

SURVEYOR'S REPORT

Specific Purpose Survey of the Monitoring Wells

TOHO 16

Osceola County, Florida

South Florida Water Management District's

Purchase Order number PC P602220

Keith and Schnars project number 16434.07,

Task 22002

Report Date: August 15, 2006

Submittal: First

Prepared for:

South Florida Water Management District

Prepared by:



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SURVEYOR'S REPORT

TABLE OF CONTENTS

Purpose	1
Project location	1
Deliverables	2
Datum	2
Leveling Methods	2
Vertical Control	3
Project Results	4
Project Photos	5-9
Surveyor's Certificate	10

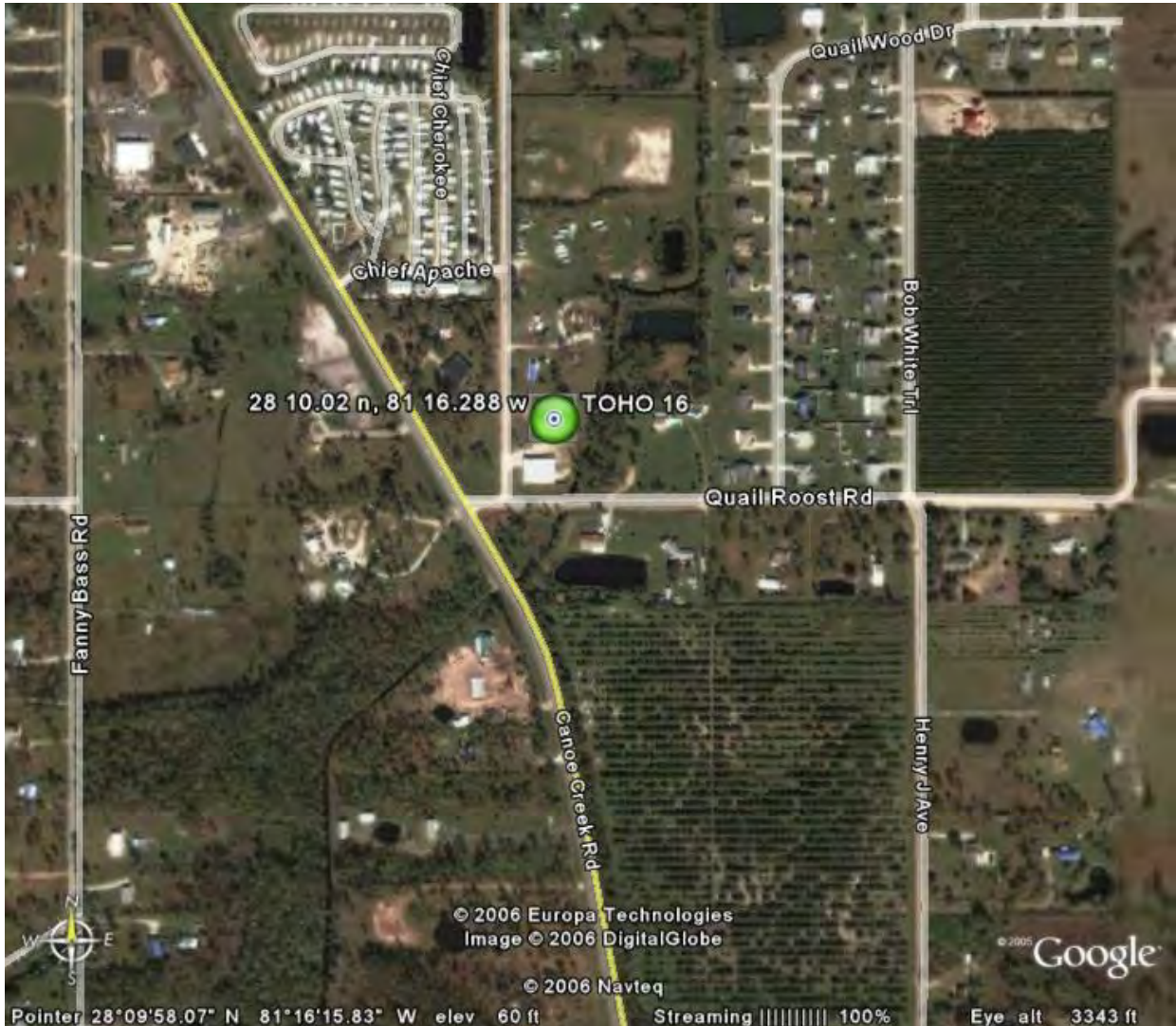
SURVEYOR'S REPORT

PURPOSE

To establish vertical data (NAVD 1988 and NGVD 1929) on the Stilling Wells at the structure.

LOCATION OF PROJECT

The project is located in Osceola County.



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.

DATUM FOR THE PROJECT


The vertical datum for the project is North American Datum of 1988 (NAVD '88). National Geodetic Survey vertical control monuments with published NAVD '88 elevations were used as the basis for this survey. The National Geodetic Vertical Datum of 1929 (NGVD '29) shown were computed using CORPSCON version 6.0 program.

LEVELING METHODS

Benchmark TOHO-16A was constructed at the site. The elevations were established from Benchmark R 506 with a Wild NA-2 conventional level and three-wire observation method.

SURVEYOR'S REPORT

VERTICAL CONTROL

BM R 506	Elevation:	NAVD 1988	70.41'	NGVD 1929	
Found in National Geodetic Survey Database	Latitude	28°09'20" (Scaled)			
State/County FL/Osceola	Longitude	81°16'09" (Scaled)			
USGS QUAD St. Cloud South (1980)					
Horiz. Order (Preliminary) Class (Preliminary)		<p>DESCRIBED BY FL DEPT OF ENV PRO 2001 (JLM) THE MARK IS ABOUT 24.8 MI (39.9 KM) NORTH OF KENSVILLE, 6.6 MI (10.6 KM) SOUTH OF ST. CLOUD, IN SECTION 12, TOWNSHIP 27 SOUTH, RANGE 30 EAST. TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAYS 192, 441 (13TH STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) IN ST. CLOUD, GO SOUTH ON COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) FOR 6.6 MI (10.6 KM) TO THE MARK ON THE LEFT, SET IN THE TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND AND LEVEL WITH COUNTY ROAD 523. LOCATED 51.0 FT (15.5 M) SOUTH OF A DRIVEWAY AT 4465, 46.1 FT (14.1 M) EAST OF THE CENTERLINE OF COUNTY ROAD 523, 6.3 FT (1.9 M) SOUTH OF POWER POLE NUMBER 6-97534 (143524049006) WITH 3 GUY WIRES AND A TRANSFORMER ATTACHED AND 2.0 FT (0.6 M) WEST OF A CARSONITE WITNESS POST.</p> <p>NOTE A BAR MAGNET WAS IMBEDDED IN THE MONUMENT ON THE SOUTH SIDE, 0.2 FT (6.1 CM) BELOW THE TOP OF THE MONUMENT.</p>			
					

SURVEYOR'S REPORT

PROJECT RESULTS

Monitoring Well #1 (South)	Monitoring Well #2 (North)
<p>Monitoring Well TOHO 16: Reference mark: <u>Set mark on W. side PVC pipe With initials K&S.</u></p> <p>New Reference Mark El. <u>72.770'</u> (NGVD '29) <u>(Wrote -1.040' to NAVD 1988).</u></p> <p>Initials: <u>K&S</u> <u>B.M., R.F., R.C.</u></p> <p>Date: <u>7/27/06</u></p> <p>written at the mark: El. <u>ILLEGIBLE</u> Date: <u>0-00</u> By: <u>None</u></p> <p>Reference Mark location: <u>Top of PVC Pipe</u></p>	<p>Monitoring Well TOHO 16: Reference mark: <u>Set mark on S.E. side PVC pipe With initials K&S.</u></p> <p>New Reference Mark El. <u>72.607'</u> (NGVD '29) <u>(Wrote -1.040' to NAVD 1988).</u></p> <p>Initials: <u>K&S</u> <u>B.M., R.F., R.C.</u></p> <p>Date: <u>7/27/06</u></p> <p>written at the mark: El. <u>ILLEGIBLE</u> Date: <u>0-00</u> By: <u>None</u></p> <p>Reference Mark location: <u>Top of PVC Pipe</u></p>

SURVEYOR'S REPORT

PROJECT PHOTO

TOHO-16



North Monitoring Well

South Monitoring Well

SURVEYOR'S REPORT

PROJECT PHOTO

TOHO-16

South Monitoring Well



SURVEYOR'S REPORT

PROJECT PHOTO

TOHO-16

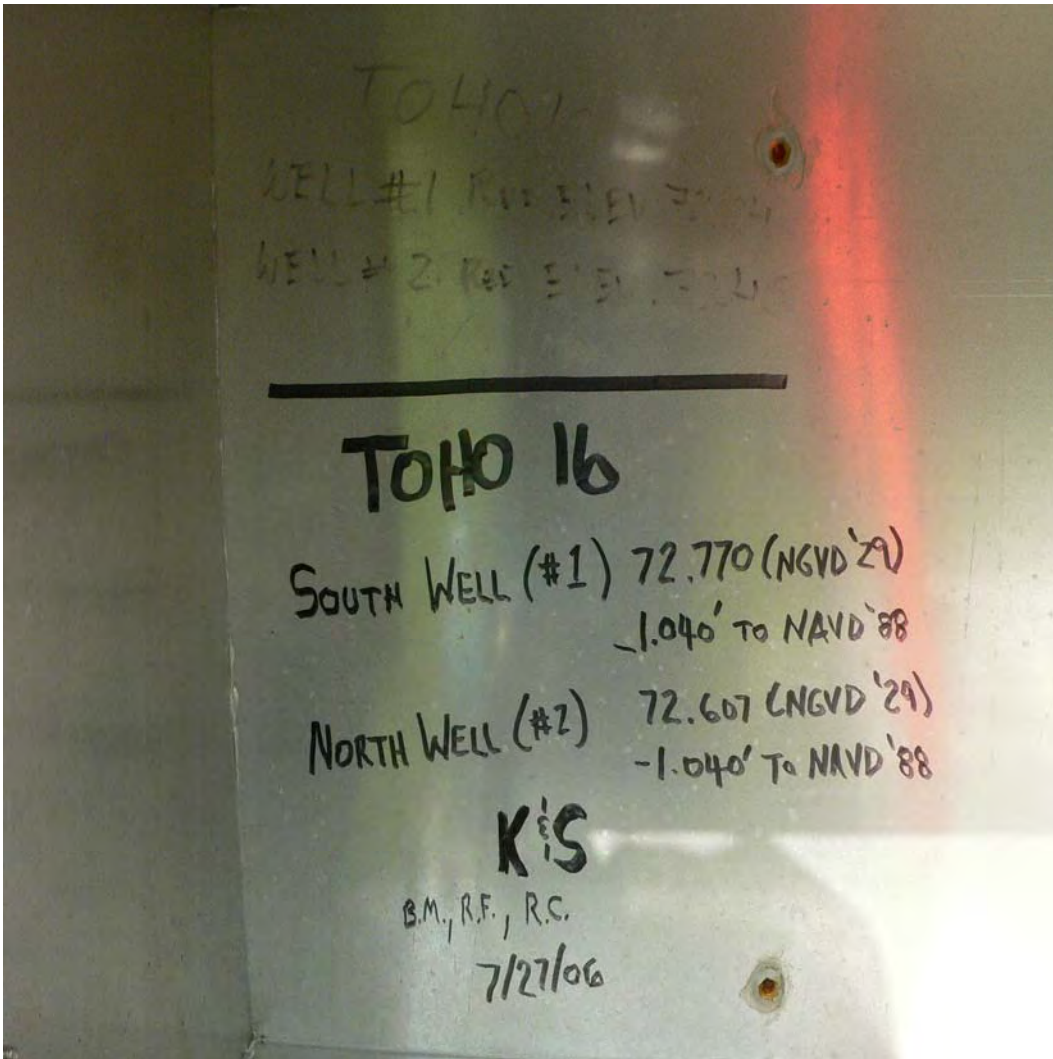
North Monitoring Well



SURVEYOR'S REPORT

PROJECT PHOTO

TOHO-16



SURVEYOR'S REPORT

PROJECT PHOTO

TOHO-16



SURVEYOR'S REPORT

Comments:

Party Chief: D. Sullivan Field Book: 1156 Page 39-43
Bench Mark: "R 506" El. 70.41' Vertical Datum: NAVD1988
Offset: 1.050' SFWMD VALUE (add this value to convert to NGVD 1929)
Offset: 1.050' NGS VALUE (add this value to convert to NGVD 1929)
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

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 SCHNARS, PA.
L.B. number 1337

By:

Date of Survey
July 27, 2006

Kenneth T. Glass, PSM
Professional Surveyor and Mapper
State of Florida
Certificate No. 5713

TOHO 16A

JOB NO 16434.07 TASK 22002
DATE 06-29-06
CREW SAME

BENCH WORK TOHO 16

BM	BS	MN	HI	FS	MN
5506	6.46 5.92 5.38	108'	5.920		
TBM 1	6.14 4.95 3.76	238'	4.950	5.90 5.36 4.82	108' 5.360
TBM 2	5.77 4.56 3.35	242'	4.560	7.06 5.86 4.66	240' 5.860
TBM 3	6.01 4.86 3.70	231'	4.857	6.91 5.69 4.48	243' 5.693
TBM 4	6.06 4.93 3.80	226'	4.930	7.05 5.90 4.75	230' 5.900
TBM 5	6.51 5.30 4.08	243'	5.297	6.21 5.08 3.95	226' 5.080
	1288'		30.514	1047'	27.893

ELEV ADJ ELEV REMARKS

NGS DATA SHEET S 506
PUBLISHED ELEV. = 70.53 NAVD '88

70.53 RND CMOU W/NGS BRASS DISC STAMPED S506 2001

PK NAIL W EP CR 523

" " " " " "

" " " " " "

" " " " " "

" " " " " "

JOB No 16434.07
 DATE 06-29-06
 CREW SAME

BENCH WORK (CONT)

BM	BS	IN	HE	FS	IN	
R506	5.82	144'	5.100	5.17	113'	
	5.10			4.61		4.607
	4.38			4.04		
2570' END RUN						
TBM 12	5.30	248'	4.060	6.13	144'	
	4.06			5.41		5.410
	2.82			4.69		
TBM 13	6.52	233'	5.353	7.50	249'	
	5.35			6.26		6.257
	4.19			5.01		
TBM 14	6.20	236'	5.020	6.52	233'	
	5.02			5.36		5.357
	3.84			4.19		
TBM 15	6.24	227'	5.103	6.06	236'	
	5.10			4.88		4.880
	3.97			3.70		
TBM 16	6.52	240'	5.320	6.34	226'	
	5.32			5.21		5.210
	4.12			4.08		
	1472		29.956	1201		
				31.721		
				<u>25.511</u>		

ELEV ADJ ELEV REMARKS

NGS DATA SHEET R 506
 PUBLISHED ELEV. = 70.41 NAVD '88

70.418 70.41 ROUND C/MON W/NGS BRASS DISC STAMPED R506
 +0.008 2001

S154 = S280 = 0.976 MILES
 $\sqrt{0.976 \times 0.03} = 0.030$ ALLOWABLE ERR

PK NAIL E EP CROSS

"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"

JOB NO.	16434.01		BENCH WORK (CONT)			
DATE	06-30-06					
CREW	SAME					
Bm	BS	MIN	HI	FS	MIN	
TBM 17	7.59 6.42 5.25	152' 239'	6.420	6.72 5.52 4.33	239'	5.523
TBM 18	6.46 5.29 4.8	152' 239'	5.295	6.18 5.02 3.85	239'	5.017
TBM 19	5.74 5.14 4.55	119'	5.143	6.90 5.64 4.48	239'	5.640
TBM 20	6.09 5.91 5.34	75'	5.913	5.89 5.29 4.70	119'	5.293
TBM 21	4.89 4.58 4.29	62'	4.580	5.81 5.44 5.06	75'	5.437
TORO 16A	6.12 5.42 4.61	61'	5.417	5.71 5.40 5.10	61'	5.403
	784		32.566	9.59		32.313 32.073

ELEV	ADJ ELEV	REMARKS
67.729		PK NAIL E SP CR 523
		" " " " "
		" " " " "
		PK NAIL IN FRONT OF SEWMD OFFICE ON EDSEL AVE
		TORO HUB N.W. CORNER SEWMD PROPERTY
68.088	68.077	1" DIA CAST MONUMENT W/ SEWMD BRASS DISC 4100'

JOB No 16484.07
 DATE 06-30-06
 CREW SAME

B.M.	BENCH WORK (CONT)		FS	MN
	MN	HI		
TBM 22	6.37 5.71 5.06	131' 131'	5.12 4.31 3.50	4.310
TBM 23	7.28 6.00 4.73	253' 253'	5.99 5.34 4.68	5.337
TBM 24	6.07 5.28 4.49	158' 158'	6.07 4.81 3.55	4.810
TBM 25	4.78 4.58 4.57 4.36	42' 42'	5.79 5.00 4.21	5.000
SSD6			5.27 5.06 4.86	5.063
	5.84	21.560	744	24.542

ELEV	ADJ ELEV	REMARKS
69.195		TOED HUB SO LAWN @ 4155 CANOE CREEK PKWY
		PK NAIL E EP CR 523
		" " " " "
		" " " " "

NGS DATA SHEET S 506
 PUBLISHED ELEV = 70.53 NAVD 88

70.545 ±0.015 70.53 RND LMON W/NGS BRASS DISC STAMPED S 506 2001
 5489
 ALLOWABLE ERR = 0.031

SAME CREW

4/27/2006

TOHO 15 REDO

BM	BS	MEAN	HI	FS	MEAN
BM TOHO 16A	5.51 5.42 <u>5.34</u> 16.27	5.423	73.500		
WELL PIPE 1				1.84 1.77 <u>1.70</u> 5.31	1.770
BM TOHO 16				4.65 4.58 <u>4.51</u> 13.74	4.580
WELL PIPE 2	2.22 2.15 <u>2.08</u> 6.45	2.150	73.713	2.01 1.94 <u>1.80</u>	1.937
BM TOHO 16A				5.73 5.64 <u>5.50</u> 16.93	5.643

ELEV.	ADJ. ELEV.	REMARKS
	68.077	POURED CONC. MON. W/ S.F.W.M.D. BRASS DISK NAVD 88
71.730		2" PVC PIPE IN ALUM. BOX ON 8" PVC PIPE ENCASEMENT NGVD 29 = 72.770 -0.040 TO NAVD 88
68.920		ALUM. DISK ON CONC. PAD BETWEEN WELL PIPES STAMPED S.F.W.M.D. LT.W. 16 1999
71.563	71.567	2" PVC PIPE IN 8" PVC PIPE ENCASEMENT, N OF ALUM. BOX NAVD 29 = 72.607 -1.040 TO NAVD 88
68.070	68.077	POURED CONC. MON. W/ S.F.W.M.D. BRASS DISK -0.007 NAVD 88

Identifi cation_I nformati on:

Ci tati on:

Ci tati on_I nformati on:

Origi nator: Kenneth T. Gl ass, P. S. M. (ed.)

Publ i cation_ Date: 20060727

Publ i cation_ Ti me: Unknown

Titl e: S. F. W. M. D. Moni tori ng Wel l

Edi ti on: TOHO-16

Publ i cation_ I nformati on:

Publ i cation_ Pl ace: Not Publ i shed

Publ i sher: None

Onl i ne_ Li nkage: kgl ass@kei thandschnars.com

Descr i pti on:

Abstr act:

South Fl ori da Water Management Di stri ct
Stru ctur e TOHO-16

Purpos e:

To establi sh referenc e elevati ons i n NAVD 1988 and
NGVD 1929 datum at the Moni tori ng Wel l (s).

Time_ Peri od_of_ Content:

Time_ Peri od_ I nformati on:

Si ngl e_ Date/ Ti me:

Cal endar_ Date: 20060727

Currentness_ Reference: Publ i cation Date

Status:

Progress: Compl ete

Mai ntenance_ and_ Update_ Frequency: Unknown

Spati al_ Domai n:

Boundi ng_ Coordi nates:

West_ Boundi ng_ Coordi nate: 81° 16' 17. 3"

East_ Boundi ng_ Coordi nate: 81° 16' 17. 3"

North_ Boundi ng_ Coordi nate: 28° 10' 01. 2"

South_ Boundi ng_ Coordi nate: 28° 10' 01. 2"

Keywords:

Theme:

Theme_ Keyword_ Thesauru s: Speci fi c Purpose Survey

Theme_ Keyword: Moni tori ng Wel l (s)

Pl ace:

Pl ace_ Keyword_ Thesauru s: Osceol a County

Pl ace_ Keyword: S. F. W. M. D. Moni tori ng Wel l TOHO-16

Pl ace_ Keyword: SEC. 01 - T27S - R30E

Access_ Constrai nts: Key needed to gain access to Moni tori ng Wel l s.

Use_ Constrai nts: Cal l South Fl ori da Water Management Di stri ct for key.

Poi nt_of_ Contact:

Contact_ I nformati on:

Contact_ Person_ Pri mary:

Contact_ Person: Howard J. Ehmke

Contact_ Organi zati on: South Fl ori da Water Management

Di stri ct

Contact_ Posi ti on: P. S. M.

Contact_ Address:

Address_ Type: mai li ng and phys ical address

Address:

Accel er 8

Sui te 150

2301 Centerpark West Drive

City: West Palm Beach

State_ or_ Provi nce: Fl ori da

Postal_ Code: 33409

Country: USA

Contact_ Voi ce_ Tel ephone: (561) 242-5520 ext 4064

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

Hours_ of_ Servi ce: 8: 00 am to 5: 00 pm EST

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

The horizontal location of the benchmark was taken from a hand held G.P.S. unit. The vertical data was collected using a Wild NA-2 Level. Coordinates are based on the Florida State Plane Coordinate System, East Zone, NAD 83/90. Elevations are based on NAVD 1988 with an offset supplied to convert to NGVD 1929.

Logical_Conistency_Report:

Vertical data on the monitoring well was established using the site benchmark.

Completeness_Report:

South Monitoring Well
72.770' (NGVD 1929) TOHO-16 Well.
Offset written at wells (-) 1.040' to NAVD 1988.
North Monitoring Well
72.607' (NGVD 1929) TOHO-16 Well.
Offset written at wells (-) 1.040' to NAVD 1988.
TOHO-16 2006 was the site benchmark used for this survey. NAVD 1988 elevation 68.077'

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The horizontal position of the benchmark was established using a hand held GPS.

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: Lat.

28°10'01.2" Long. 81°16'17.3"

Horizontal_Positional_Accuracy_Explanation: Value

derived by hand-held GPS unit.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report:

The onsite benchmark was used to establish the elevations on the monitoring well(s) in this report.

Quantitative_Vertical_Positional_Accuracy_Assessment:

Vertical_Positional_Accuracy_Value: 0.015ft. NAVD88

Vertical_Positional_Accuracy_Explanation: Better

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

Lineage:

Process_Step:

Process_Description:

NA-2

to

were

provided

Differential leveling was performed using a Wild Level. The onsite benchmark TOHO-16 2006 was used to determine the monitoring well elevation. Elevations were written at the wells in NGVD 1929 with an offset to convert the elevations to NAVD 1988.

Process_Date: 20060727

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 28°10'01.2"

Longitude_Resolution: 81°16'17.3"

Geographic_Coordinate_Units: Degrees, minutes, and decimal

seconds

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

TOHO 16.met

Contact_Organization: Keith and Schnars, P. A.

Contact_Person: Kenneth T. Glass, P. S. M.

Contact_Position: Director of Surveying and Mapping Lakeland

Contact_Address:

Address_Type: mailing and physical address

Address: 2525 Drane Field Rd., Suite 7

City: Lakeland

State_or_Province: Florida

Postal_Code: 33811

Country: Polk

Contact_Voice_Telephone: (863)-646-4771

Contact_Facsimile_Telephone: (863)-646-3378

Contact_Electronic_Mail_Address: kglass@keithandschnars.com

Hours_of_Service: 8:00-5:00 est.

Distribution_Liability: None

Metadata_Reference_Information:

Metadata_Date: 20060809

Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Kenneth T. Glass, P. S. M.

Contact_Organization: Keith and Schnars, P. A.

Contact_Position: Director of Surveying and Mapping Lakeland

Contact_Address:

Address_Type: mailing and physical address

Address: 2525 Drane Field Rd., Suite 7

City: Lakeland

State_or_Province: FL

Postal_Code: 33811

Country: USA

Contact_Voice_Telephone: (863) 646-4771

Contact_Facsimile_Telephone: (863) 646-3378

Contact_Electronic_Mail_Address: kglass@keithandschnars.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



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

COUNTY OSCEOLA	PROJECT	DESIGNATION Structure: BM TOHO-16A	
SECTION_1	TOWNSHIP <u>27</u> SOUTH	RANGE <u>30</u> EAST	
GEOGRAPHIC INDEX OF QUAD			
Established by <u>KEITH AND SCHNARS</u> Recovered by <u>SET CLASS "C" MONUMENT WITH SFWMD BRASS DISK.</u>		NAME OF QUADRANGLE <u>ST. CLOUD SOUTH</u>	
SURVEYOR <u>D. SULLIVAN (Keith and Schnars)</u> DATE <u>06/29/2006</u>		FIELD BOOK, 1156, pgs. 39-43	
HORIZONTAL DATUM: 1983 with 1999 correction, ZONE East			
VERTICAL DATUM: NGVD 1929 and NAVD 1988			
CONTROL ACCURACY: HORIZONTAL HAND-HELD GPS, 3 rd Order VERTICAL			
STATE PLANE COORDINATES	X = 568699	Y = 1393518	EL. (NGVD 1929) 69.117' EL. (NAVD 1988) 68.077'
LATITUDE <u>28° 10' 01.2"</u>		LONGITUDE <u>81° 16' 17.3"</u>	
DESCRIPTION			
South Florida Water Management District brass disk set in concrete monument stamped TOHO 16A / 2006			
The benchmark is located 5.7 miles south of St. Cloud			
To reach the mark from the intersection of U.S. 192 and Vermont Ave. in Saint Cloud travel south along Vermont Ave. a distance of 5.9 miles (Vermont Ave. will turn into Canoe Creek Rd.) to Quail Roost Rd.			
Then travel East along Quail Roost Rd. a distance of 133' to the intersection of Edsel Ave. Then travel north			
Along Edsel Rd. A distance of 94' to a gated compound. The mark is 35' south west of the southwest			
Corner of the garage in 6' Chain link gated compound.			
Notable Land marks:			

SKETCH



TOHO16



WATER MGT. DISTRICT
STATION DESIGNATION

T0H016A

YEAR 2016

SURVEY MARKER

The NGS Data Sheet

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

DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.35

1 National Geodetic Survey, Retrieval Date = APRIL 27, 2006

AJ6659 *****

AJ6659 DESIGNATION - R 506

AJ6659 PID - AJ6659

AJ6659 STATE/COUNTY- FL/OSCEOLA

AJ6659 USGS QUAD - ST CLOUD SOUTH (1980)

AJ6659

AJ6659 *CURRENT SURVEY CONTROL

AJ6659

AJ6659* NAD 83(1986)- 28 09 20. (N) 081 16 09. (W) SCALED

AJ6659* NAVD 88 - 21.461 (meters) 70.41 (feet) ADJUSTED

AJ6659

AJ6659 GEOID HEIGHT- -27.83 (meters) GEOID03

AJ6659 DYNAMIC HT - 21.429 (meters) 70.31 (feet) COMP

AJ6659 MODELED GRAV- 979,153.8 (mgal) NAVD 88

AJ6659

AJ6659 VERT ORDER - SECOND CLASS I

AJ6659

AJ6659.The horizontal coordinates were scaled from a topographic map and have

AJ6659.an estimated accuracy of +/- 6 seconds.

AJ6659

AJ6659.The orthometric height was determined by differential leveling

AJ6659.and adjusted by the National Geodetic Survey in April 2004..

AJ6659

AJ6659.The geoid height was determined by GEOID03.

AJ6659

AJ6659.The dynamic height is computed by dividing the NAVD 88

AJ6659.geopotential number by the normal gravity value computed on the

AJ6659.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AJ6659.degrees latitude (g = 980.6199 gals.).

AJ6659

AJ6659.The modeled gravity was interpolated from observed gravity values.

AJ6659

AJ6659; North East Units Estimated Accuracy

AJ6659;SPC FL E - 423,480. 173,560. MT (+/- 180 meters Scaled)

AJ6659

AJ6659 SUPERSEDED SURVEY CONTROL

AJ6659

AJ6659.No superseded survey control is available for this station.

AJ6659

AJ6659_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM735144(NAD 83)

AJ6659_MARKER: DD = SURVEY DISK

AJ6659_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AJ6659_STAMPING: R 506 2001

AJ6659_MARK LOGO: FLDEP

AJ6659_PROJECTION: FLUSH

AJ6659_MAGNETIC: B = BAR MAGNET IMBEDDED IN MONUMENT

AJ6659_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AJ6659+STABILITY: SURFACE MOTION

AJ6659_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AJ6659+SATELLITE: SATELLITE OBSERVATIONS - November 22, 2002

AJ6659

AJ6659 HISTORY - Date Condition Report By

AJ6659 HISTORY - 2001 MONUMENTED FLDEP

AJ6659 HISTORY - 20021122 GOOD FLDEP

AJ6659

AJ6659 STATION DESCRIPTION

AJ6659

AJ6659'DESCRIBED BY FL DEPT OF ENV PRO 2001 (JLM)

AJ6659'THE MARK IS ABOUT 24.8 MI (39.9 KM) NORTH OF KENSVILLE, 6.6 MI (10.6

AJ6659'KM) SOUTH OF ST. CLOUD, IN SECTION 12, TOWNSHIP 27 SOUTH, RANGE 30

AJ6659'EAST. TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAYS 192, 441

AJ6659'(13TH STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD)

AJ6659'IN ST. CLOUD, GO SOUTH ON COUNTY ROAD 523 (VERMONT AVENUE, CANOE

AJ6659'CREEK ROAD) FOR 6.6 MI (10.6 KM) TO THE MARK ON THE LEFT, SET IN THE

AJ6659'TOP OF A ROUND CONCRETE MONUMENT FLUSH WITH THE GROUND AND LEVEL WITH

AJ6659'COUNTY ROAD 523. LOCATED 51.0 FT (15.5 M) SOUTH OF A DRIVEWAY AT 4465,

AJ6659'46.1 FT (14.1 M) EAST OF THE CENTERLINE OF COUNTY ROAD 523, 6.3 FT

DATASHEETS

AJ6659'(1.9 M) SOUTH OF POWER POLE NUMBER 6-97534 (143524049006) WITH 3 GUY
AJ6659'WIRES AND A TRANSFORMER ATTACHED AND 2.0 FT (0.6 M) WEST OF A
AJ6659'CARSONITE WITNESS POST. NOTE A BAR MAGNET WAS IMBEDDED IN THE MONUMENT
AJ6659'ON THE SOUTH SIDE, 0.2 FT (6.1 CM) BELOW THE TOP OF THE MONUMENT.
AJ6659
AJ6659 STATION RECOVERY (2002)
AJ6659
AJ6659'RECOVERY NOTE BY FL DEPT OF ENV PRO 2002 (JLM)
AJ6659'RECOVERED IN GOOD CONDITION.

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