SURVEYOR'S REPORT

Specific Purpose Survey of the Monitoring Wells

Structure WLNB

Okeechobee County, Florida

South Florida Water Management District's

Purchase Order number PC 4500009380

Keith and Schnars project number 16434.00,

Task 22186

Report Date: June 7, 2007

Submittal: First

Prepared for:

South Florida Water Management District

Prepared by:

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Licensed Business (L.B.) 1337

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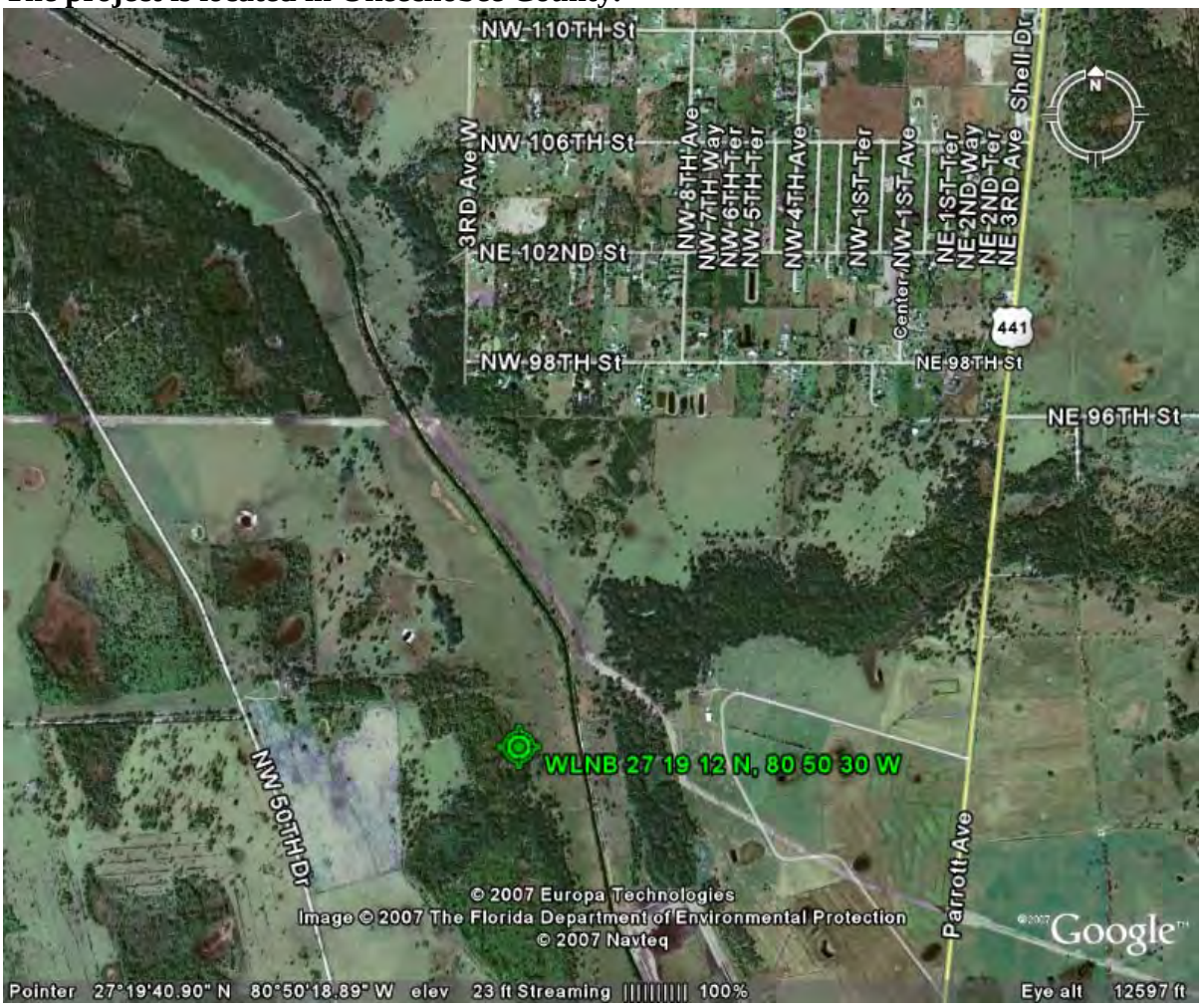
SURVEYOR'S REPORT

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 Okeechobee 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

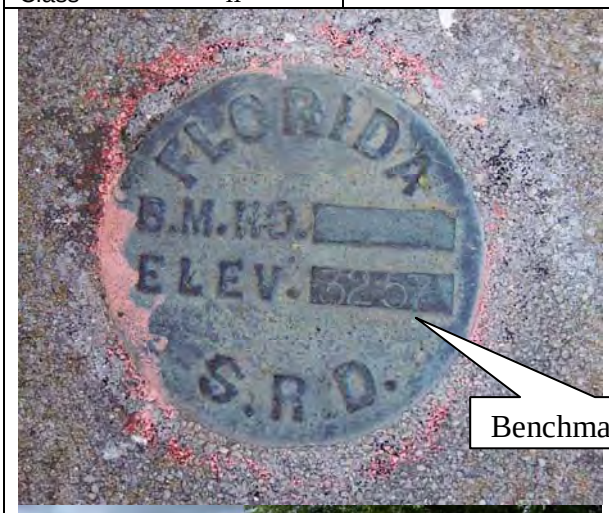
The vertical datum for the project is National Geodetic Vertical Datum (NGVD) of 1929 and North American Vertical Datum (NAVD) of 1988. NGVD '29 elevations were derived using data provided by the South Florida Water Management District in a file named NGVD29.txt" when applicable, otherwise NGS superseded values were used.

LEVELING METHODS

Benchmark WLNB was constructed at the site. The elevations were established from Benchmarks 32.57 and 32.50 with a Wild NA2 conventional level and three-wire observation method.

SURVEYOR'S REPORT
VERTICAL CONTROL

BM 32.57	Elevation:	**NAVD 1988**	**31.32'**	**NGVD 1929**	**32.51'**
Found in South Florida Water Management District Benchmark Database	Latitude	27°17'43" (Scaled)			
State/County FL/Okeechobee	Longitude	-80°49'39" (Scaled)			
USGS QUAD Taylor Creek SE (1972)					
Vertical Order First Class II					



Benchmark 32.57

Benchmark 32.57

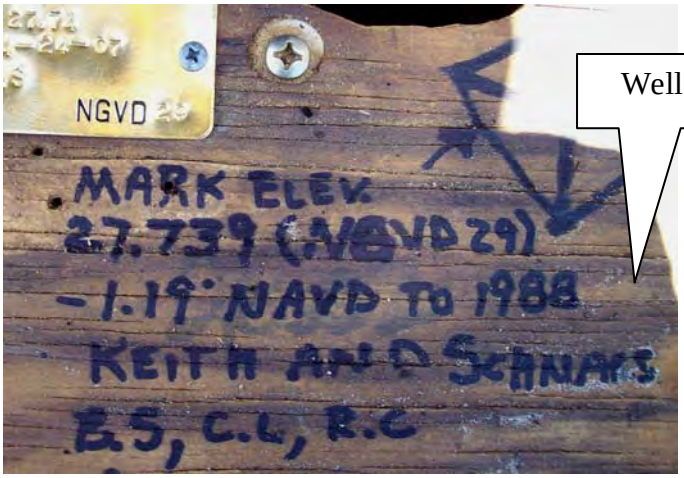
The mark is about 3.5 mi north of Okeechobee, in Section 34, Township 36 South, Range 35 East. To reach the mark from the intersection of State Road 70 (U.S. Highway 98, Park Street) and U.S. Highway 441 (Parrott Street) in Okeechobee, go north on U.S. Highway 441 (Parrott Street) for 3.6 mi to the north end of the bridge spanning Taylor Creek and The mark on the left, set flush in the top of the northwest bridge wingwall about 1.0 ft above the level of U.S. Highway 441. Located 18.4 ft west of the centerline of U.S. Highway 441 and 0.5 ft East of the west end of the wingwall.

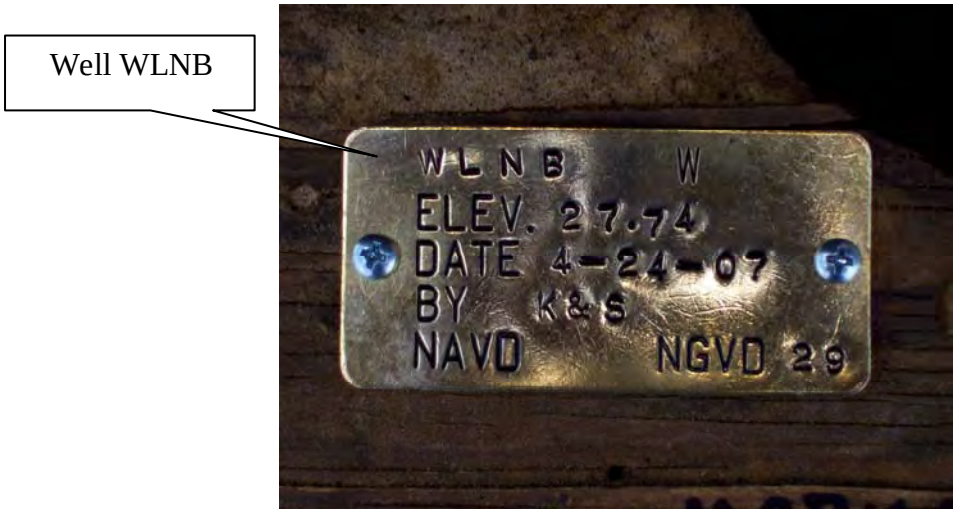
SURVEYOR'S REPORT
VERTICAL CONTROL

BM 32.50	Elevation:	**NAVD 1988**	**31.285'**	**NGVD 1929**	**32.476'**
Found in South Florida Water Management District Benchmark Database	Latitude	27°17'43" (Scaled)			
State/County FL/Okeechobee	Longitude	-80°49'39" (Scaled)			
USGS QUAD Taylor Creek SE (1972)					
Vertical Order First Class II					

The mark is about 3.5 mi north of Okeechobee, in Section 34, Township 36 South, Range 35 East.
To reach the mark from the intersection of State Road 70 (U.S. Highway 98, Park Street) and U.S. Highway 441 (Parrott Street) in Okeechobee, go north on U.S. Highway 441 (Parrott Street) for 3.55 mi to the south end of the bridge spanning Taylor Creek and the mark on the right, set flush in the top of the southeast bridge wingwall about 1.7 ft above the level of the ground and about 1.0 ft above the level of U.S. Highway 441. Located 18.4 ft east of the centerline of U.S. Highway 441 and 0.5 ft west of the east end of the wingwall.

SURVEYOR'S REPORT
PROJECT PHOTO





SURVEYOR'S REPORT
PROJECT PHOTO

Benchmark WLNB

Benchmark WLNB

SURVEYOR'S REPORT

PROJECT RESULTS

Monitoring Well

Monitoring Well WLNB:
Reference mark:
Set mark on S. side PVC pipe
With initials K&S.

New Reference

Mark El. **27.739'**
(NGVD '29)
(Wrote -1.19' NAVD to 1988).
Water El. **19.369'**
(NGVD '29) no water – bottom of well dry

Initials**:**

K&S

B.S., C.L., R.C.

Date:
4/24/07

written at the mark:

El. **28.02'**
Date: **2-25-00**
By: **B.W.,A.W.,S.J.**

Reference Mark location:

Crow's foot next to brass plate

SURVEYOR'S REPORT

Comments:

Party Chief: B. Simmons Field Book: 1176 Page 45
Bench Mark: "32.57" El. 31.32' ,Vertical Datum: NAVD1988
Offset: 1.190' SFWMD VALUE (add this value to convert to NGVD 1929)
Offset: 1.190' NGS VALUE (add this value to convert to NGVD 1929)
Bench Mark: "32.50" El. 31.285' ,Vertical Datum: NAVD1988
Offset: 1.191' SFWMD VALUE (add this value to convert to NGVD 1929)
Offset: 1.191' 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:

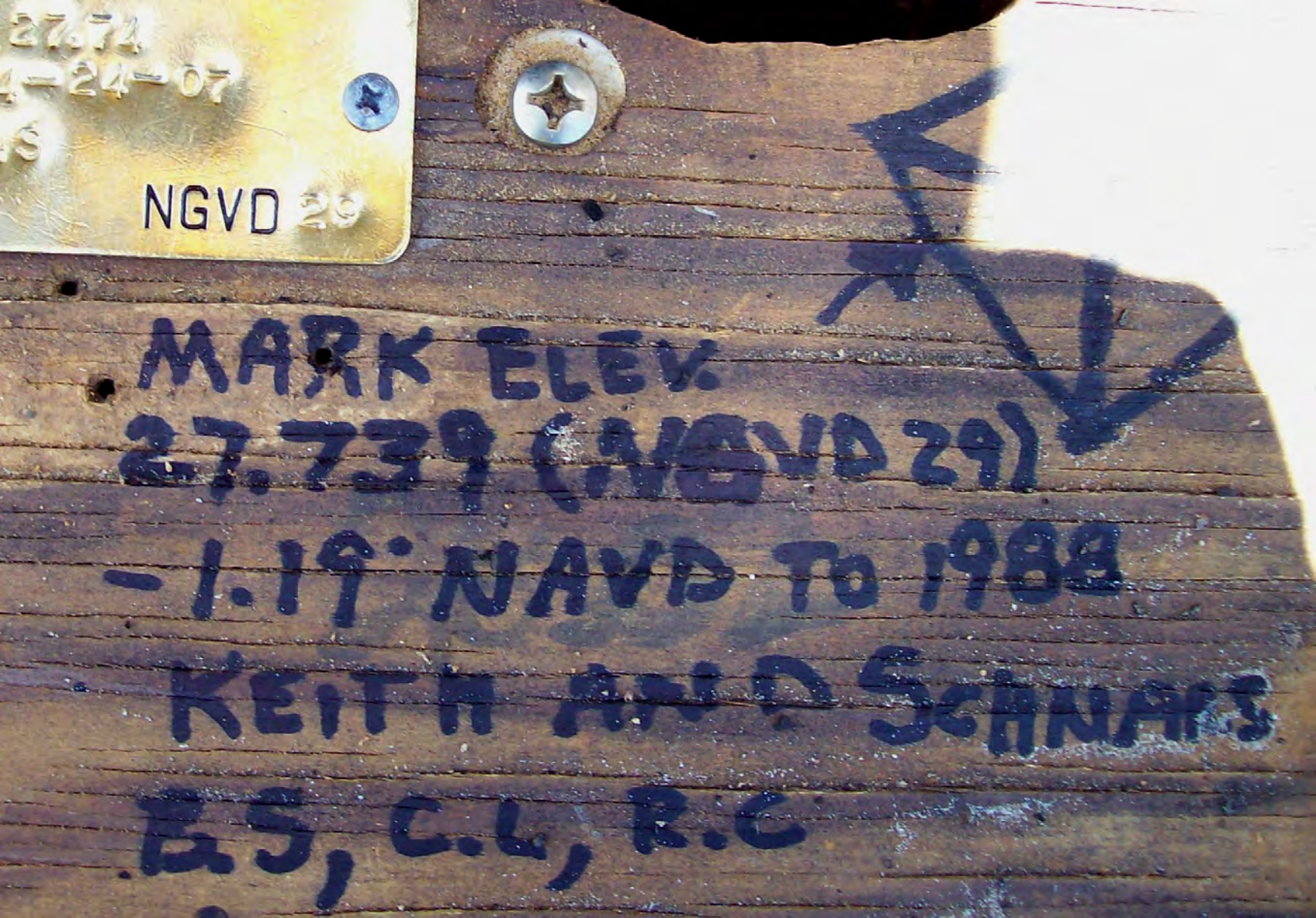
Date of Survey
April 24, 2007

Ernesto J. Garcia, PSM
Professional Surveyor and Mapper
State of Florida
Certificate No. 3878


TAYLOR
CREEK


TAYLOR
CREEK


MARK ELEV.
27.739 (NGVD 29)
-1.19' NAVD To 1988
KEITH AND SCHNARS
P.S, C.E, P.E


27.74
4-24-07
NGVD 29
MARK ELEV.
27.739 (NGVD 29)
-1.19' NAVD TO 1988
KEITH AND SCHNARS
E.S., C.L., R.C.


WLNB W
ELEV. 27.74
DATE 4-24-07
BY K&S
NAVD NGVD 29


STL WATER MGT DISTRICT
STATION DESIGNATION
WLNB
YEAR 2007
DO NOT DISTURB
SURVEY MARK


FLORIDA
B.M. NO.
ELEV. 325.7
S.R.D.


FLORIDA
B.M.NO.
ELEV. 5257
S.R.D.


FLORIDA
B.M. NO.
ELEV. 3250
S.R.D.

SINCE 1956
FLT
Geosystems

8411

DATE: 4-18-07
FOR: SFWMD
JOB # 16434.00 TASK 22186
CREW: B. SIMMONS, C. LAFLEUR, R. CRUM
EQUIP: WILD NA-2 LEVEL # 5208541, PHILLY ROD
WEATHER: 75° ± CLEAR, BEAUTIFUL
LOC: OKEECHOBEE COUNTY

STA	+		MEAN	HI	−		MEAN
	~~5.60~~						
BM	~~4.98~~	125'	~~4.947~~	~~37.547~~			
32.57	4.35						
	14.93						
	6.25				~~5.62~~		
	~~5.19~~				5.02	121'	5.017
	4.71	239'	4.710		4.41		
BM	~~3.99~~						
32.50	3.17				5.05		
	~~2.80~~				9.00		
	14.13				~~7.38~~		
					6.94		
	6.43				~~6.19~~		
TP 1	5.32	222'	5.320		4.88	238'	6.940
	4.21				~~5.00~~		
	15.96				20.82		
	6.34				6.24		
TP 2	5.25	218'	5.250		5.13	222'	5.130
	4.16				4.02		
	15.75				15.39		
	6.47				6.25		
TP 3	5.31	231'	5.313		5.16	218'	5.160
	4.16				4.07		
	15.94				15 48		

FOR "WLNB"

(NOTE SEE PG 77 & 78 FOR ADJUSTMENT SHEET AND DATA SHEETS)

BM ELEV.	ADJ BM ELEV.	COMMENTS
		FND FL. S.R.D. DISK IN N.W. HEADWALL ON SR 441 @ TAYLOR CREEK ELEV. = 32.57
		NOTE: THIS SET UP WAS ON TAYLOR CREEK BRIDGE
32.530		FND FL. S.R.D. DISK IN S.E. HEADWALL ON SR 441 @ TAYLOR CREEK ELEV: 32.50'
30.333		SET PK NL W/E.O.P. SR 441
		" " " " " " "
		" " " " " " "

4-18-07

SAME CREW

STA	+	HI	MEAN	−	HI	MEAN
	7.60			5.01		
TP 4	6.51	217	6.513	3.85	232	3.850
	5.43			2.69		
	19.54			11.55		
	7.01			4.71		
TP 5	5.90	221	5.903	3.62	217	3.623
	4.80			2.54		
	17.71			10.87		
	6.96			6.28		
TP 6	5.92	207	5.923	5.17	221	5.173
	4.89			4.07		
	17.77			15.52		
	6.61			6.08		
TP 7	5.57	209	5.567	5.04	207	5.043
	4.52			4.01		
	16.70			15.13		
	6.85			5.67		
TP 8	5.76	218	5.760	4.63	209	4.627
	4.67			3.58		
	17.28			13.88		
	6.54			6.25		
TP 9	5.42	224	5.420	5.16	217	5.163
	4.30			4.08		
	16.26			15.49		

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET PK NL W/E.O.P. SR 441
		SET PK NL N/E.O.P. NW 50TH DR.
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "

4-18-07

SAME CREW

STA	+		MEAN	HI	−		MEAN
	5.39				6.75		
TP 10	4.68	222	4.680		5.63	224	5.630
	3.57				4.51		
	14.04				16.89		
	6.28				6.48		
TP 11	5.17	222	5.170		5.37	221	5.373
	4.06				4.27		
	15.51				16.12		
	6.69				6.40		
TP 12	5.55	227	5.553		5.29	222	5.290
	4.42				4.18		
	16.66				15.87		
	6.85				6.04		
TP 13	5.73	225	5.727		4.91	224	4.910
	4.60				3.78		
	17.18				14.73		
	5.61				6.25		
TP 14	4.50	221	4.503		5.12	225	5.123
	3.40				4.00		
	13.51				15.37		
	4.95				7.65		
TP 15	3.89	213	3.887		6.54	22	6.543
	2.82				5.44		
	11.66				19.63		

BM ELEV.	ADJ. BM ELEV.	COMMENTS
		SET PK NL N/E.O.P. NW 50TH DR.
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "

4-18-07

SAME CREW

STA	+		MEAN	HI	−		MEAN
	5.83				6.79		
TP 16	4.70	227	4.697		5.73	213	5.727
	3.56				4.66		
	14.09				17.18		
	6.18				6.47		
TP 17	5.08	220	5.080		5.33	228	5.330
	3.98				4.19		
	15.24				15.99		
	6.60				6.18		
TP 18	5.47	226	5.470		5.07	221	5.073
	4.34				3.97		
	16.41				15.22		
	6.83				6.19		
TP 19	5.75	216	5.750		5.06	227	5.057
	4.67				3.92		
	17.25				15.17		
	7.37				5.75		
TP 20	6.25	223	6.253		4.66	217	4.663
	5.14				3.58		
	18.76				13.99		
	6.64				5.78		
TP 21	5.52	224	5.520		4.66	223	4.663
	4.40				3.55		
	16.56				13.99		

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET PK NL N/E.O.P. NW SOTH DR.

4.18.07

SAME CREW

STA	+		MEAN	HI	−		MEAN
	6.61				6.29		
TP 22	5.57	209'	5.567		5.17	224'	5.170
	4.52				4.05		
	16.70				15.51		
	6.32				6.38		
TP 23	5.25	214'	5.250		5.34	209'	5.337
	4.18				4.29		
	15.75				16.01		
	6.14				6.97		
TP 24	5.05	218'	5.050		5.91	213'	5.907
	3.96				4.84		
	15.15				17.72		
	6.18				6.79		
TP 25	5.12	211'	5.123		5.70	218'	5.700
	4.07				4.61		
	15.37				17.10		
	6.19				6.76		
TP 26	5.14	210'	5.140		5.70	211'	5.703
	4.09				4.65		
	15.42				17.11		
	6.42				6.60		
TP 27	5.33	218'	5.330		5.54	211'	5.543
	4.24				4.49		
	15.99				16.63		

BM ELEV.	ADJ. BM ELEV.	COMMENTS
		SET PK NL E/E.O.P. NW 50TH DR
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "

4-18-07

SAME CREW

STA	+	HI	MEAN	HI	−	MEAN
	6.40				6.55	
TP 28	5.32	215'	5.323	218'	5.46	5.460
	4.25				4.37	
	15.97				16.38	
	6.25				6.10	
TP 29	5.18	214'	5.180	215'	5.03	5.027
	4.11				3.95	
	15.54				15.08	
	6.63				6.41	
TP 30	5.57	212'	5.570	214'	5.34	5.340
	4.51				4.27	
	16.71				16.02	
	6.70				5.95	
TP 31	5.64	213'	5.637	212'	4.89	4.890
	4.57				3.83	
	16.91				14.67	
	6.59				6.36	
TP 32	5.51	216'	5.510	213'	5.30	5.297
	4.43				4.23	
	16.53				15.89	
	6.61				6.54	
TP 33	5.55	212'	5.550	216'	5.46	5.460
	4.49				4.38	
	16.65				16.38	

BM ELEV.	ADJ. BM ELEV	COMMENTS
		SET PK NL E/E.O.P. NW 50TH DR.

4-18-07

SAME CREW

STA	+		MEAN	HI	−		MEAN
	6.65				6.74		
TP 34	5.58	213	5.583		5.68	212	5.680
	4.52				4.62		
	16.75				17.04		
	6.97				5.81		
TP 35	5.91	213	5.907		4.74	213	4.743
	4.84				3.68		
	17.72				14.23		
	6.03				6.54		
TP 36	4.90	227	4.897		5.47	213	5.473
	3.76				4.41		
	14.69				16.42		
	4.17				7.02		
TP 37	3.11	211	3.113		5.89	226	5.890
	2.06				4.76		
	9.34				17.67		
	6.42				6.35		
TP 38	5.36	212	5.360		5.30	210	5.300
	4.30				4.25		
	16.08				15.90		
	4.94				5.89		
TP 39	3.87	213	3.873		4.83	212	4.830
	2.81				3.77		
	11.62				14.49		

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET PK NL E/E.O.P. NW. 50TH DR.
		" " " " " " " "
		SET NET
		" " "
		" " "
		" " "

4-18-07

SAME CREW

STA	+		MEAN	HI	−		MEAN
	5.18				6.22		
TP 40	4.10	215'	4.103		5.15	213'	5.153
	3.03				4.09		
	12.31				15.46		
	4.84				7.07		
TP 41	3.77	213'	3.773		5.99	216'	5.990
	2.71				4.91		
	11.32				17.97		
	5.53				6.80		
TP 42	4.54	209'	4.537		5.74	213'	5.737
	3.49				4.67		
	13.61				17.21		
	5.92				7.43		
TP 43	4.88	208'	4.880		6.39	208'	6.390
	3.84				5.35		
	14.64				19.17		
	5.44				7.71		
TP 44	4.69	150'	4.690		6.66	209'	6.663
	3.94				5.62		
	14.07				19.99		
	7.07				6.46		
BM 1	5.96	222'	5.960		5.72	147'	5.723
"WLNB"	4.85				4.99		
	17.88				17.17		

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET H & T
		" " "
		" " "
		" " "
26.014		" " "
24.981		SET POURED CONC. MON. W/SFWMD DISK @ GUAGE STATION "WLNB"

4-19-07

SAME CREW

STA	+		MEAN	HI	−		MEAN
	7.34				5.18		
TP 45	6.26		6.257		4.07		4.067
	5.17	217'			2.95	223'	
	18.77				12.20		
	6.97				5.33		
TP 46	5.87		5.867		4.25		4.250
	4.76	221'			3.17	219'	
	17.60				12.75		
	7.69				5.98		
TP 47	6.59		6.587		4.88		4.880
	5.48	221'			3.78	220'	
	19.76				14.64		
	7.33				5.12		
TP 48	6.20		6.197		4.02		4.017
	5.06	227'			2.91	221'	
	18.59				12.05		
	7.25				5.99		
TP 49	6.14		6.143		4.85		4.853
	5.04	221'			3.72	227'	
	18.43				14.56		
	6.21				6.46		
TP 50	5.09		5.093		5.35		5.353
	3.98	223'			4.25	221'	
	15.28				16.06		

BENCH RUN - CONT.

1176-53

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET H & T
		" " "
		" " "
		" " "
		" " "

4-19-07
SAME CREW

STA	+		MEAN	HI	−		MEAN
	8.49				6.30		
TP 51	7.38	222	7.380		5.19	221	5.193
	6.27				4.09		
	22.14				15.58		
	5.95				6.15		
TP 52	4.84	222	4.840		5.05	221	5.047
	3.73				3.94		
	14.52				15.14		
	6.10				6.29		
TP 53	5.04	212	5.040		5.18	222	5.180
	3.98				4.07		
	15.12				15.54		
	6.83				6.47		
TP 54	5.73	220	5.730		5.41	212	5.410
	4.63				4.35		
	17.19				16.23		
	6.34				6.66		
TP 55	5.24	219	5.243		5.56	219	5.563
	4.15				4.47		
	15.73				16.69		
	6.34				6.32		
TP 56	5.25	217	5.253		5.23	218	5.230
	4.17				4.14		
	15.76				15.69		

BENCH RUN - CONT

1176-54

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET HUT
		" " "
		" " "
		SET PK NL W/EOP NW 50TH DR
		" " " " " " " "
		" " " " " " " "

4-19-07

SAME CREW

STA	+		MEAN	HI	−		MEAN
	5.94				6.72		
TP 57	4.87	214'	4.870		5.63	217'	5.633
	3.80				4.55		
	14.61				16.90		
	6.54				6.66		
TP 58	5.47	215'	5.467		5.58	215'	5.583
	4.39				4.51		
	16.40				16.75		
	6.20				6.36		
TP 59	5.14	212'	5.140		5.29	214'	5.290
	4.08				4.22		
	15.42				15.87		
	6.38				6.43		
TP 60	5.24	228'	5.240		5.37	212'	5.370
	4.10				4.31		
	15.72				16.11		
	6.55				6.22		
TP 61	5.41	228'	5.410		5.08	228'	5.080
	4.27				3.94		
	16.23				15.24		
	6.77				6.15		
TP 62	5.63	228'	5.630		5.01	229'	5.007
	4.49				3.86		
	16.89				15.02		

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET PK NL W/E.O.P. NW 50TH ST.
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "
		" " " " " " " "

4-19-07
SAME CREW

STA	+		MEAN	HI	−		MEAN	BM ELEV	ADJ BM ELEV	COMMENTS
	7.09				6.18					
TP 63	5.95	228	5.950		5.04	228	5.040			SET PK NL W/E.O.P. NW 50TH DR.
	4.81				3.90					
	17.85				15.12					
	7.00				6.25					
TP 64	5.83	233	5.833		5.11	228	5.110			" " " " " " " "
	4.67				3.97					
	17.50				15.33					
	6.75				6.94					
TP 65	5.62	226	5.620		5.78	233	5.777			" " " " " " " "
	4.49				4.61					
	16.86				17.33					
	6.37				6.59					
TP 66	5.23	228	5.230		5.46	226	5.460			" " " S/E.O.P. " " "
	4.09				4.33					
	15.69				16.38					
	5.81				7.30					
TP 67	4.68	225	4.683		6.15	229	6.153			" " " " " " " "
	3.56				5.01					
	14.05				18.46					
	5.95				7.37					
TP 68	4.76	232	4.763		6.24	225	6.243			" " " " " " " "
	3.58				5.12					
	14.29				18.73					

4-19-07
SAME CREW

STA	+		MEAN	HI	−		MEAN
	6.11				6.80		
TP 69	4.96	230	4.960		5.62	237	5.617
	3.81				4.43		
	14.88				16.85		
	6.78				6.50		
TP 70	5.65	225	5.653		5.35	229	5.353
	4.53				4.21		
	16.96				16.06		
	6.96				6.46		
TP 71	5.84	224	5.840		5.34	224	5.340
	4.72				4.22		
	17.52				16.02		
	7.78				5.52		
TP 72	6.66	224	6.660		4.40	224	4.400
	5.54				3.28		
	19.98				13.20		
	7.19				5.15		
TP 73	6.07	225	6.067		4.03	224	4.030
	4.94				2.91		
	18.20				12.09		
	5.70				7.10		
TP 74	4.58	224	4.580		5.92	235	5.923
	3.46				4.75		
	13.74				17.77		

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET PK NL S/E O.P. NW 50TH OR.
		" " " W/EOP " " "
		" " " " " " " " "
		" " " " " " " " "
		" " " S/EOP " " "
		" " " " " " " " "

4.19.07
SAME CREW

STA	+		MEAN	HI	−		MEAN
	6.67				6.70		
TP 75	5.52	229'	5.523		5.57	225'	5.573
	4.38				4.45		
	16.57				16.72		
	6.66				6.48		
TP 76	5.49	233'	5.493		5.33	230'	5.330
	4.33				4.18		
	16.48				15.99		
	6.75				6.32		
TP 77	5.61	229'	5.607		5.15	235'	5.147
	4.46				3.97		
	16.82				15.44		
	6.58				6.29		
TP 78	5.49	217'	5.493		5.15	228'	5.150
	4.41				4.01		
	16.48				15.45		
	6.41				6.97		
TP 79	5.33	217'	5.327		5.88	217'	5.883
	4.24				4.80		
	15.98				17.65		
	5.37				6.99		
TP 80	4.29	215'	4.293		5.91	217'	5.907
	3.22				4.82		
	12.88				17.72		

BM ELEV.	ADJ BM ELEV.	COMMENTS
37.112		SET PK NL S/ECOP NW 50TH DR
33.538		

4-19-07

SAME CREW

STA	+	HI	MEAN	−	HI	MEAN
	5.67			6.33		
TP 81	4.63	208	4.630	5.26	214	5.260
	3.59			4.19		
	13.89			15.78		
	6.04			6.65		
TP 82	5.00	209	4.997	5.62	207	5.617
	3.95			4.58		
	14.99			16.85		
	4.53			7.71		
TP 83	3.48	211	3.477	6.66	210	6.660
	2.42			5.61		
	10.43			19.98		
	5.91			7.24		
TP 84	4.88	206	4.880	6.19	210	6.190
	3.85			5.14		
	14.64			18.57		
	6.21			6.12		
TP 85	5.15	213	5.147	5.09	206	5.090
	4.08			4.06		
	15.44			15.27		
	6.33			6.40		
TP 86	5.26	213	5.263	5.34	213	5.337
	4.20			4.27		
	15.79			16.01		

BM ELEV.	ADJ BM ELEV.	COMMENTS
		· SET PK NL S/E.O.P. NW 50TH DR.
		" " " " " " " "
		" " " E/EOP SR441
		" " " " "
		" " " " "
		" " " " "

4-19-07

SAME CREW

STA	+		MEAN		−		MEAN
	6.63				5.98		
TP 87	5.79	96'	5.787		4.92	213'	4.917
	4.94				3.85		
	17.36				14.75		
					4.82		
					3.98	198'	3.980
					3.14		
					11.94		

BM
32.50

BENCH RUN - CONT.

1176.60

BM ELEV.	ADJ BM ELEV.	COMMENTS
		SET PK NL E/END SR 441
32.56		FND FL. S.R.D. DISK IN CONC. HEADWALL @ SE COR. TAYLOR CREEK BRIDGE ON SR 441. SEE PG 45 THIS BOOK
30,300		ELEV.= 32.50

4-24-07

SAME CREW

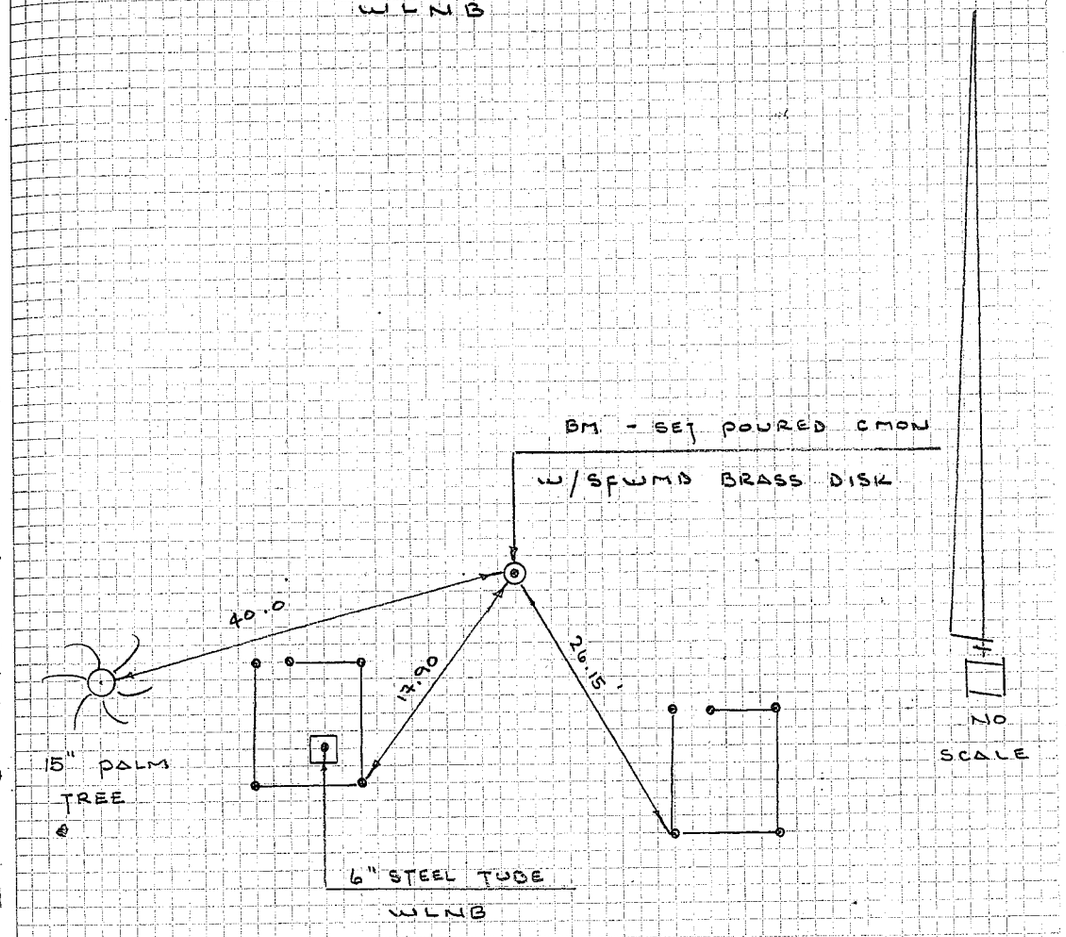
NOTES

1. USED 25' RECTRACTABLE ROD TO MEASURE DOWN 6" STEEL TUBE AND FOUND NO WATER. GROUND WAS @ DEPTH OF 8.37' TO TOP OF TUBE AND PLATFORM.

2. GATE LOCK COMBINATION = 5198 @ NW 50TH DR & 1723 GRASSY ISLAND RANCH

LOCATION SKETCH FOR MONUMENTATION @ 1176-61

"WLNB"



4-24-07
SAME CREW

STA	+		MEAN	HI	−		MEAN
	5.49				2.71		
BM 1	5.44	3	5.443		2.66	3	2.663
"WLNB"	5.40				2.62		
	16.33				7.99		
	3.57				5.38		
TBM 1	2.86	3	2.863	154	4.61	3	4.610
	2.16				3.84		
	8.59				13.83		

TP 44

SET ELEV. @ TOP OF 6" STEEL TUBE AND PLATFORM FOR "WLNB" 1176.62

BM ELEV.	ADJ BM ELEV.	COMMENTS
		FND POURED C MON - SEE PAGE 1176/52
		SHOT @ TOP OF 6" STEEL TUBE AND WOOD PLATFORM. MARKED SQUARE W/ X IN MIDDLE. "WLNB"
		FND H & T - SEE PG 1176/52

Closure Report for file C:\LEVEL\22186

Job No. : 22186
Benchmark No. : BM3257
Starting BM Elev. : 31.320
Ending BM Elev. : 31.280
Unadjusted Ending Elev. : 31.277
Closure Error : -0.003
Length of Level Run : 39,054.000
Allowable Error : 0.082
Units : Feet

Closure is within allowable tolerances

Adjustment proportional to total distance

Pt.#	Unadj. Elev.	Adj. Elev.	Description
BM3257	31.320		
TBM1	29.090	29.090	
TBM2	29.280	29.280	
TBM3	29.370	29.370	
TBM4	30.833	30.833	
TBM5	33.723	33.723	
TBM6	34.453	34.453	
TBM7	35.333	35.333	
TBM8	36.282	36.282	
TBM9	36.879	36.879	
TBM10	36.669	36.669	
TBM11	35.976	35.976	
TBM12	35.856	35.856	
TBM13	36.499	36.499	
TBM14	37.103	37.103	
TBM15	35.063	35.064	
TBM16	33.223	33.224	
TBM17	32.590	32.591	
TBM18	32.597	32.598	
TBM19	33.010	33.011	
TBM20	34.117	34.118	
TBM21	35.707	35.708	
TBM22	36.057	36.058	
TBM23	36.287	36.288	
TBM24	35.630	35.631	
TBM25	34.980	34.981	
TBM26	34.400	34.401	
TBM27	33.997	33.998	
TBM28	33.867	33.868	
TBM29	34.163	34.164	
TBM30	34.003	34.004	
TBM31	34.683	34.684	
TBM32	35.023	35.024	
TBM33	35.073	35.074	
TBM34	34.943	34.944	
TBM35	35.783	35.784	
TBM36	36.217	36.218	
TBM37	35.224	35.225	
TBM38	33.037	33.038	
TBM39	33.567	33.568	
TBM40	32.287	32.288	
TBM41	30.400	30.401	
TBM42	28.436	28.437	
TBM43	26.583	26.584	
TBM44	24.800	24.801	
BM1WLNB	23.767	23.769	
TBM45	25.660	25.662	
TBM46	27.667	27.669	
TBM47	28.654	28.656	
TBM48	31.224	31.226	
TBM49	32.568	32.570	
TBM50	33.358	33.360	
TBM51	33.258	33.260	
TBM52	35.591	35.593	
TBM53	35.251	35.253	
TBM54	34.881	34.883	
TBM55	35.048	35.050	
TBM56	35.061	35.063	
TBM57	34.681	34.683	
TBM58	33.968	33.970	
TBM59	34.145	34.147	
TBM60	33.915	33.917	
TBM61	34.075	34.077	
TBM62	34.478	34.480	
TBM63	35.068	35.070	
TBM64	35.908	35.910	
TBM65	35.964	35.966	
TBM66	36.024	36.026	
TBM67	35.101	35.103	
TBM68	33.541	33.543	
TBM69	32.687	32.689	
TBM70	32.294	32.296	
TBM71	32.607	32.609	
TBM72	34.047	34.049	
TBM73	36.677	36.680	
TBM74	36.821	36.824	
TBM75	35.828	35.831	
TBM76	36.021	36.024	
TBM77	36.367	36.370	
TBM78	36.824	36.827	
TBM79	36.434	36.437	
TBM80	35.854	35.857	
TBM81	34.887	34.890	
TBM82	33.900	33.903	
TBM83	32.237	32.240	
TBM84	29.524	29.527	
TBM85	29.314	29.317	
TBM86	29.124	29.127	
TBM87	29.470	29.473	
BM3250	31.277	31.280	

1176-77

Closure Report for file C:\LEVEL\22186

Job No. : 22186
Benchmark No. : BM1WLNB
Starting BM Elev. : 23.769
Ending BM Elev. : 24.801
Unadjusted Ending Elev. : 24.802
Closure Error : 0.001
Length of Level Run : 313.000
Allowable Error : 0.007
Units : Feet

Closure is within allowable tolerances

Adjustment proportional to total distance

Pt.#	Unadj. Elev.	Adj. Elev.	Description
BM1WLNB	23.769		
WLNB	26.549	26.549	
TBM44	24.802	24.801	

The NGS Data Sheet

```
DATABASE = Sybase , PROGRAM = datasheet, VERSION = 7.42
1        National Geodetic Survey,    Retrieval Date = MAY 3, 2007
DG4290 ***********************************************************************
DG4290  DESIGNATION -  32.57
DG4290  PID         -  DG4290
DG4290  STATE/COUNTY-  FL/OKEECHOBEE
DG4290  USGS QUAD   -  TAYLOR CREEK SE (1972)
DG4290
DG4290                          *CURRENT SURVEY CONTROL
DG4290
DG4290* NAD 83(1986)-  27 17 47.      (N)    080 49 40.      (W)    SCALED
DG4290* NAVD 88     -          9.547  (meters)      31.32   (feet) ADJUSTED
DG4290
DG4290  GEOID HEIGHT-         -26.65  (meters)                      GEOID03
DG4290  DYNAMIC HT  -          9.532  (meters)      31.27   (feet) COMP
DG4290  MODELED GRAV-      979,106.9  (mgal)                        NAVD 88
DG4290
DG4290  VERT ORDER  -  FIRST     CLASS II
DG4290
DG4290.The horizontal coordinates were scaled from a topographic map and have
DG4290.an estimated accuracy of +/- 6 seconds.
DG4290
DG4290.The orthometric height was determined by differential leveling
DG4290.and adjusted by the National Geodetic Survey in May 2004.
DG4290
DG4290.The geoid height was determined by GEOID03.
DG4290
DG4290.The dynamic height is computed by dividing the NAVD 88
DG4290.geopotential number by the normal gravity value computed on the
DG4290.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DG4290.degrees latitude (g = 980.6199 gals.)
DG4290
DG4290.The modeled gravity was interpolated from observed gravity values.
DG4290
DG4290;                      North          East     Units  Estimated Accuracy
DG4290;SPC FL E     -    328,260.       217,050.     MT  (+/- 180 meters Scaled)
DG4290
DG4290                          SUPERSEDED SURVEY CONTROL
DG4290
DG4290.No superseded survey control is available for this station.
DG4290
DG4290.U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL170192(NAD 83)
DG4290_MARKER: DD = SURVEY DISK
DG4290_SETTING: 36 = SET IN A MASSIVE STRUCTURE
DG4290_SP_SET: BRIDGE WINGWALL
DG4290_STAMPING: 32.57
DG4290_MARK LOGO: FLSRD
DG4290_MAGNETIC: N = NO MAGNETIC MATERIAL
DG4290_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DG4290_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DG4290+SATELLITE: SATELLITE OBSERVATIONS - June 01, 2002
DG4290
DG4290  HISTORY    - Date     Condition        Report By
DG4290  HISTORY    - UNK      MONUMENTED       FLSRD
DG4290  HISTORY    - 20020601 GOOD             FLDEP
DG4290
DG4290                          STATION DESCRIPTION
```



```
DG4290
DG4290'DESCRIBED BY FL DEPT OF ENV PRO 2002 (JLM)
DG4290'THE MARK IS ABOUT 3.5 MI NORTH OF OKEECHOBEE, IN SECTION 34, TOWNSHIP
DG4290'36 SOUTH, RANGE 35
DG4290'EAST.
DG4290'
DG4290'TO REACH THE MARK FROM THE INTERSECTION OF STATE ROAD 70 (U.S. HIGHWAY
DG4290'98, PARK STREET)
DG4290'AND U.S. HIGHWAY 441 (PARROTT STREET) IN OKEECHOBEE, GO NORTH ON U.S.
DG4290'HIGHWAY 441
DG4290'(PARROTT STREET) FOR 3.6 MI TO THE NORTH END OF THE BRIDGE SPANNING
DG4290'TAYLOR CREEK AND
DG4290'THE MARK ON THE LEFT, SET FLUSH IN THE TOP OF THE NORTHWEST BRIDGE
DG4290'WINGWALL ABOUT 1.0
DG4290'FT ABOVE THE LEVEL OF U.S. HIGHWAY 441.
DG4290'
DG4290'LOCATED 18.4 FT WEST OF THE CENTERLINE OF U.S. HIGHWAY 441 AND 0.5 FT
DG4290'EAST OF THE WEST
DG4290'END OF THE WINGWALL.
DG4290'

*** retrieval complete.
Elapsed Time = 00:00:00
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1176-78

The NGS Data Sheet

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DATABASE = Sybase , PROGRAM = datasheet, VERSION = 7.42
1        National Geodetic Survey,    Retrieval Date = MAY 3, 2007
DG4289 ***********************************************************************
DG4289  DESIGNATION -  32.50
DG4289  PID         -  DG4289
DG4289  STATE/COUNTY-  FL/OKEECHOBEE
DG4289  USGS QUAD   -  TAYLOR CREEK SE (1972)
DG4289
DG4289                          *CURRENT SURVEY CONTROL
DG4289
DG4289* NAD 83(1986)-  27 17 44.      (N)    080 49 38.      (W)    SCALED
DG4289* NAVD 88     -          9.535  (meters)      31.28   (feet) ADJUSTED
DG4289
DG4289  GEOID HEIGHT-         -26.65  (meters)                      GEOID03
DG4289  DYNAMIC HT  -          9.520  (meters)      31.23   (feet) COMP
DG4289  MODELED GRAV-      979,106.6  (mgal)                        NAVD 88
DG4289
DG4289  VERT ORDER  -  FIRST     CLASS II
DG4289
DG4289.The horizontal coordinates were scaled from a topographic map and have
DG4289.an estimated accuracy of +/- 6 seconds.
DG4289
DG4289.The orthometric height was determined by differential leveling
DG4289.and adjusted by the National Geodetic Survey in May 2004.
DG4289
DG4289.The geoid height was determined by GEOID03.
DG4289
DG4289.The dynamic height is computed by dividing the NAVD 88
DG4289.geopotential number by the normal gravity value computed on the
DG4289.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
DG4289.degrees latitude (g = 980.6199 gals.)
DG4289
DG4289.The modeled gravity was interpolated from observed gravity values.
DG4289
DG4289;                      North          East     Units  Estimated Accuracy
DG4289;SPC FL E     -    328,160.       217,100.     MT  (+/- 180 meters Scaled)
DG4289
DG4289                          SUPERSEDED SURVEY CONTROL
DG4289
DG4289.No superseded survey control is available for this station.
DG4289
DG4289.U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL170191(NAD 83)
DG4289_MARKER: DD = SURVEY DISK
DG4289_SETTING: 36 = SET IN A MASSIVE STRUCTURE
DG4289_SP_SET: BRIDGE WINGWALL
DG4289_STAMPING: 32.50
DG4289_MARK LOGO: FLSRD
DG4289_MAGNETIC: N = NO MAGNETIC MATERIAL
DG4289_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DG4289_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DG4289+SATELLITE: SATELLITE OBSERVATIONS - June 01, 2002
DG4289
DG4289  HISTORY    - Date     Condition        Report By
DG4289  HISTORY    - UNK      MONUMENTED       FLSRD
DG4289  HISTORY    - 20020601 GOOD             FLDEP
DG4289
DG4289                          STATION DESCRIPTION
```



```
DG4289
DG4289'DESCRIBED BY FL DEPT OF ENV PRO 2002 (JLM)
DG4289'THE MARK IS ABOUT 3.5 MI NORTH OF OKEECHOBEE, IN SECTION 34, TOWNSHIP
DG4289'36 SOUTH, RANGE 35
DG4289'EAST.
DG4289'
DG4289'TO REACH THE MARK FROM THE INTERSECTION OF STATE ROAD 70 (U.S. HIGHWAY
DG4289'98, PARK STREET)
DG4289'AND U.S. HIGHWAY 441 (PARROTT STREET) IN OKEECHOBEE, GO NORTH ON U.S.
DG4289'HIGHWAY 441
DG4289'(PARROTT STREET) FOR 3.55 MI TO THE SOUTH END OF THE BRIDGE SPANNING
DG4289'TAYLOR CREEK AND
DG4289'THE MARK ON THE RIGHT, SET FLUSH IN THE TOP OF THE SOUTHEAST BRIDGE
DG4289'WINGWALL ABOUT 1.7
DG4289'FT ABOVE THE LEVEL OF THE GROUND AND ABOUT 1.0 FT ABOVE THE LEVEL OF
DG4289'U.S. HIGHWAY 441.
DG4289'
DG4289'LOCATED 18.4 FT EAST OF THE CENTERLINE OF U.S. HIGHWAY 441 AND 0.5 FT
DG4289'WEST OF THE EAST END
DG4289'OF THE WINGWALL.
DG4289'

*** retrieval complete.
Elapsed Time = 00:00:00
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Identification_Information:
        Citation:
                Citation_Information:
                        Originator: Ernesto Garcia, P.S.M.(ed.)
                        Publication_Date: 20070607
                        Publication_Time: Unknown
                        Title: S.F.W.M.D. Monitoring Well
                        Edition: Well Site WLNB
                        Series_Information:
                        Publication_Information:
                                Publication_Place: Not Published
                                Publisher: None
                        Online_Linkage: egarica@keithandschnars.com
                        Larger_Work_Citation:
                                Citation_Information:
                                        Series_Information:
                                        Publication_Information:
        Description:
                Abstract:
                        South Florida Water Management District
                        Well Site WLNB
                Purpose:
                        To establish reference elevations in NAVD 1988 and
                        NGVD 1929 datum at the Monitoring Well(s).
        Time_Period_of_Content:
                Time_Period_Information:
                        Single_Date/Time:
                                Calendar_Date: 20070607
                        Range_of_Dates/Times:
                        Multiple_Dates/Times:
                Currentness_Reference: Publication Date
        Status:
                Progress: Complete
                Maintenance_and_Update_Frequency: Unknown
        Spatial_Domain:
                Bounding_Coordinates:
                        West_Bounding_Coordinate: 80°50'28"
                        East_Bounding_Coordinate: 80°50'28"
                        North_Bounding_Coordinate: 27°19'16"
                        South_Bounding_Coordinate: 27°19'16"
        Keywords:
                Theme:
                        Theme_Keyword_Thesaurus: Specific Purpose Survey
                        Theme_Keyword: Monitoring Well(s)
                Place:
                        Place_Keyword_Thesaurus: Okeechobee County
                        Place_Keyword: S.F.W.M.D. Monitoring Well WLNB
                        Place_Keyword: SEC. 21 - T36S - R34E
                Stratum:
                Temporal:
        Access_Constraints:
                Key for lock needed to gain access to Monitoring
                Wells. Lock combination 5198
        Use_Constraints: None
        Point_of_Contact:
                Contact_Information:
                        Contact_Person_Primary:
                                Contact_Person: Howard J. Ehmke
                                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
            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
    Security_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 was collected
            using a Wild NA2 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_Consistency_Report:
        Vertical data on the monitoring well was established
        using the site bench mark.
    Completeness_Report:
        27.739' (NGVD 1929)  WLNB Monitoring Well.
        Offset written at well (-) 1.19' to NAVD 1988.
    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. 27°19'16" Long.
80°50'28"
                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: 0.003 ft. NAVD88
                Vertical_Positional_Accuracy_Explanation: Better than
0.03ft. x sq. root of miles of the level loop.
    Lineage:
        Source_Information:
            Source_Citation:
                Citation_Information:
                    Series_Information:
                    Publication_Information:
                    Larger_Work_Citation:
                        Citation_Information:
                            Series_Information:
                            Publication_Information:
            Source_Time_Period_of_Content:
                Time_Period_Information:
                    Single_Date/Time:
                    Range_of_Dates/Times:
                    Multiple_Dates/Times:
        Process_Step:
            Process_Description:
                Differential leveling was performed using a Topcon Wild
                NA2 level. The onsite benchmark FG-1 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: 20070607
            Process_Contact:
                Contact_Information:
                    Contact_Person_Primary:
                    Contact_Organization_Primary:
```

Contact_Address:
Spatial_Data_Organization_Information:
Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Geographic:
Latitude_Resolution: 27°19'16"
Longitude_Resolution: 80°50'28"
Geographic_Coordinate_Units: Degrees, minutes, and decimal seconds
Geodetic_Model:
Vertical_Coordinate_System_Definition:
Altitude_System_Definition:
Depth_System_Definition:
Entity_and_Attribute_Information:
Detailed_Description:
Entity_Type:
Attribute:
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: Ernesto J. Garcia, P.S.M.
Contact_Position: Project Manager 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
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Dialup_Instructions:
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: 20070607
Metadata_Contact:
Contact_Information:
Contact_Person_Primary:
Contact_Person: Ernesto J. Garcia, P.S.M.
Contact_Organization: Keith and Schnars, P.A.
Contact_Organization_Primary:
Contact_Position: Project Manager 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
Metadata_Security_Information:

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

COUNTY **Okeechobee**	**PROJECT**	**DESIGNATION** **Structure : WLNB**
SECTION 21	**TOWNSHIP 36 SOUTH**	**RANGE 34 EAST**

GEOGRAPHIC INDEX OF QUAD

Established by: **Keith & Schnars.**	**NAME OF QUADRANGLE** **TAYLOR CREEK SE (1972)**
SURVEYOR B. Simmons **DATE 04/24/2007**	**FIELD BOOK 1176 pgs. 45-62,77**

HORIZONTAL DATUM: **1983** ZONE **East**

VERTICAL DATUM: NGVD 1929 and NAVD 1988

CONTROL ACCURACY: HORIZONTAL Coordinates by Hand-Held GPS (+/- 3-meter), 3rd Order VERTICAL

STATE PLANE COORDINATES	**X = 707756**	**Y = 1085933**	**EL. (NGVD 1929)** **27.740'** **EL. (NAVD 1988)** **26.549'**

LATITUDE **27º19'12"** LONGITUDE **-80º50'30"**

DESCRIPTION

South Florida Water Management District 3-1/2" brass disk set in poured concrete and stamped "WLNB 2007".

The Benchmark is north of the City of Okeechobee in Section 21, Township 36 South, Range 34 East.

To reach the mark from the intersection of US Hwy 441 (Parrot Avenue), and NW 50th Drive, go west and north Along NW 50th Drive 2.93 miles to a gate on the east side of the road. Go through gate and meander east and South along a tree line 0.71 miles to the site.

Lock combo 5198

Notable Land marks:,

SKETCH

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 4/01

The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

```
DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.42
1        National Geodetic Survey,   Retrieval Date = FEBRUARY 23, 2007
 DG4290 ***********************************************************************
 DG4290  DESIGNATION -  32.57
 DG4290  PID         -  DG4290
 DG4290  STATE/COUNTY-  FL/OKEECHOBEE
 DG4290  USGS QUAD   -  TAYLOR CREEK SE (1972)
 DG4290
 DG4290                          *CURRENT SURVEY CONTROL
 DG4290  ______________________________________________________________________
 DG4290* NAD 83(1986)-  27 17 47.      (N)    080 49 40.      (W)      SCALED
 DG4290* NAVD 88     -          9.547  (meters)      31.32   (feet)   ADJUSTED
 DG4290  ______________________________________________________________________
 DG4290  GEOID HEIGHT-         -26.65  (meters)                       GEOID03
 DG4290  DYNAMIC HT  -           9.532 (meters)       31.27  (feet)   COMP
 DG4290  MODELED GRAV-      979,106.9   (mgal)                         NAVD 88
 DG4290
 DG4290  VERT ORDER  -  FIRST     CLASS II
 DG4290
 DG4290.The horizontal coordinates were scaled from a topographic map and have
 DG4290.an estimated accuracy of +/- 6 seconds.
 DG4290
 DG4290.The orthometric height was determined by differential leveling
 DG4290.and adjusted by the National Geodetic Survey in May 2004..
 DG4290
 DG4290.The geoid height was determined by GEOID03.
 DG4290
 DG4290.The dynamic height is computed by dividing the NAVD 88
 DG4290.geopotential number by the normal gravity value computed on the
 DG4290.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 DG4290.degrees latitude (g = 980.6199 gals.).
 DG4290
 DG4290.The modeled gravity was interpolated from observed gravity values.
 DG4290
 DG4290;                     North         East     Units  Estimated Accuracy
 DG4290;SPC FL E     -   328,260.      217,050.      MT  (+/- 180 meters Scaled)
 DG4290
 DG4290                          SUPERSEDED SURVEY CONTROL
 DG4290
 DG4290.No superseded survey control is available for this station.
 DG4290
 DG4290_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL170192(NAD 83)
 DG4290_MARKER: DD = SURVEY DISK
 DG4290_SETTING: 36 = SET IN A MASSIVE STRUCTURE
 DG4290_SP_SET: BRIDGE WINGWALL
 DG4290_STAMPING: 32.57
 DG4290_MARK LOGO: FLSRD
 DG4290_MAGNETIC: N = NO MAGNETIC MATERIAL
 DG4290_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
 DG4290_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 DG4290+SATELLITE: SATELLITE OBSERVATIONS - June 01, 2002
 DG4290
 DG4290  HISTORY     - Date     Condition        Report By
 DG4290  HISTORY     - UNK      MONUMENTED       FLSRD
 DG4290  HISTORY     - 20020601 GOOD             FLDEP
 DG4290
 DG4290                           STATION DESCRIPTION
 DG4290
 DG4290'DESCRIBED BY FL DEPT OF ENV PRO 2002 (JLM)
 DG4290'THE MARK IS ABOUT 3.5 MI NORTH OF OKEECHOBEE, IN SECTION 34, TOWNSHIP
 DG4290'36 SOUTH, RANGE 35
 DG4290'EAST.
 DG4290'
 DG4290'TO REACH THE MARK FROM THE INTERSECTION OF STATE ROAD 70 (U.S. HIGHWAY
 DG4290'98, PARK STREET)
 DG4290'AND U.S. HIGHWAY 441 (PARROTT STREET) IN OKEECHOBEE, GO NORTH ON U.S.
 DG4290'HIGHWAY 441
 DG4290'(PARROTT STREET) FOR 3.6 MI TO THE NORTH END OF THE BRIDGE SPANNING
 DG4290'TAYLOR CREEK AND
```

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DG4290'THE MARK ON THE LEFT, SET FLUSH IN THE TOP OF THE NORTHWEST BRIDGE
DG4290'WINGWALL ABOUT 1.0
DG4290'FT ABOVE THE LEVEL OF U.S. HIGHWAY 441.
DG4290'
DG4290'LOCATED 18.4 FT WEST OF THE CENTERLINE OF U.S. HIGHWAY 441 AND 0.5 FT
DG4290'EAST OF THE WEST
DG4290'END OF THE WINGWALL.
DG4290'

*** retrieval complete.
Elapsed Time = 00:00:00
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The NGS Data Sheet

See file dsdata.txt for more information about the datasheet.

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DATABASE = Sybase ,PROGRAM = datasheet, VERSION = 7.42
1        National Geodetic Survey,   Retrieval Date = FEBRUARY 23, 2007
 DG4289 ***********************************************************************
 DG4289  DESIGNATION -  32.50
 DG4289  PID         -  DG4289
 DG4289  STATE/COUNTY-  FL/OKEECHOBEE
 DG4289  USGS QUAD   -  TAYLOR CREEK SE (1972)
 DG4289
 DG4289                          *CURRENT SURVEY CONTROL
 DG4289  ______________________________________________________________________
 DG4289* NAD 83(1986)-  27 17 44.      (N)    080 49 38.      (W)      SCALED
 DG4289* NAVD 88     -          9.535  (meters)      31.28   (feet)   ADJUSTED
 DG4289  ______________________________________________________________________
 DG4289  GEOID HEIGHT-         -26.65  (meters)                       GEOID03
 DG4289  DYNAMIC HT  -           9.520 (meters)       31.23  (feet)   COMP
 DG4289  MODELED GRAV-      979,106.6   (mgal)                         NAVD 88
 DG4289
 DG4289  VERT ORDER  -  FIRST     CLASS II
 DG4289
 DG4289.The horizontal coordinates were scaled from a topographic map and have
 DG4289.an estimated accuracy of +/- 6 seconds.
 DG4289
 DG4289.The orthometric height was determined by differential leveling
 DG4289.and adjusted by the National Geodetic Survey in May 2004..
 DG4289
 DG4289.The geoid height was determined by GEOID03.
 DG4289
 DG4289.The dynamic height is computed by dividing the NAVD 88
 DG4289.geopotential number by the normal gravity value computed on the
 DG4289.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 DG4289.degrees latitude (g = 980.6199 gals.).
 DG4289
 DG4289.The modeled gravity was interpolated from observed gravity values.
 DG4289
 DG4289;                     North         East     Units  Estimated Accuracy
 DG4289;SPC FL E     -   328,160.      217,100.      MT  (+/- 180 meters Scaled)
 DG4289
 DG4289                           SUPERSEDED SURVEY CONTROL
 DG4289
 DG4289.No superseded survey control is available for this station.
 DG4289
 DG4289_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNL170191(NAD 83)
 DG4289_MARKER: DD = SURVEY DISK
 DG4289_SETTING: 36 = SET IN A MASSIVE STRUCTURE
 DG4289_SP_SET: BRIDGE WINGWALL
 DG4289_STAMPING: 32.50
 DG4289_MARK LOGO: FLSRD
 DG4289_MAGNETIC: N = NO MAGNETIC MATERIAL
 DG4289_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
 DG4289_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
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 DG4289'EAST.
 DG4289'
 DG4289'TO REACH THE MARK FROM THE INTERSECTION OF STATE ROAD 70 (U.S. HIGHWAY
 DG4289'98, PARK STREET)
 DG4289'AND U.S. HIGHWAY 441 (PARROTT STREET) IN OKEECHOBEE, GO NORTH ON U.S.
 DG4289'HIGHWAY 441
 DG4289'(PARROTT STREET) FOR 3.55 MI TO THE SOUTH END OF THE BRIDGE SPANNING
 DG4289'TAYLOR CREEK AND
```

DG4289'THE MARK ON THE RIGHT, SET FLUSH IN THE TOP OF THE SOUTHEAST BRIDGE
DG4289'WINGWALL ABOUT 1.7
DG4289'FT ABOVE THE LEVEL OF THE GROUND AND ABOUT 1.0 FT ABOVE THE LEVEL OF
DG4289'U.S. HIGHWAY 441.
DG4289'
DG4289'LOCATED 18.4 FT EAST OF THE CENTERLINE OF U.S. HIGHWAY 441 AND 0.5 FT
DG4289'WEST OF THE EAST END
DG4289'OF THE WINGWALL.
DG4289'

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