Specific Purpose Survey of the Monitoring Wells TOHO 15

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:** 



2525 Drane Field Road Suite #7 Lakeland, FL 33811 Ph. (863) 646-4771 Fax (863) 464-3378 Licensed Business (L.B.) 1337

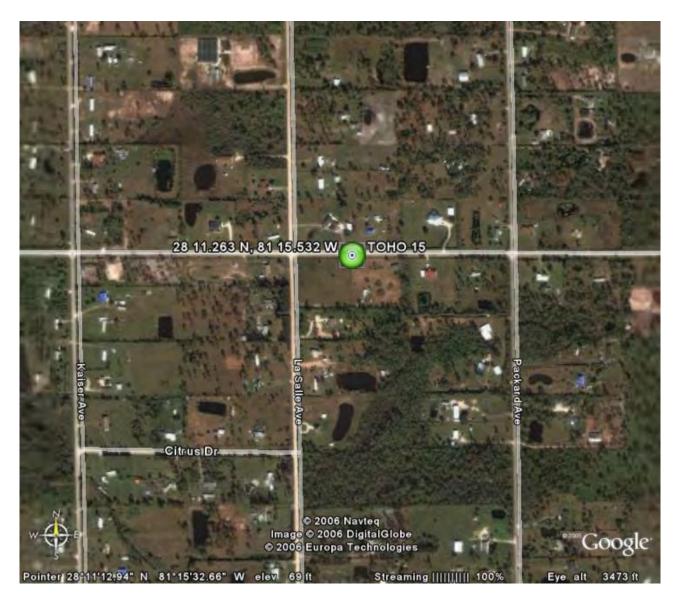
# TABLE OF CONTENTS

Purpose	1
Project location	1
Deliverables	2
Datum	2
Leveling Methods	2
Vertical Control	3
Project Results	4
Project Photos	5-8
Surveyor's Certificate	9

# **PURPOSE**

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

**LOCATION OF PROJECT** The project is located in Osceola County.



# **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-15 was constructed at the site. The elevations were established from Benchmark C576 with a Wild NA-2 conventional level and three-wire observation method.

# VERTICAL CONTROL

BM C 576	Elevation:	NAVD 1988	70.66'	NGVD 1929	
Found in National Geodetic Survey Database	Latitude	28°11'40" (Scaled)			
State/County FL/Osceola					
USGS QUAD Ashton (1981) Horiz. Order (Preliminary)					
Class (Preliminary) Class (Preliminary)		DESCRIBED BY FL E THE MARK IS ABOU 3.6 MI SOUTH OF AS SOUTH, RANGE 31 E JUNCTION OF U.S. H COUNTY ROAD 523 ROAD) IN ST. CLOUI (13TH STREET, EAST THE INTERSECTION ON STATE ROAD 15 JUNCTION OF OLD H CONTINUE SOUTH OF TREE ROAD FOR 1.2 DRIVE ON THE RIGH SET IN THE TOP OF FLUSH WITH THE GI DRIVE. LOCATED 7 OLD HICKORY TREE CENTERLINE OF PIN POWER POLE NUMB NORTH OF A HOGW WITNESS POST. NOTE A BAR MAGN ON THE SOUTH SIDH	JT 4.0 MI SOU HTON, IN SE AST. TO REA IGHWAY 192 (VERMONT ), GO EAST ( 'BRONSON I OF STATE R AND GO SO IICKORY TR ON STATE RC 5 MI TO THE IT AND THE A ROUND CO ROUND AND 8.8 FT WEST E ROAD, 23.0 IE TREE DRI <sup>1</sup> ER 20340 (EC IRE FENCE A	JTHEAST OF ST. CTION 30, TOWN CH THE MARK 2, 441 (13TH STR] AVENUE, CANO ON U.S. HIGHWA HIGHWAY) FOR OAD 15, TURN I UTH FOR 2.35 M LEE ROAD ON TH DAD 15 (OLD HIC 2 JUNCTION OF F MARK ON THE I DOCRETE MONU LEVEL WITH PI OF THE CENTER FT SOUTH OF TI VE, 9.8 FT WEST 2815A202) AND 5 ND A CARSONT EDDED IN THE (	CLOUD, NSHIP 26 FROM THE EET) AND E CREEK Y 192, 441 3.0 MI TO RIGHT I TO THE HE RIGHT, KORY PINE TREE RIGHT, JMENT NE TREE RIGHT, JMENT

# PROJECT RESULTS

### **Monitoring Well**

Monitoring Well TOHO 15: Reference mark: <u>Set mark on S. side PVC pipe</u> <u>With initials K&S.</u>

New Reference Mark El. <u>78.404'</u> (NGVD '29) (<u>Wrote -1.027' to NAVD 1988</u>).

Initials:

<u>K&S</u> <u>B.M., R.F., R.C.</u>

Date: 7/27/06

written at the mark:

El. **78.267'** Date: **6-10-99** By: **D.S.Y., F.D.** 

Reference Mark location:

**Top of PVC Pipe** 

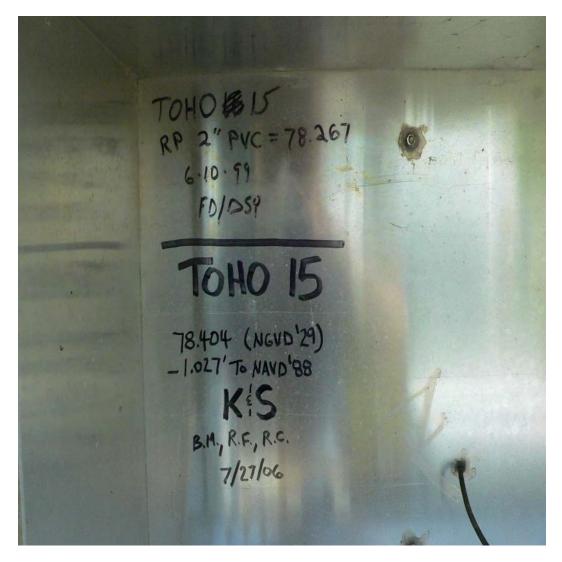
# PROJECT PHOTO



# PROJECT PHOTO



# PROJECT PHOTO



# PROJECT PHOTO





### Comments:

Party Chief: <u>D. Sullivan</u> Field Book: <u>1156</u> Page <u>44-52</u> Bench Mark: <u>"C 576"</u> El. <u>70.66</u>', Vertical Datum: <u>NAVD1988</u> Offset: <u>1.024'</u> SFWMD VALUE (add this value to convert to NGVD 1929) Offset: <u>1.024'</u> 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:

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

Date of Survey July 27, 2006

203 20		1156-44
DATE	06-30-06	
CREW	BENCH WORK TOHO 15	
BM	BS MN HI FS MN	EUEV AD EUEV REMARKS
		NGS DATA SHEET C 576 Published EIEV. = 70.66 NAND'88
A attack		
	4.35	TO GE AND LMON WINGS BRASS DISC STAMPED CSTE 2002
	6,54	
TBML	5.38 8 5.380 5.71 5.71 5.71	PK NAIL W EP SEIS
	<b>4.</b> 22 <b>*</b>	
	6.08 N	
	5,49 <sup>p</sup> 5,49 <sup>p</sup> 5,49 <sup>p</sup> 5,493	
TBM 3	5,23 M 5,260 5.26 N 5,260	
	4.10	
TBMA	6.46	
	4.01 5.237 5.69 5.690 4.01 4.53	
	6.43	
TBM5		
	<u>+++++++++++++++++++++++++++++++++++++</u>	
	<u>12-13-</u> <u>31-68</u>	

	a. 19. – Charles de la consecta de la c	tere excerning en a claure a l'energenelles cartes en anne an trabite moders recordentementeres		1156-45
Job No	16434.07		المياني المراجعة المراجع المراج المراجع المراجع	
DATE	che - 30 - 06		n an	
CREW	SAME			
lana ang ang ang ang ang ang ang ang ang	BENCH WORK TOHOIS	5 ( CONT)		المستمطمط والمردين الإلى الأنار الأليان المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع والأحمسم المرجحة بالمركزة بالمراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع الم
BM	BS MAN		ELEV ADI ELEV REMA	a destructions de trabaix de la serviciona de la construction de la construction de la construction de la cons Receiver de la construction de la co
·····	n för att er sen anden att en eller att som		ELEV ADJ. ELEV RIEMA	
na an a	an a		a and a second sec	
				a kanana kan Daga kanana ka
			a da anti-anti-anti-anti-anti-anti-anti-anti-	
na da anna in santa angle na an anananan na si anananga anglesa da naga si si si si	4.39 in	6.05	and an	
TBM 6	5.56 3 5.563	5,28 0 5,283	69.625 PK NA	U ULSE ISRIST
	4,14			in an
			a a a marka and a second a se Second a second a sec	
·····				a second a s
				and the second
		5.55	e e e e e e e e e e e e e e e e e e e	المستهدية من محمد من المحمود المن من المحمد الم المحمد المحمد المحم
TBMT	6.53 0 6.530	4.73 4.730	PK NA	L S EP LAKE SHORE DR
	5.34	3.91		
			an ger an an ger ger an star star star star star star star star	
				n para ang ang ang ang ang ang ang ang ang an
	2.87		a a a dara a dara a dara a dara da dara A dara da dara d	
TBM 8	6.64 7 6.637			
I DIT O		4.15 N 4.947	and a production of the second s	
	3.145	3.75		ان اور می می می بود. با این از ماریخ این با این می اور سوم در می واقع می می در این می در این می از این می می م مرابع می مرابع می
		an a	a se a servicio de la construcción de la construcción de la construcción de la construcción de la construcción A construcción de la construcción de	المسور میشد. این میرود از میرود با این میرود از میرود با میرود در میرود با میرود از میرود از میرود از میرود از استان مسیر میرود از میرود از میرود میرود با میرود با میرود با میرود میرود میرود میرود از میرود از میرود از میرو
······································	and a second		a se provinsi se in a seconda e se a seconda e se a seconda e se a seconda e se a seconda e seconda e seconda e	
- Angersproperty and a specific sector of the	948	5.64		ا چې و مېنېدې بې د د د د د د د د د د د د د د د د د
TBM 9	6.26 7 6.257	4.45 1 4.450		ուցուցութ, ի 10-ին համաքքերին համարտի եվին, մասի կատմանին հանձերիներին մեններին համանական համարտանել էլ էլ էլ Համերիներին էր առաջներին են նարանակությունները համանակին հանձերիներին մեն համանակություններին։
	5.03 N	3,24		
	an a			an a
بر ایران در در ایران ایران میردود. مراجع میرود ایران میرود در میردود و میرود	han pang-akan pang-akan sa kang kang kanan sa kang kang kang kang kang kang kang kan			
				الا المستحدية والا عليه المحلية والمعر معرضي من سنتين المستود المعانية من من المحد المحد التي التي المراجع الم المستجدمة من من المالي المحر التي الإلمان التي المالية المحد المحد التي المحد المحد المحد المحد المحد التي الم
	4.98	6.23	ا دورو میکونی و در دورو از میرون در در در در در این میکونی و میکونی میکونی و در در این میکونی و در در این میکو این این و میکومیونی میکند این اور دو این میکونی این میکونی و در در این میکونی و در در این این میکونی و در این م	المحكم عن على المراجع المحمد التاريخ المحكم التي المحكم التي المحمد المحمد المحمد المحمد المحمد المحمد التي مست المحكم محمد المحمد المحكم المحمد ال
TBMIO	5.16 7 5.160	5.01 5.010	J. I.	
······································	4.54	3. 79		
		<ul> <li>a provide a structure de la section de la sec</li></ul>		
	part commences provide the concept provide the second second second second second second second second second s	en e		and the second
				and the second
W 12 4 1 1	engenerete Weber) de antigenere en			
1 19 19 1 5 E		6.14 3 6-131		
	6.89 5.72 10 4.54	4.9		
أستحصون فسأعد فتعود	ner men er en			
	n de l'entre recentence de la regionne provincie des anagendes provincies que	need to the second and and and an example of the second second second second second second second second second	[11] S. K. M. K. et al. An environment model when demonstration of the structure of the	
+ + + + + + + + + + + + + + + + + + + +	2637 <del>1364</del> 36.464	7462		n na manana fan fan ar na sen er
	-1364 36 4/4			
and the second	anna an	<u>7.506</u> 20.311	metal started to see a construction of the started start	

LOB ADO	16434,09		
DATE	66-30-07		
CREW	SAME		
	BENCH WORK TOHO 15 (LI		
BM	185 MA		
and a construction of the second s			
· · · · · · · · · · · · · · ·			
TBMIZ	5.00 1 5.000	7.14 m 5.96 m 5.963	-74-852 PL NAIL S EP LAKE SHARE DR
	5. 19	4,19	74-852 PK NAIL S EP LAKE SHARE DR
			┊ <del>╕┫╢╷╕╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪╪</del> ╧╧╧╧╧╋╪╪╪╪╪╧╧╝╧╧╧╧╧╋╪╄╧╧╧╧╧╋╪╄╧╧╧╧╧╋╪╋╧╋
	6.63	1.17	╵╧╪╋╅╖┈╧╶╌┝╌╎╌┧┧┶╌╌╴┚╼╌┧╋╼╊╋┲┶┷┥┽┩╎╌╶╴┶╶╌╶╶╶╶╌╴╴╶╶┨┲╌╴┝╶╌╌╴╸╏╶┼╌╶╶┤┥╋╋╋┓ ╽╪╋╅╖┈╧╶╌┝╌╎╌┧┧╄╖┟╼┥╊╍┝╋┨┝╋╌╋╅╅╪╡╌┇╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴
TBM 3	5.44 8 5.457	5.96 <del>3</del> 5.960	
	4.28		
		┍ <del>╸╸╕╶╶╶╶╶╶╶╶╶╶╶╶╶╶╶╶╸</del> ┨ ┝╋╋╅┼╎┨┿┿┿┊┾┿╼╊╓┆╶┽┾╵┍┿┿┼┿┿┪	
		┍╼┲╶╛╴╌╴╼┝╶╴╶╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴	
		6.91	
TBm14	4.63	5.13 N 5.133	
		4.54	┝╋╂┲┨╶╅╼┲┝╶╉╶╝┝╋╋╈┍┝┲╢┾╏┙┝┍╄╼╄╼╊╼╋╼┿╼┿╧╅╧╶┅╌╧╌╝╌╖╼╌┶╶╴╌╶╴╌╸╶╶╌╌╶╶╶╌╌╶╶╶╌╴╴ ┠╌┿┲┲┙╉╶┪╼╫╌╡╵┝╋╶┥╴╴╧┿╃╌╞╶╄╌┼╼╁╼╊╼╋╼┿╼┿╌┿╌╬╵╌┈┥╶╴╝╶┊╶╵╎┶╌┙╴╌┉┥╴╤╅╺┿┿╼╾┿╴╴╼╼╋╴╴┿╴╶╼╧╼╪╼╋╼┿╼┩
	┍╶╦╶┊╕╕┾╶╦╼┿┥╪╶┨╴╊╼╧╘╌╡┸╶╸╪╍┊╶╶╴┍ ┍┶╌╎╌┨╌╤╼╋╼┿╌╎╶╎╌╋┺╎╏╴╎╶┿╼┠╌╎╴┥╼╄╌┊╴╴┍		
	7.35 V	6.64	
TBMIS	6.15 7 6.147	5.41 2 5.410	
	4.94	4.18	
			╞╪╪╪╪┼┼┼┼┼╪╪╪┫┼╌╎╄╬╶┉┥┿╪┽╋╌┝╪┟╋╌╎╌╌╌╬╸╽╶┥┷╅╎╱╇┶╴╡╎╴╡╴╡╶╴╡╴╴╸╸╸╸╸╸╸╸╸╸╸╸╸╸╸╸
			╷╴╄╪╌╬╒╪╶╧╪╪╌╪╶╬╌╬╘╎╴╎╶╞╪┶╪╋╧╪╪╧╌╵╴╧╖╧┶┊╋╪╶┿╖╴╪╌╧╋╪╶┿┲╶╪╋╪╋╋╌╋╋╌╋╋╄╋┿┿╋╋╋┿╋╋┿╋╋╝╴
	5,12 8 5,720	6.44	
TBM16		5.25 <del>5</del> 5.253 4.05	
	5.12		
TOHO IS			
		6.64 2 6.640 1 6.66	74.027 74.022 CAST MON WISFWMD BRASS DISC
	3718		
		311-31-34.959	

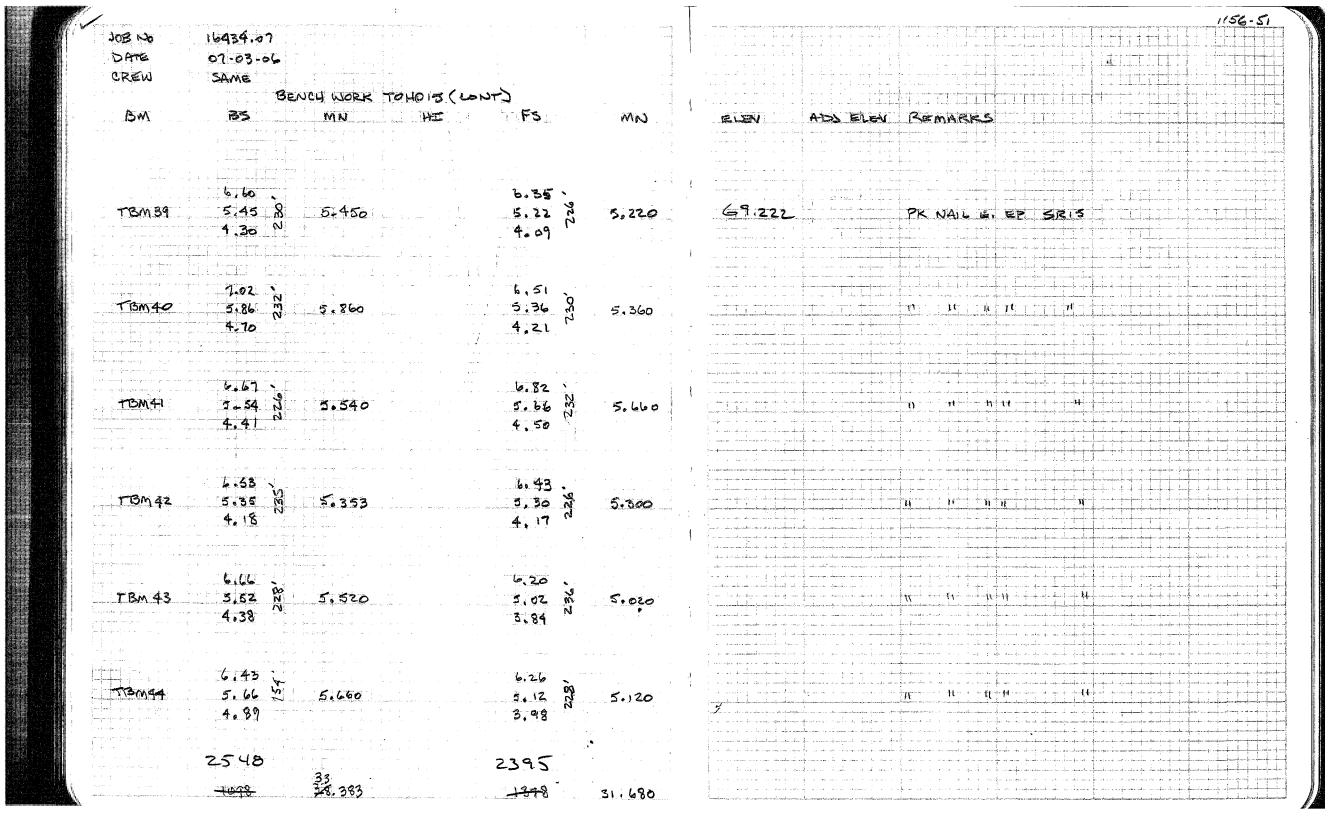
DATE 07- FOR S.T LOCATION LA EQUIPMENT W GREW D BM B	IILD NA 24 Sullivan Ben	D. JOHNSC	LAGO ROD, BUBBLE LEVE						
LOCATION LA EQUIPMENT W CREW D BM B	tice Тоно IID. NA 2# Sullivan Bea	596939, CHIC	LAGO ROD, BUBBLE LEVE						
EQUIPMENT W CREW D. BM B	IILD NA 24 Sullivan Ben	596939, CHIC	LAGO ROD, BUBBLE LEVE			the second product of the second s			
CREW D. BM B	SULLIVAN BEN 35	D. JOHNSC	CAGO ROD, BUBBLE LEVE	,		يلايلانيل والالوام والألوام وال		<u></u>	
CREW D. BM B	SULLIVAN BEN 35	D. JOHNSC	NTR. CRIMA						-
BM B	Ben 35	KIL WORK TOL							
RW B	35	and and the state of the state	(CONT) EI OL	1					
tadaa ah i sa ah kadada dadk		MN	HE	- MN		ADJ ELEN R	C-MARKS	en e	
	1.61 · 6.70 \$		en e						
		6.697	n na series anno series a Anno series anno		74.027	74.022 6	AST MONUMENT W	S. P.W. M.D. DIS	<u> </u>
<b>S</b>	5,78	la sur en el composition de la							
┈┯╴┊┉┊╾┝╸╎╌╻╌┊╼╡┶╅┙╌╧╧╪ ╴┊╶┅╴╪┉╎ <del>┈┇</del> ╸┲╸╎╼	<del>- parte de la composita de la comp</del>		<u> </u>					<u> </u>	
	5,38		6.88	14			الي مايندي بي اليوان العامين العامين. يستاريك أن ما حاليا الأسمامين ال		1
TBMIN 5	5.22 m	5.223	5.96 8	5.963		Cie	( NAIL NO, EP LA	HE SHORE DR.	
	4.01	e de la construcción de la constru La construcción de la construcción d	5,05		· · · · · · · · · · · · · · · · · · ·				
		n an an an an Arthur An Arthur an Arthur							
	e server de la classica. Esta de de classica de como de	eren en la	· · · · · · · · · · · · · · · · · · ·						
6	41.	n an	1.20						
TBM 18 5	.80 2	5.800	6.05 M	6.050		PK	NAIL NO. EP 44	KE SHORE DR.	
4	. 99	<ul> <li>A state of the second se</li></ul>	4.90 N						<ul> <li>A set of the set of</li></ul>
المتعلق المراجع بالمراجع المراجع	ار چار کی کی کار میں کا میں کا میں کا میں کا کا میں کی	· · · · · · · · · · · · · · · · · · ·		-					
اليميريون عليمية والأرمين والمنظ المن الأور أرميكم. الروم والمنظمية الأربي والمنظمة المنظمة	a second seco	· · ·							
	,45		8.01						
TBM 19 5	19 m	5,287	7.70	7.200		Re	NAIL E. EP PACK	ARNAVE	in program and and
	,12		7.20 39 6.39		and a second sec		an de augusta andre a		
•	.51 、		7.28						
TBM ZO S.	. 35 7	5.353	6.12 M	6.117		μ	en a su a s		
++	114		4.95					and average as have been and the second	error i conformatori e de servicio da servicio da servicio de servicio de servicio de servicio de servicio de s
		and the second sec							
<u></u>	. 57		1.32						
CBM 21- 5.	43 00	5.430	6.10 J				11 11 11 11 11	na yana da na yana (na hudanda na na na Na maya da na Nga yana na na na na na	
4	. 29 7		4,68	6.100			and the second sec		
	na managana a sa si s Sa si sa s		an an an an an trainin an trainin An trainin an			на се факция на факция. Спорт на се стати стати и се стати Стати и се стати и се с			
	·	1	and a second second Second second	•					
	98	alan ing ing ing ing ing ing ing ing ing in	the state of the second se						
an an an Anna Anna Anna Anna Anna Anna	1240	33.790	4766 <del>105</del> 4	31,430				· · · · · · · · · · · · · · · · · · ·	

BNO	16484.07						1156-4
1111111111							
1	01-03-06						
RED	SAME		╞╼╤╍╤╍╦╴╪╴╤╶╼╼╼┝╶╦╴╕╺╧╸╴				
	BENG	H WORK TOHOIS (CON-	<b>&gt;</b> ++-+-+-+-+-+++	· · · · · · · · · · · · · · · · · · ·			┝╍┾╸╆╶┾╶┾╶┿╶┿╶╈╺╈╶╣╺╬╸┢╺┇╸┇ ┡╍╋╍┿╶┿╍┿╶╤╶╧╺╨╌╅╺╈╴╋╍╬╺┢╺╈╍┆╶┵╴┊╴┆╴
			ÊS.				
BM	35	MN HS	┝┥┶╞╲╋╤╋┼┿┿┿┥╌	MN	ELEN ADS ELEV		
			· · · · · · · · · · · · · · · · · · ·				
	┝╍┿╌┥╌┥╌┥╌┥╴┥	╶┊╆╬╋╧╋┈╧╋╌		┼┼┼╌┼╌┥╌┼╾┼╾┨╼┨	╼╪╾┿┈┊╷╎╶┊╶┊╶╌┈┊╶┈╶┊╱┈┊╺┑╴╪┈┿┈┿┉┿╾┿ ┉╡┈┿┉╪╌┊╴┊╶╧╺┾┱╪╍┿╌┿╌╧		
						┿╍╬╍┼╶┽╌╅╍┿╍╪╌┼┾╏╦╧┿┊┊┝╶┾╸╪╶┾╶╇╸	╞╍╛╌╁╌╉╌╋╌╋╌╋╌╋╌╋╴╋╴
	7.29		60811				
TBM22	6.12 X	6.120	6 - 877 .	51133	70.654	PK NAIL WEP PACILA	AVE
	4.95 N		4.00				
			·····	$( \cdot \cdot$	and an and a second sec		
		enternationalista de la construcción de la constr				┊╶┋┽╴┲╌┠╌╄╼╞┯┽╸┠╌┼╼╼╋┍╃╴╌╸╋╺╋╴	┝╌┋╴╋╍╋╍╋╌╃╴┽╴╋╴╇╴╪╸┿╺┶╌┶╌┷╴╴
╞╼┟╌┟╴╁╴┼╌╄╶┨╍╎				>	- 1		┝────────────────────────────────────
	6.95		6-13-			┊╶┋┥╴╋╶┥╴┍┑╎╴╵╴┝╺╋╴┥╴┥	┝╍┲╍┲╍┲╼┲╌┲╌┲╴┲╴┲╴┲╴┲
TBM 23	6.09 2	6.087	4.96 X	4.960		N I N I N I N I N I N I N I N I N I N I	┍┿┿╵╇╋╼┾ <sub>╍</sub> ╋╺┯┲╧╸╋╴╋╴╞╌┥╶┥╼┥╼
	5.22		A A N				╘╍┾╾┝╍╞╌┝╴┝╸┇╺┝╸┢╸┊╶┝╸╎╴╎╸╎╺┝╸┝╸┝╸
┟┥┥┥┥┙							
						┍╴┲╴╓╶┽╶┋╼╷┈╢╺╪╶╬╌┑╌╧╋╋┿╋╧╸┲╍┝╼╼╧┝╶╧╴ ╈╍╋┲┾╾╎║║╎╫┼╋╌╋╼╧╼╋╅┼╎┝╋┥┥┙┍╍╍╼╼	╞╸╋╶╄╌╞╌╞╌╞╌╬╸╬┈┠╌┝╴┊╌┠╷╁╴╦╸┝╸┝╴╽╴╎╘╷╩╸
┼┽┿╋							┝╌╊╌╋╍┝╴┝╌┲╌┩╌┝╾┲╼╋┅╋╸┶╴╞╍╁╴┽╴╧╸╶
	8.01		5.91 -	╴╴╴╴╴			
FBM 24	6.87 12	6.813		5.040	╺┶╋╼╋╼╋╸╋╺╞╴┍╴┍╴╋╺╋╴┝╴┥┓╸┥╴╢		┝┽╶╪╌╪╼╪╼╪╼┊┥╴╄╸╪╸╪╸╪╸╪╴╤╴╤╴
	5 74		5.04 2		understander der standen bereiten standen bereiten standen bereiten standen bereiten standen bereiten standen b		┝╼╈╴╪╾╬╼╬╍╬╍╬╍╬╌┊╴╠╴╎╴┝╌╢╖┟╸╎╺╴╴╴
			4.1			╆╌╬╌┊╍╞╼╎╌┽╼╞╸╞╌╤╍┅╴┊╴╋╌┡┶╋╸┝╌╍╴ᢤ╸┻╍┶╼╋╌╴ ┿╶╋╌╈╌╃╴╶┾╍╋╍╤╶┝╼╃╼╌╌┽╴ <b>┢╍╈╴┼╴┶╴╴╅╶┥╴┥╴</b>	
den fan de service als de services and de serv Norder als de services and de s	,			┊╴┽┈┊╼┽╌┿╼╡╶┿╍╪╍╋╸┥╵		┾╍╬╌╁╌┼╍╼╸┊╴┲╶╅╌╞╴┾╸╋╴┼╴┝╶┾╴┾╴┿╺┿╸╸	
<u></u>							
			5.19			<u>╞╶╞╶╞╌┼╌┍╶╞╶╠╌┼╶╋╺╁╺╊╺╁╸╁╺╁╶</u> ╷╴╷╴╴	
·			Ver Va				
TBM25	6.57 X X X X	6-567	4.07 N	4.067		PIS NAIL NO. ET DE	ER RUN RD
╬╾╍╞╾╶╬╴╼╬╼╍╋╼╍╞╶╶╬╍╍╬╼╍┿ ╪╴╍╞╾╌╎╌╍╪╍╍╋╼╍╞╴╶╬╍╍╬╌╍┿	5-42		2,94	╷╶┤┄┿╼╄╌┿╌┽╶┦┄╅╺┱┱┛ ┟╌╁╼╅╾┠╴┼╌┥╺┧╺┶┱┱╋┛┨			╾╄╌╪╴╆╍╅╌┠╌╪╌┇╴┟╸┇╴┇╴┇╸
				┊┨┽╁┼╡╞┼┼┫╵			╶╶╴╸╸┿╌╪╌╪╴╪╶╪╴╪╴╪╴╪╴╪╴╪╴╪╴╪╴╪
	····	╸╪╸╼╴┊╴┉╴╴┊╴╼╪╴╶╪╴╴╒╺╪╶╋╸╋╴┲┝╌╗╌┿╸╋╍╋ ╼╾╄╴┊╴╺╪╴╼		┆╶╎╴┝╶┆╸╡╺╎╶┤╺┨╹			╶╶┼┼┟┊┊┿┶┿┿┯╅┚┊┼┽╶╸╴╸╴
	6.32 -		5.89				·····································
TBM ZG	5,12 f	5,120	4.74 %	4 74-3			<del>╶┼╌┟┝┼<b>╿</b>╠╆┽╎</del> ╍╋╼╊╌┼╌┼╴┾╶┽╶┽╴┤
	3.92 N		3,60 N		┽╆╀╃┝┊┝┲╪┪╎┝╘┲╸╋╼╍╾	┊╴┋╶╋╺╋╼╋╌╢┈╄╶┽╴╧╌┥╧╋╋╋╋╋╋╋╋╋	
					╾╋┿╋╼╋╶╋╶┲╴╗╌╧╺╋╍╋╺┲╶╤╴╪╺╋╼╋╶╦╶┯╼ ━┿┿╋╼╉╶╋┲╦┎╶╧╴╦╍╦═╋╶╋╶┛╼╌╒╴╤╴╞╍╶┈═╸		
		· · · · · · · · · · · · · · · · · · ·	┝╼ <del>╕╺┠╺╋╼┥╶┝╸╕╶╎</del> ╶╿╸ <sub>┢</sub> ╶ <mark>┠</mark> ╺	┼╺┽┈┾╌╎╌┾╺┿╸╵╷┽╍┥╍┨╷║ ┽╶╎╍┼╺┽╶┿╌┿╍┿╌╵╺┿╍┥╸┨			╶╪╶╅╵╪╍╪╪╸┾╸┝╴╪╶╉╶╪╶┟╴╢╺╞╴┊╞╴
		in the second		┟╶┤╌┥╌┽ <del>╹╹</del> ╡╶┤╶┥╼┽ <del>╹╹</del>	(1) E. C. M. S. S. K. M. S. M S. M. S.	°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°°	· · · · · · · · · · · · · · · · · · ·
	6.46		6.75	┝╍╉╼╉╼╉╼╤╡╌╡╌┆╴╡╌╞╼┨ └╶╉╼╏╼┲╼┼╼┽╼┽╶╁╌┨╸┨			
TBM 27	6.46 5.31 8	5,310	6.75 V 5.55 F 4.35	5.550			
	4,16 1		a ze N		and a stand of the second s		╾┾╴┾╴╫╴╧╄╍╎╼┥┥┥┑╉╺┥╴┥╴┥╴╎╴╎╴╎╸╎╴
	7.6.19			┝╌┢╼╈╌┫╼┥╌┟╴┥╶┝╼┫╵			
						<ul> <li>Starting and the second s</li></ul>	╌╪┈╪╌┾╶┾╌┿╶┿╴╪╌╄╶┧┉┿╌╋╼╄╼╬┙╪╶┇╴╽╴┇╴┾╴
╡ <del>╶┇╺┇╸┇</del> ╺╡╼┥╼┤╌╵		ىسىدىيەن ئىلەر ئەيدە يەممە بورىق بۇرى ، ئەرمە ئىسىسىمەرمەر بەر ئىلىمار بارىمار يەر ئەر ئەر بەر يەر ئەر ئەر بىرى بىرى		╪╺╪╶┾┉┽╶┾╼┾╺┊╴┶╍╘╺ <mark>┥</mark> ╷ ┊╶╛╶┵╶┥╶┥╶╕╸╕╺╖╘╶┛			╴╪╌╄╍╞╼╪╌╪╼╪╌╋╼╋╌╋╶┥╸╊╴╄╴┡╶╟╸
<u>┤</u> ╾ <u></u> ╡╍╋╍ <u></u> ╡╷╡┈┊╌╕╾╉╸┯	6331		6095	· · · · · · · · · · · · · · · · · · ·		┶╌┚╴╴┲╌╉╴┑╶╝╞╌╔╌╔╼┲╌╉┝╴┻╌┯┥┲┲╶╋╌╋╶╸╖╶╡ ┿╌╋╶╦╍┲╌┋╌╃╴┍╌╋╴╊╌╋┝┠┉┠┉╅╺╋┉╉╺╉╴┢┉╔╖	· [· ]· ]· <b>J· ↓· ↓· ↓· ↓· ↓· ↓· ↓· ↓· ↓· ↓· ↓· ↓· ↓·</b>
La Calendar de la compara d		36.077	a an	30.093	ويراجهم أأطأ والمرتج والأرجار والجاجر والراجا	· · · · · · · · · · · · · · · · · · ·	

٧.

BNO.	16439.07						en en la seconda de la seco La seconda de la seconda de	n al an tha an tha an an tha an t Tha an tha an	n gana (1997) an an ann an ann an an ann an ann an an	2 · · · · · · · · · · · · · · · · · · ·	1156-
2ATE	07-03-06					•		•	an a		
REW	SAME								e de la companya de l La companya de la comp		
· · · · · · · · · · · · · · · · · · ·		SENCH WORK	TOHO-IS (CONT)		And a second			Elektrer	, ) m to in protono a colomposition		
BM	35	MN	HE	<b>1</b> 64	MN -	1		4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
			den den sjene je kaliter (1997) og se kaliter (1997) og se kaliter (1997) og se kaliter (1997) og se kaliter ( Na se kaliter (1997) og se k	<b></b>		ELEV	adje lev	REMARKS			nanta la
						, -				n an	
				alle la Nationalis	a ta ang			· · · · · · · · · · · · · · · · · · ·	in the second		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	6 28 5			1 12		1	alaa ah	i i i quert i i	ىر بى يېتىمىنىدى مۇ تېتىچە د ب	ې پولانې د ده و او مونځو د له د او د سو او د د د	a an in a su
TBM 28	S LA N	5.097		1.18	6.027		+		a talan an a	julii li i i i i	 
	6.25 \ 5.10 m 3.94			. 87 N		76.34	A last the last of	PK NAIL	16 EP DEER	RUN RD	
╪╪╪╪┾┿┿┿┿ ╷╶╢╺╢┾╺┝╼┿╺┽╸				• • •				a da ante a composition de la			the second second
						t ·		a shi u nin tawaran Ta	a <u>ha na na sa</u> n sa		
	+		la se se se se se se terre Para Vara e la se la segui	40			 		n <u>a an</u> a se a s		
- BM 29	6.87 V	5.693	1 + s 1 + e e − − 1 + ± ± ± ± ±. • • • • • • • • • • • • • • • • • • •	· 72 .	5.563	. 2		14 41.	1917 - Harrison Alexandri		
	4.52			· 41 N	2.000	4 4 1					
┾╍┿╍┿╍┾╍┿╶┝╸┥╍ ╅╍┝╴╇╶╤╾┟╸┾┉┠╺				τφε.ι, 							
╎╴╈╌╇╸╈╸╈╍╉╶╶╴╴ ╪╴┱╺╉╶╊╸╈╸┲╴╏				and a state of the					1		
					······································			ананананананананананананананананананан			
-Russa	5.09 3.91 8			N L	السوان شده و د و استو <b>سو</b> و د مهمه	1	• <u>*</u>		2 C C C C C C C C C C C C C C C C C C C		
TBM30	2.13	3.910			5.017	. 3		i li H		and the second s	
	4.12			.84		•	<del> </del> -				
						. •					
						<b>i</b>	· •			· · ·	
	5.96 4.83 N	4.830		.53 m		· 1					•
TBM 31	4.02 N 3.70 N			153 m 5,35	6.530	•		N H	W. Harrison (1977)		
				, 99		í.	t				
				n an		I ·	•				
				i da ana da				<u>.</u>	and the second	<ul> <li>An optimized and the second sec</li></ul>	
BM32	6.68	5.963		. 46 . .33 N	5.323				6) *#} <u>*</u> - 4}		
M 36	× 10 ×	3,7182		133 N N	0.553			LT II Constant	Nishi —g-g-g- ⊨ Al		
						-		ν.			
				ana an là				х.		an a	· ·
											4 - 4 
	5.89		, <b>.</b>	· 63 5		l	• •				
TBM 33	P. P. P.	5,890		191 R	6-913			toed hub	N.E. PART D	F FIRESTATIO	NITIT
	5,66			120		1	··· ··· ·			ti transi	
						•			• · · · · ·	n an	an an an An Daoine. An an An Anna An
	7448		ר .	396						a.,4.1. a. :	
			and the second		1. State 1.					· · ·	· · ·
a da an		31.383	and a second contract of the second	301	36.383		1 g 4			-	

3ND	16434 07																1156	
	07-03-06			┊━╉╍╎╌╎╴┊╍╡╴┼╴┊╴╴														
						-									- i	╁┤╌┟╌┨╺┠╌	╆┿┾┾┙	+++
CEIN	SAME																	
	SEN	HWORK TOP	10-15 (20NT)			t												
BM	BS	MN	HI	FS	MAL	•	ELEV	Ab	VELEV	Re	MARK	5				+ + + +		+++
				<u>}</u>		· .												
																		<u>i</u>
╶┾╍┟╍┼╸┾╌┼╼╁╍╆╼┟			┿┲┥╴┾╍╈╴┿╍╪╸╪╸╡╸╎╸ ┿╾┿╼┿╍┶╼┶╴┿╴	╊╼╋╾┾╶┾╶┼╴┝╸┽╴┡╴┝	╌┼╌┾╌┼╶┼╾┧┄╆╸┢╼┾╍┫ ╴┞╴╷┰╌┼╌┼╌╆╺╅╼┝╍┿╍┫					1 1 5	GS D				s 570			+++
						1				1	61.540	ed e	LEN.		,06	NAND	\$8	+
	1.65			6.55									<u>                                      </u>					
B576	7.02 1	7.023		6.30 K	6.300		71.071		11,06	NE	5 FLAN	JGE EN	LCASE	D RC	5			
	6.40			6.05			+0.01		┝┟┊┝┟╸	FL	ANGE	STAM	PED	BST	6	+++++	+-+-+-	+
			+++++++++++++++++++++++++++++++++++++++	446 ENDR							894		1 1 1 1	1 1 1 1 1				
		╺┲┲╪╌┟╌╪╶╶┝╶╪╍╞╍╊╍┊╌┾	┿╼┿╍┿╍┿╍┾╸┼╸┾╍╏ <sub>╋</sub> ┯┿╍┿╸			i				and the second s	المستعمية							
╶╪╼╞╼╞╌┊╴┊╴┊╸┋╸╡		╺┥╼┼╌┼╶┼╍┾╍┾╍┾╸┿╸┿								H¥Z.	851 X	0 03		2.9 B	9 41	GULADI	= <u></u> <del>4</del> <del>1</del> <del>K</del>	<u>.</u> K
	5.77			6-71 - 5-08 N		·							+ + + + + + + + + + + + + + + + + + +		++++	++++	+++-	+++
BM 34	4.63 N	4.633	┾╍┝╍┝╍┝╍┝╼╞╼╞╼╞╼	6.08 0	6.083					<u> </u>	NAIL	ELE	P	SRIS		┼┼┼┼╴		+++
	3.50			5.46		3							-				++++-	++++
+ + + + + + + + + + + + + + + + + + + +						÷.												
			┿ <del>╽╏╹╹╹╹╹╹╹╹╹╹╹╹╹</del>										+					+++
	6.72 .		┶╋╍┝╺┾╸┥╶┨╌┝╼┿	1.10		ł.						┽╍┾╸┼╺┼╸					+++++	++++
BM85	1.57 N	5.573		5.97	5.970				┶┿┿┿	<del>│─┤─<u></u>┃┥┤</del>						┶┿┿┿		
	4.43	╾ <del>┥╺┝╼╞╼╞╼╞╼╞╼╞╶╿╶╎</del> ╌╎ ╾┽╍┿╼╋╸╋╸╋╸╋╸╋╸╋	╪╍╬╌┾┅╬╴╬┉╠╱┾╌╢╴╎╴ ╪╍╬╍┉┊╌╬┈╆╵╎╴┆╴╎╼╞╍╅╼	4.84 N														
													+				+++++	+
						,												11
+++++++++++++++++++++++++++++++++++++++	6.24			6.43		1												
3m 34	N														┈┼┼╌┼╌	┼┼┼╉╴	++++-	+++
D11 34	5.07	5.013	┶╍┿╍┾╍┾╍┥╍┥╼┥╼╉╼┾╼┾╍	5.28 N	5,283				┉┝╍┥╾┥╍┝╍	╶┼╍┟╍┼╍	┿┿┼┿┿	┝┼┦┼┼	+					+
	3.89		┶┾╍┼╍┥╌┥╴╢╴╏╴┪╼┼╴	4.14		i												
		┈ <mark>╎╴╅╼╪╼╪╸┊╴┊╴┊╸┊╸╪</mark> ╸╪╸╪		╎ <del>╴╎╶╎╼╎╸╎╸╎╸╎╸╎╸</del> ┟ <del>╸┥╺┥╺╎╸┝╸╎╸┊╸┇╸┇</del>		e C											+	+++
							┠╌┽╌┟╌┠╌┥╴┥╸										++++	+++
	5.54 -	╺╋┥┥		7-562														
BM 37	4.54 8	4.540	╺ <del>╸╸</del> ╴╴╶╸╴╖╴╷╴╡╸╽╸┝╸		6.377													
╺╦╲╌╲╶╩╶╟╌┼╌┼╴┼	3. 54 N		╈╪┿╼┾╾┥╾┥╼╋╼┾╍┾╸	5, 19 N			┟┉┽┉┽╼╄┅┞╶┼╍┿╌┽╼╸		╈╍┼╍┽╍		┿╍┿╍┾╌┞╼	┼┼┼┼	╋╍╂╌╂╌┼╍	+	╍╊╍┼╾┾╾┿	┥╍┝╍┝╍┝╍┝╍	┿┽┿┿	┿┽┥
			╈╍┝╌┝╌┝╼┲╋╋╋	5.19 N														$\mp$
		╺╅╼╆╾┼╴╽╴┿╴╉╌┠╌┠╴	┼╌┽╸┾╸┝╸┝															
		╾┾╾╊╍┼╾┿╍╉╸┊╴╞╸╋╼┧╌┾╸ ┯╉╶╋╼╋╼┽┥╶╞╴┯╸╈╼┨╶╁╸	**************************************							┝╍┟╍┝╸			+ + + + + - + - + - + - + - + - + - + -	┼┥┼╊┥			+++++-	++
	6-45		┟╁╋╈╋┿┿╋	6.07	┝╺┼╺┽┈┽╌┽╶┿╺┿╺┥	ł						┼╌┼╌┠╴┼╌┼					+++	ŦĦ
Bm 38	5.32 3	5.323	┿┥╋┊┾┧┾┪┽┯	5.07 8	5.070						- ti		┿╍┿╌┾╍┾╍					
	4.20		<del>╺┟╾╡╾╡╍╎╍┥╍</del> ╞╾┾╶┾╶┾╶┿╼╸ ╪╍╁╴┼╶┟╴┼╴┾╴┼╴	4.01									<u> </u>			╈╧┼┼╄╸	+	+++
				4.0				1 1 1 1 1									$\square$	+++
			┫╋╋┥	┝╴╁─┟─┟╴┊╶┟╍┟╍╽┉┟									<u>† -     -</u> -	<u>┼</u> ╋╸╄╸┨╶┤ ┿╼╀╌┩╼╋╼┥	<u>╶</u> ╪╌ <i>╡</i> ╺╪╼╪ ╌╞╶╞╼┝			
╼╼╞╾ <u>┤</u> ╶ <u>┤</u> ╶┤╸┥╴╋┈┤ ╍┨╴┧╾┥╍╞╸┽╶┥╾╋╺┥╸	<del>╶╼╸┝╶┝╸┝╶╎╶┝╺┽╸╎╶┠╶┥╸</del> ╍ <del>╪╶╎╶┥╺┥╺┥╺╎╴┣╺┥╸╵┣╺┥╸</del>	<del>╺╡╶╡╴╎╸╎╶╎╶╎╶╎╶┇╶╎╸╽</del> ╺┤╶┤╴╎╴┤╶┼╶┼╶┼╶╄╺╁╸╎╸	╊╾┠╶┠╶┠╶╢╼┿╵┢╸┨╶┠╍┝╸ ┾╍╁╌┠╶┧╾┽╸╞╸┧╶┨╸┠╶┟╸									┼┼╊╎┥						
				the second se										++++				
	1243	32.165		1019	35.083													



ots No Ate	16434.07										
REW	SAME			····· · · · · · · · · · · · · · · · ·							
		NCH WARK TO	In 18 Caning	×		ار حجم مع مدارد از ایند از مارد از ایند. ۲۰۰۹ میلی میلی میلی از ایند.		╶┶┶┼╼╂╼┽╌┼╌┝╌┲╌┲╌╌╼╌┧╼┥╌	╺╶╦┈╤╾┿╾┊╴┊╴╸┊╴╴┊╴╴┊╴╴┊		+
Bm	185	NCH WORK TO	HE	FS		ELEV	ADS ELEV	1215000 2000	┝╍╃┵╄╍╏╍┠╍╏╌┢╌┟╶╏╶┡╴┢	╾╊╾┥╾┼╍┼╍┾╍┾╴┽╶┤╴┤╴ ━┿╾┪╼┽╺╅╍┾╍┾╵┼╶╄╴┾	
					MN		NUS CHEV		┍╶┥╾┊╾╞╌╡╌╡╌╡╌┥╌┥╖┥ <mark>╸┥</mark>	╺┽╾╃╾╪╾╪╾┿╴	
		┥╾┝╍┞╍╏╼╎╼╏╶┼╌╎ ┽╌╎╼╎╴┥╶┼╍┝╼╏╍╎╾╏╴╷	╴┝╍╞╍╞╴┎╶╴ ┝╍╄╸╽╶╧╼┽╵╽╴╶╺╼┾╸┯╸	+	······································						╌ <mark>╞╍┊╶<mark>╞╶</mark>╄╶╄╍╇╌┊</mark>
		╶┼╾┾╴╬ <del>╶┊╶┊╍╞╍╞╼┊╴┡╶┊╶</del>									
	5.35		╸ <del>╹</del> ╴┝╶┝╴╶╴╸ ╌┾╸┝╴┎╴┾╴╶╴┱╺┿╼╋╍┾╌	6,22 、		· · · · · · · · · · · · · · · · · · ·					<del>╺╪╍┊╴</del> ┝╴╪╍╪╼┿╶╪
TBM 44		5.023		5.45 10	5,450	70.695		PK NAIL E E			
	<u>5.62</u> 4.7A			4.68						╺╼╪╾╋╼╋╼╋╼╪╍╧╼┾╍╬╍╬╸ ╾┽╴┱╌╢╴╋╶╕╴╛╴┅┥╸╋╴┦	
	2613					·····				·····	
					· · · · · · · · · · · · · · · · · · ·			NGS DATA	SHEET C	516	
				5.34				PLBIISHED	EUEN. = 70	66 MAND	- 88 -
0 576				5.03 -	5.033	70,685	70,66	RND CMOD WIN	GS DISC STA	MPED CT	576
				4.73		+0.625					>= 2
╺┼┼┼┼┼┼┽┿				2610				5223 - 52			
╶╈┿┟┿┿╋								223752	80:0.48		
	╺ <del>┼╴╎┈╞╺┡╴╎╶┥╺┨╺╿╺╿╺╎</del> ╶┤╶ <del>┥╹╏╵┥╺╽╺┥╸┩╶┥╸┥</del>	┶ <mark>┥╪╶┟╴┧╸╅╸┥╸┥╸┥╴</mark> ╴╴╴╴						VO.989 XO.	03-0.030	> ANOLIAD	ie err
┝╍╪╼┼╍┼╍┼╍		╾╋╌┼╼ <u>┧╼╎╴╎╴</u> ┊╶ <u>╞</u> ╶┝╴┊ ╈ <b>╌┧╼┥╼╎╴╎╴┊╶┊╶┊</b> ╴┊		┽╌┞╍╏╍╏╍╢╼╎╌┝╍┠╺╋╍╬╸╬╸╎							
		╋╍╫╍╫╍╫╍╫╼┝╼╌┟╌┟╌╁ ╹╋╍╫╺╟╍┨╼╫╼┝╼┝╼┟╴┧╴┽╼╁	╋╍┊╌┊╌┊╼┲╍╌╌╴╏╴┊╌╴					┝╍┋╍╃╍┲╌┥╼╌╴╋╼┼╸┿		─ <del>───────────────────────────────────</del>	<u></u>
╺┼┼┼┼┼	┿╾┥┧┝╾┦┧┿┙┤┿╋┾ ┥ <del>╎┍</del> ┽╎┿╃┟┱╋┼╴	╋╌┥┙┥╍┥╌┥╴┙╸┥ ┾╴┥╶┥╶┥╴┥╴┥╴┥╴┥╴┥						┝╴╋╾╪╌┞╶┊╴╆╴┝╸┆╶┾╍┊╾┯╴┥╴┾╴	<u>┥─┊─┼─</u> ┿─┿─┿─┿─┿─┿─┿─┿	╺╧╺┵╸┝╼╪╶┠╶┿╼╋╼╊	
╶┼┿┶┶┶┶┊┿╌┿╸	╶┲╼श┄┝╌┾╼┝╍┝ <del>╸╞╺┝╸╡╶╋╶┝</del>	╺ <del>┡╍╏╸╞╺╞╺╞╺╞╺╞╺╞╸</del> ╋╴ <mark>╏╸╊╺╋╺╋╶┠╶┧╸┓╴╎╴┠╍╞╸╁</mark>	dente de construir de la cada de la construir d Herritor de la construir de la c		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	╎╷┶╼┅╷╎╸┵╍┧╶┩╼╂╴ <del>┇╸</del> ╏ <mark>╞╶┨╶┪╵┼╸┽╼┾╺┼╺┿╼╋╸</mark>	┞╍╏╌┊╴╪╶┵╶╧╴┊╴┵╌╬╌╨╍┵┉╢╼┊╺ ┢╍╊╍╊╍╊╍╊╍╊╍╊╌╢╴┥╼┊╸	╩╶╧╌╪╾╬╴╩╌╡╾┖╌┵╾╇╌╬╌╢ ╣╌╅╌╉╌╉╌╉╌╋╼┱┲╼╄╼╋╼╉╼┦╌╎	╶╶┧╾╧╌╵╧╶ <del>┇╶┇╸╞╍┇╸┥</del>	╾┼╾┊╌┊╌┊╶╷┿╌┠╶╴┤ ╾┤╌┋╼╞╼┑┥╌┾╼╂╌┤
	╸ ╸╎╺┝╍┝╼┝╼┾╺╄╺╊╸╋╴┥┈ ╸╎╍┝╼┝╼┝╼┾╺╄╺╊╸╋╴┥┈	┿ <del>╕╕┍╶╎╴╎╶╡╺┥╺╎╶╡╸</del> ╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋				·····································		┝╍╊╼┾╍┾╍┾╍╎┼╴┽╶┽╶┽╍┾╍	╡╺╋╸ <sub>╏╴</sub> ╺╋╺╋╺╄╸╄╸╋╶╄╶╶╋╺ ╤╍╎╺ <i>╃╴</i> ┎╉╺╋╼╋╺╄╴╋╴╉╺╉		┉┼╴╂╴┠╸╂╺┽╴╊╍┥
										── <del>──────────────────────────────────</del>	╍╪╴╞╼┞╼┾╶┿╍╄╾ ╾┥╼╄╍┞╼┿╺╄╾╄╾
		<del>╡╺╏╺╡╺╡╸╡╺╎╶┝╺╬╶┊╶┆╸┆</del> <mark>┟╌┞╌┼╶┧╶┟╶┼╶┼╴┤╶┧╶┼</mark> ╶┤				· · · · · · · · · · · · · · · · · · ·			╎╌╵╴┊╾╵╾┶┯┶╍┟╼┊╶╬╌╬╶╬	┍╌╁╼┽╍┽╶┽╶┽╼╺┽╍╶┽╌ <b>┽╶╶┦</b>	
										╼ <del>╕╸╪╸╪╸╞╸╞╺╞╸╡╸┥╸╣</del> ╶╪	
+++++++++++++++++++++++++++++++++++++++											
╺┼╶┽╶┼╶┼╴┥											
╺ <del>╞═┦╶╏╺╎╺┝╺┊╺┠╸</del> ╧╺┽╶┾╶╎╺┊╶╂╺┿╸	╪╍╄╍╄╍╄╼╄╼╄╼╄╼╋╍ <mark>╞</mark> ╍╄╍										
						· · · · · · · · · · · · · · · · · · ·					
+		╋╾╋╍╇╍┽╌╪╌╅╌┇╌╋╍╋╍┿ ┦╌╞╍╋╍┿╍┽╶╎╌╋╍╅╴╢╴╋╍╋╴	→ → → → → → → → → → → → → → → → →		·				┟┉╡╍╡╍┽╸┾╾┽╴╵╴┞╾╋╸┥╶╸		
		┼╍╊╍╋╍╈╌╅╌┟╼╖╌┊╺╞╼┿╾┽ ╋╍┾╍┥╍┽╶╬╌╡┈╞╼╋╍┽╴┼╸	╆╌ <u></u> ╞╴╎╶┵╶╃╍╷╍┷╶┽╶╅╼╡ ╬╍╋╶┰╺┶╵╵╷╶╪╼╴╶╃╼				······································	╺╾╋╌╋╼╋╼╂╼┾╴┉┈╽┈╞╌┥╌┤╴╉╴╉╴	╡╶╅╶┼╸┼╴┼╌╡╼┽┈╋╺╶┽╶╶ ┽╶╅╍┑┟╍╍┝╍╋╍╉╴┽╌╂╶┨╌┟╶	┼╌╀╌┼╌┼╌┼╌╁╌┧╼┠╍┠╸┧ ┼╴┧╶┽╼┽╸┟╼╋╾┨╼┝┅┠╌┧	
								╪╾ <del>┇╴╞╍┥╍┥╸</del> ╼╶┠╴┄╶ <u>┦╾</u> ┵╶┥╼ <mark>┠╶</mark> ┿╴ ╦╌┫╾╋╶┿╌┨╴┦╴ <u>╿</u> ╴╶┍╸╷┈┥╺╋╶╋	╡╶╅╍╬╍ <mark>┽╍┽╶┽╶┊╶</mark> ╋╺┿		
	╬ <del>╶╞╴╠╺╞╌╠╼╞╶╞╶┊╶╡╍</del> ╸ ┥╴┝╾╎╺ <mark>┝╶╎┥┥</mark> ┙┥╺┥╌╍┫┥┥╸	┡╍╼╆╼╍┾╍╍┽╼═╎╌ <b>┼╌</b> ┊╴╌┼╶╶╎╌╷╎ <sub>┙╸╸</sub>	┫╍╍┧╍╍╞╾╶╡╼╍╧╺ <sub>╘</sub> ┍╌╦┥╌╏╴╏╺╍┥╴╴ ╞╍╶┫╌╌┨╴╌╞╴╺╒╸╼╕╸╴┝╴╴╏╺╍┥	and the second se		└─── <b>─────────────────────────────────</b>			<mark>┩╌╄╍╃╍╃╍┽╍┽╍┽╍</mark> ┿╌┥╌┫╶┩╶	┟╌┟╼┇╼┠╌╀╌╀╼╋╍╊╌╄	╾┥╺┼╍┼╍┾╍┾╍
╺╋╼╆╼┧╼╆╶╢╍╍╸╆╶╸ ╶┼╍┝╼╅╼┼╶┥╺╫╶╆╌╴		┝╍┼╶┼╶╁╶┽╶┽╶┤╼╬╼╇╼╡╴ ┽╴┿╍┠╼┲╼╅╺╄╼╤╼┯╼╉╺┽╼┾╼				· · · · · · · · · · · · · · · · · · ·		······································	*		╾┽╶┦╶┤╼┽╌╄╼╀╼
				╾╍╆╼╍┿┈╼╄╾╶ <sub>╋</sub> ╌╍╞╌╶┿╼╼ <u>┝</u> ╌╍╋╼╍┟╼╍╸	······································	· · · · · · · · · · · · · · · · · · ·					
	╴ <del>╼╶╷╼╸╏╺┝╺┝╺</del> ┝╺ <del>╋╶╘╺╡╺┍╸</del>	┝╺╪╍╃╴╄╶┾╍┥╶┿╴┿	╋╼╇╼╉╾┽╌┼╶╴╼╶╋╼╧╼┾ ┥╵┩╶┧╌╛╴┪╍┱╾╆╼┠╼┧╼┽				l	┿╼╋╍┯╍┲╍╍╍╶╴┾╍┿╍┿╍╋╍┲┿╍ ╾╴┼╌┿╼┥╌╋╼┆╶╉╼┵┈┱╶┵╼┥┅┨╍┷	المحاجب فالمحاجب فالمحاجب فالمحاجب فاستخد الألا	┝╍╁╌┼╌┼╼╄╌╋╍╋╍╉	
		┆┲╞┽┲┽╉┽╅┿	<u> </u>			(1) The spectrum state of the spectrum spectrum state	والمراجعة والمشارعة المسترجعة والمراجعة والمراجع		المراج بطهير فيستعسمها الانتراب وتترج راج	··· 4	· <del>· · · · · · · · · · · · · · · · · · </del>

	· · · · · · · · · · · · · · · · · · ·	1163/45
SAME CREW		
7/27/2006		
TOHO 15 REDO		
BM BS MEAN HE	ELEV. ADJ. ELEV. REMARKS	
<u> </u>		
BM TOHOUS 6.42 M 4.420	74.022 POURED CONC. MON. W/S.F.W.M.D. BRA	SS N#SK
	NIAND 88	
19.26		
3.46	3.23	
WELL PETEN 3.29 M 3.293	3.07 M 3.067 77.375 77.377 2" PVC FIPE IN ALUM BOX ON 8" PVC	PIPE
3./3	2,90 INCASEMENT HIGNO 25	
9.88	9,20 78.40	<b>4</b>
		TO NAVO 88
	<u>680</u>	
BM TOHO IS	665 M 6650 74.022 REVED CONCIMON. W/ 5, FWIMID, BEAS	S DISK
	650 - D. GOY - WAND 88	╺┿╼╊╤┿╍┿╌┿╌┦╴╴╴╏
	19.95	
	┫╾┫┙╴┽╶╎╴╡╴┚┥╴╴╪╌╌╴╪╌╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴	
		╾╴┟╋╋╌┝╌┝╌┝╌┝╴┾╌┥
	╋╌┼╪╶┼┼┼┼╎╄╎╄╎╊╎╊╎╊╎╋╎╋╎╋╎┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙	
		┝╶╄╍╋╌┝╌┝╌┝╴╢ ╍┨╍╋╶┧╴┠╶┽╍┼╍╄╍┼╍┽╌┽╌┨
		┝ <del>╶╞╺╊╍╪╴╞╺┥╸┿</del> ╌┿╌╎╌┼╶╉ ┝╍ <del>┥╍╗╍╪╸╞╺┽╍╪╍┿╍╡╍╁╸</del> ┼╶┽╾┩ ╻
		┶╍┼╍╄╍┾╍┾╍┾╍┾╍┾╍┾╍┾╸┤
· · · · · · · · · · · · · · · · · · ·		
		┝╺ <del>╞╶╏┍┝</del> ╶┝╌╞╌╞╌┊╌┊╴╴┾╶╡ ┥┿╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋╋

Identification\_Information: Citation: Citation\_Information: Ōriginator: Kenneth T. Glass, P.S.M. (ed.) Publication\_Date: 20060727 Publication\_Time: Unknown Title: S.F.W.M.D. Monitoring Well Edition: T0H0-15 **Kenneth T. Glass Keith & Schnars** Series\_Information: Publication\_Information: Publication Place: Not Published Publisher: None Online\_Linkage: kglass@keithandschnars.com Larger\_Work\_Citation: Citation\_Information: Series\_Information: Publication\_Information: Description: Abstract: South Florida Water Management District Structure TOHO-15 **Purpose** Purpose: To establish reference elevations in NAVD 1988 and NGVD 1929 datum at the Monitoring Well(s). Time\_Period\_of\_Content: Time\_Peri od\_Information: Single\_Date/Time: Survey Date Calendar\_Date: 20060727 Range\_of\_Dates/Times: Multiple\_Dates/Times: Currentness\_Reference: Publication Date Status: Progress: Complete Maintenance\_and\_Update\_Frequency: Unknown Spatial\_Domain: Boundi ng\_Coordi nates: West\_Boundi ng\_Coordi nate: 81°15'31.9" East\_Boundi ng\_Coordi nate: 81°15'31.9" North\_Boundi ng\_Coordi nate: 28°11'15.8" South\_Boundi ng\_Coordi nate: 28°11'15.8" Keywords: Theme: Theme\_Keyword\_Thesaurus: Specific Purpose Survey Theme\_Keyword: Monitoring Well(s) PI ace: Place\_Keyword\_Thesaurus: Osceola County Place\_Keyword: S.F.W.M.D. Monitoring Well TOHO-15 Place\_Keyword: SEC. 30 - T26S - R31E Stratum: Temporal: Access\_Constraints: Key needed to gain access to Monitoring Wells. Use\_Constraints: Call South Florida Water Management District for key. Point\_of\_Contact: Contact\_Information: **Howard Ehmke** Contact\_Person\_Primary: Contact\_Person: Howard J. Ehmke SFWMD Contact\_Organization: South Florida Water Management District Contact\_Organization\_Primary: Contact\_Position: P.S.M. Contact\_Address: Address\_Type: mailing and physical address Address: Acceler 8 Suite 150 2301 Centerpark West Drive City: West Palm Beach State\_or\_Province: Florida Postal\_Code: 33409 Country: USA Page 1

TOH0 15.gen Contact\_Voice\_Telephone: (561) 242-5520 ext 4064 Contact\_Electronic\_Mail\_Address: hehmke@sfwmd.gov Hours\_of\_Service: 8:00 am to 5:00 pm EST Securi ty\_Information: Cross\_Reference: Citation\_Information: Series\_Information: Publication\_Information: 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 **Equipment Used** 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. Logi cal \_Consi stency\_Report: Vertical data on the monitoring well was established using the site bench mark. Completeness\_Report: Project Results 78.404' (NGVD 1929) T0H0-15 Well. Project Results Offset written at wells (-) 1.027' to NAVD 1988. T0H0-15 2006 was the site benchmark used for this survey. NAVD 1988 elevation 74.022' Posi ti onal \_Accuracy: Hori zontal \_Posi ti onal \_Accuracy: Hori zontal \_Posi ti onal \_Accuracy\_Report: Horizontal The horizontal position of the benchmark was established using a hand held GPS. Quanti tati ve\_Hori zontal \_Posi ti onal \_Accuracy\_Assessment: Hori zontal \_Posi ti onal \_Accuracy\_Value: Lat. 28°11'15.8" Long. 81°15'31.9" Horizontal\_Positional\_Accuracy\_Explanation: Value derived by hand-held GPS unit. Verti cal \_Posi ti onal \_Accuracy: Vertical\_Positional\_Accuracy\_Report: The onsite benchmark was used to establish the Quantitative\_Vertical\_Positional\_Accuracy\_Assessment: Vertical\_Positional\_Accuracy\_Value: 0.011ft. NAVD88 Vertical\_Positional\_Accuracy\_Explanation: Better than 0.03ft. x sq. root of miles of the level loop. Li neage: Source Information: Source\_Citation: Citation\_Information: Series\_Information: Publication\_Information: Larger\_Work\_Citation: Citation\_Information: Series\_Information: Publication\_Information: Source\_Time\_Peri od\_of\_Content: Time\_Period\_Information: Single\_Date/Time: Range\_of\_Dates/Times: Multiple\_Dates/Times: Process\_Step: Process\_Description: Level Line Differential leveling was performed using a Wild NA-2 level. The onsite bench mark TOHO-15 2006 was used to determine the monitoring well elevation. Elevations were written at the wells in NGVD 1929 with an offset provided to convert the elevations to NAVD 1988. Process\_Date: 20060727 Process\_Contact: Contact\_Information: Contact\_Person\_Primary: Page 2

T0H0 15.gen Contact\_Organization\_Primary: Contact\_Address: Spati al \_Data\_Organi zati on\_I nformati on: Spatial\_Reference\_Information: Hori zontal \_Coordi nate\_System\_Definition: Geographic: Lati tude\_Resol uti on: 28°11' 15.8" Longi tude\_Resol uti on: 81°15' 31.9" Geographic\_Coordinate\_Units: Degrees, minutes, and decimal seconds Geodetic Model: Verti cal \_Coordi nate\_System\_Defi ni ti on: Al ti tude\_System\_Defi ni ti on: Depth\_System\_Definition: Entity and Attribute Information: Detailed\_Description: Entity\_Type: Attri bute: Attribute\_Domain\_Values: Attribute\_Value\_Accuracy\_Information: Overview\_Description: Distribution\_Information: Distributor: Contact\_Information: Contact\_Person\_Primary: Contact\_Organization\_Primary: Contact\_Organization: Keith and Schnars, P.A. Contact\_Person: Kenneth T. Glass, P.S.M. Contact\_Position: Director of Surveying and Mapping Lakel and Contact\_Address: Address\_Type: mailing and physical address Address: 2525 Drane Field Rd., Suite 7 City: Lakel and State\_or\_Province: Florida Postal\_Code: 33811 Country: Polk Contact\_Voi ce\_Tel ephone: (863)-646-4771 Contact\_Facsimile\_Telephone: (863)-646-3378 Contact\_Electronic\_Mail\_Address: kglass@keithandschnars.com Hours\_of\_Service: 8:00-5:00 est. Di stri buti on\_Li abi l i ty: None Standard\_Order\_Process: Di gi tal\_Form: Digital\_Transfer\_Information: Diğital Transfer\_Option: Online\_Option: Computer\_Contact\_Information: Network\_Address: Di al up\_l nstructi ons: OffLine\_Option: Recording\_Capacity: Available\_Time\_Period: Time\_Period\_Information: Single\_Date/Time: Range\_of\_Dates/Times: Multiple\_Dates/Times: 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 Organization Primary: Contact\_Pošition: Director of Surveying and Mapping Lakel and Contact\_Address: Address\_Type: mailing and physical address Address: 2525 Drane Field Rd., Suite 7 City: Lakel and State\_or\_Province: FL Page 3

TOHO 15.gen 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 Metadata\_Security\_Information:



# SOUTH FLORIDA WATER MANAGEMENT DISTRICT

					Rev. 4/01				
COUNTY	PROJECT			DESIGN	ATION				
OSCEOLA				Structur	e TOHO-15				
SECTION 30	TOWNSHIP 26	SOUTH	I	RANGE	<u>31</u> EAST				
GEOGRAPHIC INDEX OF QUAD									
Established by KEITH AND SCHN	ARS	NAME	E OF QUADRA	NGLE					
Recovered by		ST. CLOUD SOUTH							
SET CLASS "C" MONUNENT WITH BRASS DISK.	SFWMD								
SURVEYOR <u>D. SULLIVAN (Keith a</u> DATE <u>06/30/2006</u>	nd Schnars)	FIELD BOOK, 1156, pgs. 44-52							
HORIZONTAL DATUM: 1983 with	1999 correcti	on,	ZONE East						
VERTICAL DATUM: NGVD 192	9 and NAVD 1	988							
CONTROL ACCURACY: HORIZO	NTAL HAND-HEL	D GPS	, 3 <sup>rd</sup> Order VI	ERTICAL					
STATE PLANE COORDINATES	X = 572778		Y = 1401043		EL. (NGVD 1929)				
					75.049'				
					EL. (NAVD 1988)				
					74.022'				
LATITUDE 28º 11' 15.8"			LO	NGITUDE	81º 15' 31.9"				
	DESC	RIPTIC	ON						
South Florida Water Management Dis	strict brass disk se	t in con	crete monumer	nt stampe	d TOHO 15 / 2006				
The benchmark is located 4.4 miles s	outh of St. Cloud								
To reach the mark from the intersection					<u>v</u>				
Vermont Ave. a distance of 4.8 miles									
Travel east Along Deer Run Rd. a dis									
A distance of 0.4 miles to Lake Shore Being on the south Side of the road.									
From the well structure.				avement,					
					and the state of the				
					AER MOT VERY				
				1	ON DESIGN OF				
				AL.	R. J. S.				
				110 0	TOHOIS S				
					2 6 1 1				
Notable Land marks:				10	1				
Notable Land marks:					XEAR 2006				
Notable Land marks:				20	1				
Notable Land marks:					1				

# TOHO15 Benchmark







# The NGS Data Sheet

See file <u>dsdata.txt</u> for more information about the datasheet.

```
******
 DG6241
 DG6241 DESIGNATION - C 576
DG6241 PID - DG6241
DG6241 STATE/COUNTY- FL/OSCEOLA
 DG6241 USGS QUAD - ASHTON (1981)
 DG6241
                                      *CURRENT SURVEY CONTROL
 DG6241
 DG6241
 DG6241* NAD 83(1986)- 28 11 40.
DG6241* NAVD 88 - 21.
                                                     081 14 38.
                                             (N)
                                                                       (W)
                                                                                 SCALED
                                    21.538
                                            (meters)
                                                              70.66
                                                                       (feet)
                                                                                ADJUSTED
 DG6241
 DG6241 GEOID HEIGHT-
                                    -27.92
                                             (meters)
                                                                                 GEOID03
                                      21.506 (meters)
 DG6241
          DYNAMIC HT -
                                                               70.56
                                                                       (feet)
                                                                                COMP
 DG6241 MODELED GRAV-
                                979,155.5
                                                                                NAVD 88
                                              (mgal)
 DG6241
          VERT ORDER - SECOND
                                       CLASS I
 DG6241
 DG6241
 DG6241. The horizontal coordinates were scaled from a topographic map and have
 DG6241.an estimated accuracy of +/- 6 seconds.
 DG6241
 DG6241. The orthometric height was determined by differential leveling
 DG6241.and adjusted by the National Geodetic Survey in September 2004..
 DG6241
 DG6241. The geoid height was determined by GEOID03.
 DG6241
 DG6241.The dynamic height is computed by dividing the NAVD 88
DG6241.geopotential number by the normal gravity value computed on the
DG6241.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 DG6241.degrees latitude (g = 980.6199 gals.).
 DG6241
 DG6241. The modeled gravity was interpolated from observed gravity values.
 DG6241
                                                           Units Estimated Accuracy
MT (+/- 180 meters Scaled)
 DG6241;
                                                  East
                                 North
 DG6241;SPC FL E
                             427,780.
                                              176,060.
 DG6241
 DG6241
                                       SUPERSEDED SURVEY CONTROL
 DG6241
 DG6241.No superseded survey control is available for this station.
 DG6241
 DG6241_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM760187(NAD 83)
DG6241_MARKER: DD = SURVEY DISK
 DG6241_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 DG6241_STAMPING: C 576 2002
 DG6241_MARK LOGO: FLDEP
 DG6241 PROJECTION: FLUSH
 DG6241_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 DG6241_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 DG6241+STABILITY: SURFACE MOTION
 DG6241_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 DG6241+SATELLITE: SATELLITE OBSERVATIONS - November 24, 2002
 DG6241
 DG6241 HISTORY
                        - Date
                                     Condition
                                                          Report By
 DG6241 HISTORY
DG6241 HISTORY
                        - 20021024 MONUMENTED
                                                          FLDEP
                        - 20021124 GOOD
                                                          FLDEP
 DG6241
                                       STATION DESCRIPTION
 DG6241
 DG6241
 DG6241'DESCRIBED BY FL DEPT OF ENV PRO 2002 (JLM)
 DG6241'THE MARK IS ABOUT 4.0 MI SOUTHEAST OF ST. CLOUD, 3.6 MI SOUTH OF DG6241'ASHTON, IN SECTION 30, TOWNSHIP 26 SOUTH, RANGE 31 EAST.
 DG6241'
 DG6241'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192, 441 (13TH
 DG6241'STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) IN ST.
DG6241'CLOUD, GO EAST ON U.S. HIGHWAY 192, 441 (13TH STREET, EAST BRONSON
DG6241'HIGHWAY) FOR 3.0 MI TO THE INTERSECTION OF STATE ROAD 15, TURN RIGHT
 DG6241'ON STATE ROAD 15 AND GO SOUTH FOR 2.35 MI TO THE JUNCTION OF OLD
 DG6241'HICKORY TREE ROAD ON THE RIGHT, CONTINUE SOUTH ON STATE ROAD 15 (OLD
```

```
file:///Z/...lls/toho15/Contractors%20Stillingwell%20Report%2015-aug-06/Benchmarks/NGS%20Source%20Bench/BM%20C%20576.htm[11/15/2015 4:54:17 AM]
```

DG6241'HICKORY TREE ROAD FOR 1.25 MI TO THE JUNCTION OF PINE TREE DRIVE ON DG6241'THE RIGHT AND THE MARK ON THE RIGHT, SET IN THE TOP OF A ROUND DG6241'CONCRETE MONUMENT FLUSH WITH THE GROUND AND LEVEL WITH PINE TREE DG6241'DRIVE. DG6241' DG6241'LOCATED 78.8 FT WEST OF THE CENTERLINE OF OLD HICKORY TREE ROAD, 23.0 DG6241'FT SOUTH OF THE CENTERLINE OF PINE TREE DRIVE, 9.8 FT WEST OF POWER DG6241'POLE NUMBER 20340 (EC815A202) AND 5.3 FT NORTH OF A HOGWIRE FENCE AND DG6241'A CARSONITE WITNESS POST. NOTE A BAR MAGNET WAS IMBEDDED IN THE DG6241'GROUND ON THE SOUTH SIDE OF THE MONUMENT.

\*\*\* retrieval complete. Elapsed Time = 00:00:01

# The NGS Data Sheet

See file <u>dsdata.txt</u> for more information about the datasheet.

```
DG6255
 DG6255 DESIGNATION - B 576
DG6255 PID - DG625
 DG6255
         PID
                            DG6255
          STATE/COUNTY- FL/OSCEOLA
 DG6255
         USGS QUAD - ASHTON (1981)
 DG6255
 DG6255
                                      *CURRENT SURVEY CONTROL
 DG6255
 DG6255
DG6255* NAD 83(1986)- 28 10 48.
DG6255* NAVD 88 - 21.0
DG6255
                                                     081 14 35.
                                             (N)
                                                                        (W)
                                                                                  SCALED
                                    21.660
                                             (meters)
                                                              71.06
                                                                        (feet)
                                                                                 ADJUSTED
         GEOID HEIGHT-
                                     -27.90
 DG6255
                                             (meters)
                                                                                 GEOID03
                                                               70.95
 DG6255
          DYNAMIC HT -
                                      21.627 (meters)
                                                                        (feet)
                                                                                 COMP
                                979,154.8
 DG6255
         MODELED GRAV-
                                                                                 NAVD 88
                                              (mgal)
 DG6255
 DG6255
          VERT ORDER - SECOND
                                        CLASS I
 DG6255
 DG6255.The horizontal coordinates were scaled from a topographic map and have
 DG6255.an estimated accuracy of +/- 6 seconds.
 DG6255
 DG6255. The orthometric height was determined by differential leveling
 DG6255.and adjusted by the National Geodetic Survey in September 2004..
 DG6255
 DG6255. The geoid height was determined by GEOID03.
 DG6255
DG6255.The dynamic height is computed by dividing the NAVD 88
DG6255.geopotential number by the normal gravity value computed on the
DG6255.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 DG6255.degrees latitude (g = 980.6199 gals.).
 DG6255
 DG6255. The modeled gravity was interpolated from observed gravity values.
 DG6255
                                                            Units Estimated Accuracy
MT (+/- 180 meters Scaled)
 DG6255;
                                                  East
                                 North
 DG6255;SPC FL E
                                              176,130.
                              426,180.
 DG6255
 DG6255
                                       SUPERSEDED SURVEY CONTROL
 DG6255
 DG6255 No superseded survey control is available for this station.
 DG6255
 DG6255_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMM761171(NAD 83)
DG6255_MARKER: F = FLANGE-ENCASED ROD
 DG6255_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)
 DG6255_STAMPING: B 576 2003
 DG6255_MARK LOGO: NGS
 DG6255 PROJECTION: FLUSH
 DG6255_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET
 DG6255_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DG6255_SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
 DG6255+SATELLITE: SATELLITE OBSERVATIONS - February 06, 2003
 DG6255_ROD/PIPE-DEPTH: 24.3 meters
 DG6255
 DG6255
          HISTORY
                        - Date
                                      Condition
                                                          Report By
                        - 20030206 MONUMENTED
 DG6255
         HISTORY
                                                          FLDEP
 DG6255
 DG6255
                                       STATION DESCRIPTION
 DG6255
 DG6255'DESCRIBED BY FL DEPT OF ENV PRO 2003 (JLM)
DG6255'THE MARK IS ABOUT 5.0 MI SOUTHEAST OF ST. CLOUD, 4.5 MI SOUTH OF
 DG6255'ASHTON, IN SECTION 32, TOWNSHIP 26 SOUTH, RANGE 31 EAST.
 DG6255'
 DG6255'TO REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 192, 441 (13TH
 DG6255'STREET) AND COUNTY ROAD 523 (VERMONT AVENUE, CANOE CREEK ROAD) IN ST.
DG6255'CLOUD, GO EAST ON U.S. HIGHWAY 192, 441 (13TH STREET, EAST BRONSON
DG6255'HIGHWAY) FOR 3.0 MI TO THE INTERSECTION OF STATE ROAD 15, TURN RIG
DG6255'ON STATE ROAD 15 AND GO SOUTH FOR 2.35 MI TO THE JUNCTION OF OLD
                                                                               TURN RIGHT
 DG6255'HICKORY TREE ROAD ON THE RIGHT, CONTINUE SOUTH ON STATE ROAD 15 (OLD
 DG6255'HICKORY TREE ROAD FOR 2.25 MI TO THE JUNCTION OF DEER RUN ROAD ON THE
```

```
file:///Z/...lls/toho15/Contractors%20Stillingwell%20Report%2015-aug-06/Benchmarks/NGS%20Source%20Bench/BM%20B%20576.htm[11/15/2015 4:55:47 AM]
```

DATASHEETS

DG6255'RIGHT, CONTINUE SOUTH ON STATE ROAD 15 (OLD HICKORY TREE ROAD) FOR DG6255'0.05 MI TO THE MARK ON THE LEFT, A STAINLESS STEEL ROD DRIVEN TO DG6255'REFUSAL AT A DEPTH OF 79.6 FT WITH A NGS LOGO CAP FLUSH WITH THE DG6255'GROUND AND 0.5 FT BELOW THE LEVEL OF OLD HICKORY TREE ROAD, THE DATUM DG6255'POINT IS RECESSED 0.5 FT BELOW THE NGS LOGO CAP. DG6255' DG6255' DG6255'LOCATED 117.5 FT SOUTH OF A DRIVEWAY, 105.0 FT SOUTH OF THE EXTENDED DG6255'CENTERLINE OF DEER RUN ROAD, 29.0 FT EAST OF THE CENTERLINE OF OLD DG6255'HICKORY TREE ROAD, 1.7 FT WEST OF A BARBWIRE FENCE AND 1.3 FT WEST OF DG6255'A CARSONITE WITNESS POST. NOTE ACCESS TO THE DATUM POINT IS HAD DG6255' DG6255'NOTE A BAR MAGNET WAS PLACED INSIDE THE NGS LOGO CAP.

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