevation of the well benchmark

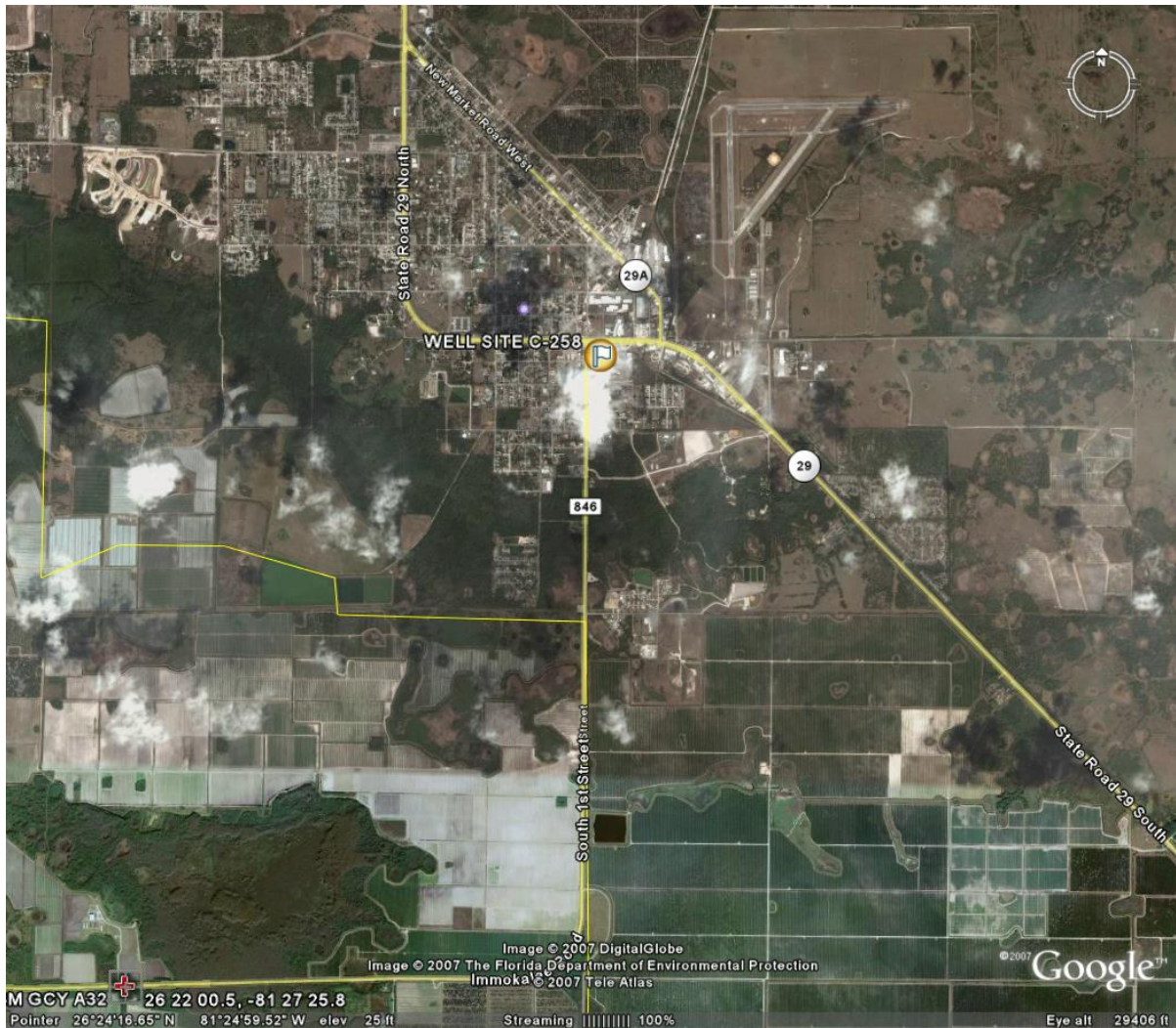
Date of site work

Company initials and

Datum

LOCATION OF PROJECT

The project is located in Collier County, Florida.



SURVEYOR'S REPORT

ITEMS DELIVERED TO THE DISTRICT

1. Electronic copy of field notes.
2. Electronic copy of all computation sheets.
3. CORPSMET 95 file.
4. Site photographs.
5. Surveyor's Report.
6. District Benchmark Sheets.
7. District Well Excel Sheet.

DATUM FOR THE PROJECT

The vertical datum for the project is National Geodetic Vertical Datum (NGVD) of 1929 and North American Vertical Datum (NAVD) of 1988. NGVD 1929 elevations were obtained from file NGVD29.txt supplied by the South Florida Water Management District. The horizontal datum is NAD (North American Datum) 1983/90.

LEVELING METHODS

Site Benchmark "C-258" is a 3-1/2" South Florida Water Management District brass disk set in the concrete median. A level loop was run starting at NGS benchmark E-533, through NGS benchmark F-533, through site benchmark C-258 2007 and back to E-533. A Leica NA2 conventional level was used for the level run and the site As-Builts. The level run meets or exceeds the closure requirement of "the square root of the level run in miles x 0.03'


HORIZONTAL LOCATIONS

Horizontal locations were obtained using a Trimble 5700 receiver and RTK cellular link.

Description	X, (Easting) 83/90 Coordinates	Y, (Northing) 83/90 Coordinates	Latitude	Longitude
Benchmark "C-258 2007"	519958	758042	26°25'06.8"	-81°24'58.3"
Well C-258	519985	757872	26°25'05.1"	-81°24'58.0"


SURVEYOR'S REPORT

VERTICAL CONTROL

E-533		Elevation:	NAVD 1988	26.571'	NGVD 1929	27.877'
PID AJ7588		Latitude	26° 24' 40.68930"		From NGVD29.txt file	
State/County FL/Collier		Longitude	-81° 25' 01.43296"			
USGS QUAD Immokalee (1987)						
Vertical Order	First		<p>The orthometric height was determined by differential leveling and adjusted by the NATIONAL GEODETIC SURVEY in February 2002.</p> <p>The mark is about 64.0 km (39.74 mi) northeast of Naples, in Section 3, Township 47 South, Range 29 East, Immokalee, Collier County, Florida. Ownership - Collier County. To reach the mark from the intersection of State Road 29 (Main Street) and County Road 846 (South 1st Street) in Immokalee, go southwest on County Road 846 (South 1st Street) 0.8 km (0.5 mi) to the intersection with Eustis Avenue and the mark on the right. The mark is a stainless steel rod 21.34 m (70.0 ft) east of the centerline of County Road 846 (S. 1st), 15.94 m (52.3 ft) east of the centerline of the eastbound lanes of County Road 846 (S. Street), 15.97 m (52.4 ft) northeast of wood power pole number F 5121C100, 12.92 m (42.4 ft) southeast of the southeast corner of a bricked sign (Welcome to Immokalee), 5.49 m (18.0 ft) north of the centerline of Eustis Avenue and 1.31 m (4.3 ft) south of a carsonite witness post. The datum point is set 13 cm (0.42 ft) below the level of the ground, about the same level as Eustis Avenue, being the top of a stainless steel rod driven 20.58 m (67.51 ft) to refusal and encased in a 5- inch pvc pipe with an access cover. Note - a magnet was placed inside the sleeve, below the access cover.</p>			
Class	II					
Horizontal Order	First					
Benchmark E-533						


SURVEYOR'S REPORT

VERTICAL CONTROL (CONTINUED)

F-533		Elevation:	NAVD 1988	30.882'	NGVD 1929	32.188'
PID AJ7332		Latitude	26° 24' 58.93550"		From NGVD29.txt file	
State/County FL/Collier		Longitude	-81° 25' 02.12661"			
USGS QUAD Immokalee (1987)						
Vertical Order	First	<p>The orthometric height was determined by differential leveling and adjusted by the NATIONAL GEODETIC SURVEY in February 2002.</p> <p>The mark is about 64.0 km (39.74 mi) northeast of Naples, in Section 3, Township 47 South, Range 29 East, Immokalee, Collier County, Florida. To reach the mark from the intersection of State Road 29 (Main Street) and County Road 846 (South 1st Street) in Immokalee, go south on County Road 846 (South 1st Street) 0.2 km (0.14 mi) to the mark on the left. the mark is a stainless steel rod 42.06 m (138.0 ft) northwest of the northwest corner of a building at 210 South 1st Street, 39.01 m (128.0 ft) south of an extended centerline of Boston Ave, 10.97 m (36.0 ft) east of the centerline of County Road 846 (South 1st Street), 5.49 m (18.0 ft) east of the centerline of the eastbound lanes of County Road 846 (South 1st Street) and 0.30 m (1.0 ft) east of the east back of a concrete sidewalk. The datum point is set 11 cm (0.37 ft) below the level of the ground, about the same level as County Road 846, being the top of a stainless steel rod driven 24.20 m (79.40 ft) to refusal and encased in a 5- inch pvc pipe with an access cover. note –a magnet was placed inside the sleeve, below the access cove</p>				
Class	II					
Horizontal Order	First					
						

SURVEYOR'S REPORT

VERTICAL CONTROL (CONTINUED)

C-258		Elevation:	NAVD 1988	34.805'	NGVD 1929	36.111'
	Latitude		26° 25' 06.8"		Derived from the level loop as described in the Leveling Methods section of this report.	
State/County FL/Collier	Longitude		-81° 24' 58.3"			
USGS QUAD Immokalee (1987)						
Vertical Order Horizontal Order	Third Third		<p>The mark is about 64.0 km (39.74 mi) northeast of Naples, in Section 3, Township 47 South, Range 29 East, Immokalee, Collier County, Florida. To reach the mark from the intersection of State Road 29 (Main Street) and County Road 846 (South 1st Street) in Immokalee, proceed approximately 465' east to the intersection of State Road 29 (Main Street) and South 2nd Street) and a concrete median in the centerline of State Road 29 (Main Street) lying west of South 2nd Street . The mark is set in the concrete median approx. 60' west of the centerline of South 2nd Street and 9' west of the bullnose also being approximately 230' north and 100' east of well C-258 and opposite address 111 Main Street.</p>			
						

SURVEYOR'S REPORT

PROJECT RESULTS

C-258 Well

Reference mark: **Set mark on PVC pipe.**

New Information at the site:

Set Brass Tag and stamped the following information.

Mark El. **38.036'**

NGVD 29

Initials: **K&A**

Date: **08/27/07**

Offset (written in marker not stamped on tag):

1.306'

Previous Information at the site:

Reference Mark Elevation(s)

El. **None**

Date: **None**

Initials: **None**

Reference Mark location

Same as above mark.

DTW (Distance to water inside well)

Unable to obtain, spigot threaded into well opening.

Reference mark: **N/A**

El. **N/A** (NGVD 29)

Measurement to water: **N/A**

Date: **N/A**

Time: **N/A**

Well C-258



8/27/07

Keith and Associates

SURVEYOR'S REPORT

Comments

Elevations shown hereon are NGVD 1929 datum unless noted otherwise.

Party Chief: A. McKinney Field Book: 278 Page Pages 9-11,

Field Book: 273 Page Page 52

Bench Mark: "C-258" El. 34.805', Vertical Datum: NAVD1988

El. 36.111', Vertical Datum: NGVD1929

Offset: 1.306' SFWMD VALUE (subtract this value from NGVD 1929 to convert to NAVD 1988)

Offset: 1.306' 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 F-533.

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
August 27, 2007

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

07-26-07
A.M. Kinnear
A.P. Innes

07050.04
S.F.W.M.D.
C-258
BENCH LOOP
"BEGIN"

STA	I	H _i	I	NAVD 888 ELV 26.511	BM ELV
E-533	6.575 5.440 <u>4.305</u> 5.440 221'	32.01 ¹			
TP#1	8.578 7.425 <u>6.265</u> 7.423 231'	35.173	5.419 4.260 <u>3.102</u> 4.260 232'	27.150	ADJ. 27.751
TP#2	7.949 6.707 <u>5.475</u> 6.710 247'	36.256 ⁷	6.835 5.628 <u>4.418</u> 5.627 242'	29.546	ADJ. 29.547
TP#3	7.180 6.010 <u>4.840</u> 6.010 231'	36.998 ⁹	6.570 5.355 <u>4.148</u> 5.358 242'	30.898	ADJ. 30.899
E-533 TP#4	8.076 6.940 <u>5.810</u> 6.942 227'	37.817 ⁸	7.035 6.035 <u>5.028</u> 6.033 221'	30.818	ADJ. 30.877 30.88
TP#5	7.400 6.589 <u>5.730</u> 6.590 162'	38.608 ¹	6.950 5.805 <u>4.666</u> 5.807 228'	32.000	ADJ. 32.012

278/09

DESCRIPTIONS

E-533 = FND METAL ROD "ACCESS TO METAL ROD THROUGH A 5-INCH LOGO CAP 20' +/- N. OF E OF E. EUSTIS AVE. & 65' +/- E. OF E OF S. 1ST ST. (4.30' S. OF CARSONITE WITNESS POST). ELV. 26.57 NAVD88

TP#1 = SET NAIL @ BOC/EOW

TP#2 = SET NAIL @ EOP/WHITE STRIP

TP#3 = SET NAIL

F-533 (TP#4) = FND METAL ROD "ACCESS TO METAL ROD THROUGH A 5-INCH PVC PIPE WITH CONC. AROUND IT" (5-INCH LOGO CAP IS RIPPED OFF).. 40' +/- E. OF E OF S. 1ST ST. & 125' +/- S. OF E OF BOSTON AVE.. (1 +/- OF B.O.W.). ELV. 30.88 NAVD88

TP#5 = SET NAIL

07-16-07

A.M.
A.P.

07050.04
S.F.W.M.D.
C-258
BENCH LOOP

278/10

STA	±	HI 38.600	NAVD 1988 ELV.	BX ELV.
TP#6	5.610 5.090 4.570 5.090 104'	39.161	5.295 4.528 3.768 4.530 153'	ADJ. 34.070 34.071'
TP#7 SET DISC.	6.030 4.830 3.690 4.833 239'	39.637	5.045 4.358 3.667 4.351 133'	ADJ. 34.805 34.805'
TP#8	6.920 5.756 4.597 5.758 237'	38.478	8.090 6.915 5.745 6.917 235'	ADJ. 32.722 32.722'
TP#9	5.400 4.175 2.945 4.173 246'	35.525	8.270 7.130 5.980 7.127 229'	ADJ. 31.358 31.353'
TP#10	6.370 5.170 3.970 5.170 240'	35.768	6.150 4.933 3.715 4.933 244'	ADJ. 30.598 30.594'
TP#11	6.870 5.620 4.380 5.623 248'	35.178	7.430 6.204 4.980 6.205 245'	ADJ. 29.558 29.559'

DESCRIPTIONS

TP#6 = SET NAIL @ BOLL

TP#7 = SET 3 1/2" BRASS DISC. S.F.W.M.D. "STAMPED C-258"
2007" MARK IS LOCATED IN THE E CONC. MEDIAN OF E OF
MAIN ST. (SR-29). 60' +/- W. OF E OF 2nd ST. (A*1-W
OFF BULLDOSE) IN FRONT OF IMMOKALEE AGRICULTURAL WORKERS ID
#111 MAIN ST. (SR-29)...

TP#8 = SET NAIL

TP#9 = PAINT DOT ON COR. OF PLANTER...

TP#10 = SET NAIL...

TP#11 = SET NAIL...

07-26-07

A.M.

A.P.

07050.04

S.F.W.M.D.

C-258

BENCH LOOP

STA	I	HI	NAVD 1988	
			ELV	BM ELV
		<u>35.178</u>		
TP#12	5363		8.695	
	4.213	31.968	7.480	
	<u>3.174</u>		<u>6.265</u>	
	4.170 2191		7.480 243	
E-533		6.545		
TP#13			5.400	26.566
			<u>4.260</u>	26.571
			5.402 229	

278/11

DESCRIPTIONS

TP#12 = SET NAIL

E-533 = END METAL ROD " ACCESS TO METAL ROD THROUGH SENCH LOG CAR. 20' N. OF E. OF E. EUSTIS AVE. S (65' N. E. OF E. OF S. 1ST ST. (4.30 S. OF CARSONITE WITNESS POST))
ELV 26.57 NAVD 88

ERROR 0.002 ALLOWABLE ERROR 0.031

NOTE: SEE PAGE 52 THIS BOOK FOR SITE WORK.

8-27-07
 FERRELL
 MCKINNEY
 GREESE
 DUNNACK

S. F. W. M. D.
 C 258

	H	H1		NAVD 1988 ELEV	NAVD 1929 ELEV
B.M.	4.045	38.850 ✓		34.805	36.111
TP1	5.940	38.550 ✓	4.240	32.610 ✓	
TP2	1.640	38.310 ✓	1.820	36.730 ✓	38.036
B.M.			3.565	31.805 ✓	

JOB# 07050.04

273-52

(REF. F.B. 278, PGS 9-11)

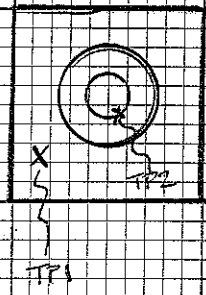
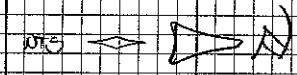
OFFSET @ 1.306 TO NAVD 1988

C-258 S.F.W.M.D. BRASS DISK IN CONC. MEDIAN @ MAIN ST. (S.R. 29) . 9' OF THE BULLNOSE @ CO'E OF C

X CUT IN CONC PAD FOR WELL N.E.

SET MARKER MARK ATOP PVC PIPE (WELL)

B.M. CHECK @ C-258 2007 AS DESC. ABOVE



(WELL IS FULL OF WATER)

Identifications Information:

Citation:

Citation Information:

Originator: Michael M. Mossey, P. S. M. (ed.)

Publication Date: 20070828

Publication Time: Unknown

Title: C-258

Edition: 1

Publication Information:

Publication Place: Not Published

Publisher: None

Online Linkage: mmossey@keith-associates.com

Description:

Abstract: Culvert C-258

Purpose:

To establish reference elevations in NAVD 1988 and NGVD 1929 datum at the site on the existing well. Set brass tag on the well and stamp the date of survey, datum (NGVD 1929), company initials, structure designation and elevation of the well mark. Set a site benchmark.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20070815

Ending Date: 20070827

Currentness Reference: Publication Date

Status:

Progress: Complete

Maintenance and Update Frequency: Unknown

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: 81°24' 58.3"

East Bounding Coordinate: 81°24' 58.3"

North Bounding Coordinate: 26°25' 06.8"

South Bounding Coordinate: 26°25' 06.8"

Keywords:

Theme:

Theme Keyword Thesaurus: Specific Purpose Survey

Theme Keyword: Well Site

Place:

Place Keyword Thesaurus: Collier County, Florida

Place Keyword: Well Site C-258

Place Keyword: Sections 3 Township 47 S - Range 29 E

Access Constraints: None

Use Constraints: None

Point of Contact:

Contact Information:

Contact Person Primary:

Contact Person: Howard Ehmke

Contact Organization: South Florida Water Management

District

Contact Position: Lead Project Manager Acceler8

Contact Address:

Address Type: mailing and physical address

Address:

2301 Centre Park West Drive,
Suite # 150,

City: West Palm Beach

State or Province: Florida

Postal Code: 33409

Country: USA

Contact Voice Telephone: Office (561) 682-6923

C-258 Monitor Well.met
Contact_Electronic_Mail_Address: skrupa@sfwmd.gov
Hours_of_Service: 8:00 am to 5:00 pm EST

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

Horizontal locations were obtained using a Trimble 5700 receiver and RTK cellular link. The vertical data was collected using a Leica NA2 Level. 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 "C-258 2007", a South Florida Water Management 3-1/2" brass disk in the concrete median at the intersection of Main St. (S.R. 29) and South 2nd Street.

Completeness_Report:

38.036' (NGVD1929) Monitoring Well
Offset written at wells (-) 1.306' to NAVD 1988.
Site Benchmark C-258 2007
NAVD 1988 elevation 34.805' (field derived)
NGVD 1929 elevation 36.111' (field derived)
Benchmark E-533
NAVD 1988 elevation 26.571' (Data sheet)
NGVD 1929 elevation 27.877' (NGVD29.txt file)
Benchmark F-533
NAVD 1988 elevation 30.882' (Data sheet(s))
NGVD 1929 elevation 32.188' (NGVD29.txt file)

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The horizontal locations of the benchmarks were obtained using sub-meter GPS methods, Trimble 5700 receiver and RTK cellular link.

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 E-533 and F-533 were used to establish elevations on the site benchmarks.

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:

NA2 Differential leveling was performed using a Leica conventional level. For the well as-built the newly established values for benchmark C-258 2007 were used.

The elevation stamped on the brass tag is in NGVD
Page 2

C-258 Monitor Well.met

1929

the datum with an offset written on the well to convert elevation to NAVD 1988.

Process_Date: 20070828

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 26°25'05.1"

Longitude_Resolution: -81°24'58.3"

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.

Distribution_Liability: None

Metadata_Reference_Information:

Metadata_Date: 20070828

Metadata_Review_Date: 20050721

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Michael M. Mossey, P. S. M.

Contact_Organization: Keith and Associates

Contact_Position: Project Surveyor

Contact_Address:

Address_Type: mailing and physical address

Address: 301 East Atlantic Boulevard

City: Pompano Beach

State_or_Province: FL

Postal_Code: 33060-6643

Country: USA

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 am to 5:00 pm EST

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial

Metadata

Metadata_Standard_Version: 19940608

C-258	7050.04	PARTY CHIEF	A. McKINNE	DATE:	July 26, 2007	Datum:	NAVD 1988	FIELD BOOK	278	PAGES	9-11		
STATION	3 WIRE	AVG.(ENG)	HI	3 WIRE	AVG.(ENG)	ELEV.	BM EL.	DIST.	ERROR	ACCUM.	ADJ. ELEV.	METRIC	DESCRIPTION
	6.575												
BM	5.440	5.440	32.011			26.571	26.571						E-533 SS ROD IN LOGO
E-533	4.305	0.000											CAP 20' +/- N. OF CL OF E. EUSTIS AVE. & 65' +/- E. OF S. 1st ST.
STADIA		227.000											
	8.578			5.419									
TP1	7.425	7.423	35.173	4.260	4.260	27.751		458.70	-0.000133754	-0.000133754	27.751	8.458	
	6.265	0.002		3.102	0.000			-4.70					
	22.268			12.781				-4.70					
STADIA		231.300			231.700								
	7.949			6.835									
TP2	6.707	6.710	36.257	5.628	5.627	29.546		473.00	-0.000137924	-0.000271679	29.547	9.006	
	5.475	-0.003		4.418	0.001			-10.40					
	20.131			16.881				-15.10					
STADIA		247.400			241.700								
	7.180			6.570									
TP3	6.010	6.010	36.909	5.355	5.358	30.899		489.60	-0.000142765	-0.000414443	30.899	9.418	
	4.840	0.000		4.148	-0.003			5.20					
	18.030			16.073				-9.90					
STADIA		234.000			242.200								
	8.076			7.035									
TP4	6.940	6.942	37.818	6.035	6.033	30.876		434.70	-0.000126756	-0.000541199	30.877	9.411	E-533 SS ROD IN LOGO
F-533	5.810	-0.002		5.028	0.002			33.30					CAP 40' +/- E. OF CL OF 1st ST & 125' +/- S. OF CL OF BOSTON AVE
	20.826			18.098				23.40					
STADIA		226.600			200.700								
	7.400			6.950									
TP5	6.589	6.590	38.601	5.805	5.807	32.011		455.00	-0.000132675	-0.000673875	32.012	9.757	
	5.780	-0.001		4.666	-0.002			-1.80					
	19.769			17.421				21.60					
STADIA		162.000			228.400								

C-258	7050.04	PARTY CHIEF	A. McKINNE	DATE:	July 26, 2007	Datum:	NAVD 1988	FIELD BOOK	278	PAGES	9-11		
STATION	3 WIRE	AVG.(ENG)	HI	3 WIRE	AVG.(ENG)	ELEV.	BM EL.	DIST.	ERROR	ACCUM.	ADJ. ELEV.	METRIC	DESCRIPTION
	5.610			5.295									
TP6	5.090	5.090	39.161	4.528	4.530	34.071		314.70	-0.000091765	-0.000765640	34.071	10.385	
	4.570	0.000		3.768	-0.002			9.30					
	15.270			13.591				30.90					
STADIA		104.000			152.700								
	6.030			5.045									
TP7	4.830	4.833	39.637	4.358	4.357	34.804		241.80	-0.000070508	-0.000836147	34.805	10.609	SET SFWMD IN CONCRETE MEDIAN
	3.640	-0.003		3.667	0.001			-33.80					C-258 2007 CL MAIN ST. 60' +/- W. OF CL
	14.500			13.070				-2.90					OF 2nd STREET9' +/- W. OF THE BULLNOSE
STADIA		239.000			137.800								OPP ADDRESS 111 MAIN STREET
	6.920			8.090									
TP8	5.756	5.758	38.478	6.915	6.917	32.721		473.50	-0.000138070	-0.000974217	32.722	9.974	
	4.597	-0.002		5.745	-0.002			4.50					
	17.273			20.750				1.60					
STADIA		232.300			234.500								
	5.400			8.270									
TP9	4.175	4.173	35.525	7.130	7.127	31.352		461.30	-0.000134513	-0.001108730	31.353	9.556	
	2.945	0.002		5.980	0.003			3.30					
	12.520			21.380				4.90					
STADIA		245.500			229.000								
	6.370			6.150									
TP10	5.170	5.170	35.762	4.933	4.933	30.592		489.00	-0.000142590	-0.001251319	30.594	9.325	
	3.970	0.000		3.715	0.000			2.00					
	15.510			14.798				6.90					
STADIA		240.000			243.500								

C-258	7050.04	PARTY CHIEF	A. McKINNE	DATE:	July 26, 2007	Datum:	NAVD 1988	FIELD BOOK	278	PAGES	9-11		
STATION	3 WIRE	AVG.(ENG)	HI	3 WIRE	AVG.(ENG)	ELEV.	BM EL.	DIST.	ERROR	ACCUM.	ADJ. ELEV.	METRIC	DESCRIPTION
	6.870			7.430									
TP11	5.620	5.623	35.181	6.204	6.205	29.558		485.00	-0.000141423	-0.001392743	29.559	9.010	
	4.380	-0.003		4.980	-0.001			-5.00					
	16.870			18.614				1.90					
STADIA		249.000			245.000								
	5.363			8.695									
TP12	4.273	4.270	31.971	7.480	7.480	27.701		492.00	-0.000143464	-0.001536207	27.703	8.444	
	3.174	0.003		6.265	0.000			6.00					
	12.810			22.440				7.90					
STADIA		218.900			243.000								
				6.545									
BM				5.400	5.402	26.569	26.571	228.50	-0.000066629	-0.001666667	26.571	8.099	E-533 SS ROD IN LOGO
				4.260	-0.002			-228.50					CAP 20' +/- N. OF CL OF E. EUSTIS
				16.205				-1.70					AVE. & 65' +/- E. OF S. 1st ST.
						228.500							
							LOR=	5715.70	CHECK VALUES TO VERIFY SAME				
									OR TO SEE THEY ARE WITHIN				
	TOTAL +=	2857.000		TOTAL -=	2858.700			5715.70	THIRD ORDER SPECS(MAX DIFF. 33 FT.)				
					-1.70								
					RAW CLOSURE=			-0.002					
					ERROR PER FOOT=			0.000					
					MTS ALLOWABLE ERROR FOR THIRD ORDER=			0.031					
					ACTUAL ERROR=			0.002	RED IF BAD-----GREEN IF GOOD				

C-258	7050.04	PARTY CHIEF	A. McKINNE	DATE:	July 26, 2007	Datum:	NGVD 1929	FIELD BOOK	278	PAGES	9-11		
STATION	3 WIRE	AVG.(ENG)	HI	3 WIRE	AVG.(ENG)	ELEV.	BM EL.	DIST.	ERROR	ACCUM.	ADJ. ELEV.	METRIC	DESCRIPTION
	6.575												
BM	5.440	5.440	33.317			27.877	27.877						E-533 SS ROD IN LOGO
E-533	4.305	0.000											CAP 20' +/- N. OF CL OF E. EUSTIS AVE. & 65' +/- E. OF S. 1st ST.
STADIA		227.000											
	8.578			5.419									
TP1	7.425	7.423	36.479	4.260	4.260	29.057		458.70	-0.000133754	-0.000133754	29.057	8.857	
	6.265	0.002		3.102	0.000			-4.70					
	22.268			12.781				-4.70					
STADIA		231.300			231.700								
	7.949			6.835									
TP2	6.707	6.710	37.563	5.628	5.627	30.852		473.00	-0.000137924	-0.000271679	30.853	9.404	
	5.475	-0.003		4.418	0.001			-10.40					
	20.131			16.881				-15.10					
STADIA		247.400			241.700								
	7.180			6.570									
TP3	6.010	6.010	38.215	5.355	5.358	32.205		489.60	-0.000142765	-0.000414443	32.205	9.816	
	4.840	0.000		4.148	-0.003			5.20					
	18.030			16.073				-9.90					
STADIA		234.000			242.200								
	8.076			7.035									
TP4	6.940	6.942	39.124	6.035	6.033	32.182		434.70	-0.000126756	-0.000541199	32.183	9.809	E-533 SS ROD IN LOGO
F-533	5.810	-0.002		5.028	0.002			33.30					CAP 40' +/- E. OF CL OF 1st ST & 125' +/- S. OF CL OF BOSTON AVE
	20.826			18.098				23.40					
STADIA		226.600			200.700								
	7.400			6.950									
TP5	6.589	6.590	39.907	5.805	5.807	33.317		455.00	-0.000132675	-0.000673875	33.318	10.155	
	5.780	-0.001		4.666	-0.002			-1.80					
	19.769			17.421				21.60					
STADIA		162.000			228.400								

C-258	7050.04	PARTY CHIEF	A. McKINNE	DATE:	July 26, 2007	Datum:	NGVD 1929	FIELD BOOK	278	PAGES	9-11		
STATION	3 WIRE	AVG.(ENG)	HI	3 WIRE	AVG.(ENG)	ELEV.	BM EL.	DIST.	ERROR	ACCUM.	ADJ. ELEV.	METRIC	DESCRIPTION
	5.610			5.295									
TP6	5.090	5.090	40.467	4.528	4.530	35.377		314.70	-0.000091765	-0.000765640	35.377	10.783	
	4.570	0.000		3.768	-0.002			9.30					
	15.270			13.591				30.90					
STADIA		104.000			152.700								
	6.030			5.045									
TP7	4.830	4.833	40.943	4.358	4.357	36.110		241.80	-0.000070508	-0.000836147	36.111	11.007	SET SFWMD IN CONCRETE MEDIAN
	3.640	-0.003		3.667	0.001			-33.80					C-258 2007 CL MAIN ST. 60' +/- W. OF CL
	14.500			13.070				-2.90					OF 2nd STREET9' +/- W. OF THE BULLNOSE
STADIA		239.000			137.800								OPP. ADDRESS 111 MAIN STREET
	6.920			8.090									
TP8	5.756	5.758	39.784	6.915	6.917	34.027		473.50	-0.000138070	-0.000974217	34.028	10.372	
	4.597	-0.002		5.745	-0.002			4.50					
	17.273			20.750				1.60					
STADIA		232.300			234.500								
	5.400			8.270									
TP9	4.175	4.173	36.831	7.130	7.127	32.658		461.30	-0.000134513	-0.001108730	32.659	9.954	
	2.945	0.002		5.980	0.003			3.30					
	12.520			21.380				4.90					
STADIA		245.500			229.000								
	6.370			6.150									
TP10	5.170	5.170	37.068	4.933	4.933	31.898		489.00	-0.000142590	-0.001251319	31.900	9.723	
	3.970	0.000		3.715	0.000			2.00					
	15.510			14.798				6.90					
STADIA		240.000			243.500								

C-258	7050.04	PARTY CHIEF	A. McKINNE	DATE:	July 26, 2007	Datum:	NGVD 1929	FIELD BOOK	278	PAGES	9-11		
STATION	3 WIRE	AVG.(ENG)	HI	3 WIRE	AVG.(ENG)	ELEV.	BM EL.	DIST.	ERROR	ACCUM.	ADJ. ELEV.	METRIC	DESCRIPTION
	6.870			7.430									
TP11	5.620	5.623	36.487	6.204	6.205	30.864		485.00	-0.000141423	-0.001392743	30.865	9.408	
	4.380	-0.003		4.980	-0.001			-5.00					
	16.870			18.614				1.90					
STADIA		249.000			245.000								
	5.363			8.695									
TP12	4.273	4.270	33.277	7.480	7.480	29.007		492.00	-0.000143464	-0.001536207	29.009	8.842	
	3.174	0.003		6.265	0.000			6.00					
	12.810			22.440				7.90					
STADIA		218.900			243.000								
				6.545									
BM				5.400	5.402	27.875	27.877	228.50	-0.000066629	-0.001666667	27.877	8.497	E-533 SS ROD IN LOGO
				4.260	-0.002			-228.50					CAP 20' +/- N. OF CL OF E. EUSTIS
				16.205				-1.70					AVE. & 65' +/- E. OF S. 1st ST.
						228.500							
							LOR=	5715.70	CHECK VALUES TO VERIFY SAME				
									OR TO SEE THEY ARE WITHIN				
	TOTAL +=	2857.000		TOTAL -=	2858.700			5715.70	THIRD ORDER SPECS(MAX DIFF. 33 FT.)				
					-1.70								
					RAW CLOSURE=			-0.002					
					ERROR PER FOOT=			0.000					
					MTS ALLOWABLE ERROR FOR THIRD ORDER=			0.031					
					ACTUAL ERROR=			0.002	RED IF BAD-----GREEN IF GOOD				