



South Florida Water Management District Benchmark Database

Report run on: March 18, 2008 1:28 PM

Designation: ROTSOUTH	Latitude: 262128.200	Scaled values only
County: PALM BEACH	Longitude: 804854.000	
USGS Quad: NORTH OF LONE PALM HEAD	Monument By: SFWMD	
Project: ROT SOUTH WELL SITE	Year: 1994	
Sec: 27 Twp: 47 Rge: 35	Type: V	
Status:	Stamping: ROT-SOUTH 1994	
NAD 1927 Coordinates:	Party Chief: EBANKS	
N =	Field Book HOLEY LANDS 27	
E =	Page: 34	
Adjustment:	NGVD 1929	
NAD 1983 Coordinates:	Elevation: 14.810 14.7630725'	
X =	Order: 3	
Y =	Class:	
Adjustment:	NAVD 1988	
Order:	Elevation: 13.374 13.3687183333'	
Class:	Order: 3	
	Class:	

Description:

SUPERSEDED EL. 15.055 NGVD 1929
7/24/97 SCOTT REVISED ELEVATION
BENCHMARK (BM) IS A SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) ALUMINUM CAP SET IN A 1-1/2-INCH GALVANIZED PIPE DRIVEN TO REFUSAL. THE PIPE IS SET IN 6-INCH POLYVINYLCHLORIDE (PVC) PIPE FILLED WITH CONCRETE 2 FEET MORE OR LESS ABOVE THE WATER LEVEL AND IS ON THE EAST SIDE OF THE WELL PLATFORM.

BM IS STAMPED "ROT-SOUTH" 1994.

NGS SOURCE BENCHMARK L 4 2 (PID A11492) EL. 17.474 NAVD 1988
CORPSCON EL. 18.91 NGVD 1929

ROT-SOUTH WELL DATA
EL. 17.79 NGVD 1929 "X" MARK UNDER COVER WELL #32858
EL. 16.354 NAVD 1988



BM ROTS
set by SFWMD

09/09/2008



10/06/2008



10/06/2008



09/09/2008



South Florida Water Management District Benchmark Database

Report run on: March 18, 2008 1:13 PM

Designation: L42
County: BROWARD
USGS Quad: NORTH OF LONE PALM HEAD
Project: L-4
Sec: 12 Twp: 48 Rge: 35
Status: GOOD

Latitude: 261953.000 Scaled values only
Longitude: 804846.000
Monument By: SFWMD
Year: 1980
Type: V
Stamping: BM L-4-2 1980
Party Chief: PAUL RANKIN
Field Book
Page:

NAD 1927 Coordinates:

N =
E =

Adjustment:

NAD 1983 Coordinates:

X =
Y =

Adjustment:

Order:
Class:

NGVD 1929
Elevation: 18.910
Order: 1
Class: II

NAVD 1988
Elevation: 17.474
Order: 1
Class: II

Description:

VERTCON EL. 18.91 NGVD 1929
SUPERSEDED EL. 19.158 NGVD 1929
SUPERSEDED EL. 18.86 NGVD 1929

FLDEP Preliminary Adjustment
5.32262m (17.462629116666') NAVD88
5.74762m (18.856983283333') NGVD29
0.425m (1.39435416666')

***** RECOVERY NOTE*****
10/03/1996 ROBBIE BROWNING FIELDBOOK SWTA2, PAGE 51 BM ALUMINUM DISK
STAMPED "L-4-2 1980" 6-INCHES BELOW CENTERLINE OF LEVEE
EL.18.86 NGVD 1929
11/10/94 EBANKS FIELD BOOK HOLEY LANDS27 PAGES 28&29 BM IS SFWMD ALUM. CAP
FOND ON TURN-AROUND 2.38 MILES WEST OF PUMP STATION 8 ON L-4
EL.18.91 NGVD 1929
*****L25732-1 SOUTH
OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION. LEVELING WEST ON LEVEE 1E (ROGERS
ROAD) TO THE INTERSECTION OF LEVEE 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE
INTERSECTION OF LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.
P R E L I M I N A R Y

***** RECOVERY DESCRIPTION *****

SSN: 0007
DESCRIPTION: L4 2
PID:
APPROX. LATITUDE: N261952 STATE: FL
APPROX. LONGITUDE: W0804847 COUNTY: BROWARD
STAMPING: BM L-4-2 1980 DISK FROM: SFWMD
SURFACE MARK- QUAD:
TYPE: SURVEY DISK
MAGNETIC CODE: N
SETTING: SET INTO THE TOP OF A CONCRETE MONUMENT
ROD DEPTH: SLEEVE DEPTH:

****MARK IS SUITABLE FOR GPS

RECOVERED IN GOOD CONDITION BY - FLDEP ON 09081996, CHIEF OF PARTY VAJ.

PRELIMINARY ADJUSTMENT 18.926 (FEET) NGVD 1929 (06-NOV-1996)



South Florida Water Management District Benchmark Database

Report run on: March 18, 2008 1:13 PM

18.857 (FEET) NGVD 1929 (06-JAN-1997)
17.486 (FEET) NAVD 1988 (04-NOV-1996)
17.463 (FEET) NAVD 1988 (06-JAN-1997)

THE MARK IS ABOUT 29.9 MI (48.1 KM) SOUTH-SOUTHEAST OF CLEWISTON, 25.6 MI (41.2 KM) SOUTH-SOUTHWEST OF BELLE GLADE IN ESTIMATED SECTION 11, TOWNSHIP 48 SOUTH, RANGE 35 EAST.

TO REACH THE MARK FROM THE POST OFFICE IN LAKE HARBOR, GO SOUTHERLY ON THE MIAMI CANAL ROAD (WEST SIDE OF CANAL) FOR 0.65 MI (1.05 KM) TO THE END OF THE PAVEMENT, CONTINUE SOUTHERLY ON THE MIAMI CANAL ROAD FOR 2.35 MI (3.78 KM) TO THE JUNCTION OF ROGERS ROAD ON THE RIGHT, CONTINUE SOUTHERLY ON THE MIAMI CANAL ROAD FOR 6.25 MI (10.06 KM) TO THE INTERSECTION OF A PAVED ROAD, TURN LEFT ON THE PAVED ROAD AND GO EASTERLY FOR 0.05 MI (0.08 KM) TO THE EAST SIDE OF THE MIAMI CANAL AND A DIRT LEVEE ROAD ON THE RIGHT, TURN RIGHT ON THE DIRT LEVEE ROAD AND GO SOUTHERLY FOR 16.85 MI (27.12 KM) TO THE Y-JUNCTION OF LEVEE ROAD NUMBER L-5 (NORTH SIDE OF CANAL), TURN RIGHT ON LEVEE ROAD NUMBER L-5 AND GO SOUTH FOR 0.05 MI (0.08 KM) TO THE SOUTH SIDE OF THE CANAL AND THE T-JUNCTION OF LEVEE ROAD NUMBER L-5, TURN RIGHT ON LEVEE ROAD NUMBER L-5 AND GO WEST FOR 0.05 MI (0.08 KM) TO PUMP STATION NUMBER 8, CONTINUE WEST ON LEVEE ROAD NUMBER L-4 (SOUTH SIDE OF CANAL) FOR 2.45 MI (3.94 KM) TO A TURNOUT ON THE RIGHT AND THE MARK SET IN THE APPROXIMATE CENTER OF THE LEVEE ROAD RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE ROAD.

LOCATED 83.6 FT (25.5 M) SOUTH OF THE TOP SCARP AT THE SOUTH SIDE OF THE L-4 CANAL, 70.6 FT (21.5 M) EAST OF THE APPROXIMATE WEST END OF THE TURNOUT, 50.3 FT (15.3 M) WEST OF THE APPROXIMATE EAST END OF THE TURNOUT AND 39.7 FT (12.1 M) SOUTH OF A CARSONITE WITNESS POST. NOTE CONTACT GENE TANNER, SOUTH FLORIDA WATER MANAGEMENT, REGIONAL DIRECTOR, CLEWISTON FIELD STATION, PHONE NUMBER 813-983-1431.

THE NGS DATA SHEET

SEE FILE DSDATA.TXT FOR MORE INFORMATION ABOUT THE DATASHEET.

DATABASE = SYBASE ,PROGRAM = DATASHEET, VERSION = 6.56

1 NATIONAL GEODETIC SURVEY, RETRIEVAL DATE = DECEMBER 6, 2001

AI1492 *****

AI1492 DESIGNATION - L 4 2

AI1492 PID - AI1492

AI1492 STATE/COUNTY- FL/BROWARD

AI1492 USGS QUAD - NORTH OF LONE PALM (1979)

AI1492

AI1492 *CURRENT SURVEY CONTROL

AI1492

AI1492* NAD 83(1986)- 26 19 53. (N) 080 48 46. (W) SCALED

AI1492* NAVD 88 - 5.326 (METERS) 17.47 (FEET) ADJUSTED

AI1492

AI1492 GEOID HEIGHT- -24.78 (METERS) GEOID99

AI1492 DYNAMIC HT - 5.318 (METERS) 17.45 (FEET) COMP

AI1492 MODELED GRAV- 979,059.4 (MGAL) NAVD 88

AI1492

AI1492 VERT ORDER - FIRST CLASS II

AI1492

AI1492.THE HORIZONTAL COORDINATES WERE SCALED FROM A TOPOGRAPHIC MAP AND HAVE

AI1492.AN ESTIMATED ACCURACY OF +/- 6 SECONDS.

AI1492

AI1492.THE ORTHOMETRIC HEIGHT WAS DETERMINED BY DIFFERENTIAL LEVELING

AI1492.AND ADJUSTED BY THE NATIONAL GEODETIC SURVEY IN OCTOBER 1999.

AI1492

AI1492.THE GEOID HEIGHT WAS DETERMINED BY GEOID99.



South Florida Water Management District Benchmark Database

Report run on: March 18, 2008 1:13 PM

AI1492
AI1492.THE DYNAMIC HEIGHT IS COMPUTED BY DIVIDING THE NAVD 88
AI1492.GEOPOTENTIAL NUMBER BY THE NORMAL GRAVITY VALUE COMPUTED ON THE
AI1492.GEODETIC REFERENCE SYSTEM OF 1980 (GRS 80) ELLIPSOID AT 45
AI1492.DEGREES LATITUDE (G = 980.6199 GALS.).
AI1492
AI1492.THE MODELED GRAVITY WAS INTERPOLATED FROM OBSERVED GRAVITY VALUES.
AI1492
AI1492; NORTH EAST UNITS ESTIMATED ACCURACY
AI1492;SPC FL E - 221,340. 218,690. MT (+/- 180 METERS SCALED)
AI1492
AI1492 SUPERSEDED SURVEY CONTROL
AI1492
AI1492.NO SUPERSEDED SURVEY CONTROL IS AVAILABLE FOR THIS STATION.
AI1492
AI1492_MARKER: DD = SURVEY DISK
AI1492_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AI1492_STAMPING: BM L-4-2 1980
AI1492_MARK LOGO: SFLWMD
AI1492_MAGNETIC: N = NO MAGNETIC MATERIAL
AI1492_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AI1492+STABILITY: SURFACE MOTION
AI1492_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AI1492+SATELLITE: SATELLITE OBSERVATIONS - SEPTEMBER 08, 1996
AI1492
AI1492 HISTORY - DATE CONDITION REPORT BY
AI1492 HISTORY - 1980 MONUMENTED SFLWMD
AI1492 HISTORY - 19960908 GOOD FLDEP
AI1492
AI1492 STATION DESCRIPTION
AI1492
AI1492'DESCRIBED BY FL DEPT OF ENV PRO 1996 (VAJ)
AI1492'THE MARK IS ABOUT 29.9 MI (48.1 KM) SOUTH-SOUTHEAST OF CLEWISTON, 25.6
AI1492'MI (41.2 KM) SOUTH-SOUTHWEST OF BELLE GLADE IN ESTIMATED SECTION 11,
AI1492'TOWNSHIP 48 SOUTH, RANGE 35 EAST. TO REACH THE MARK FROM THE POST
AI1492'OFFICE IN LAKE HARBOR, GO SOUTHERLY ON THE MIAMI CANAL ROAD (WEST SIDE
AI1492'OF CANAL) FOR 0.65 MI (1.05 KM) TO THE END OF THE PAVEMENT, CONTINUE
AI1492'SOUTHERLY ON THE MIAMI CANAL ROAD FOR 2.35 MI (3.78 KM) TO THE
AI1492'JUNCTION OF ROGERS ROAD ON THE RIGHT, CONTINUE SOUTHERLY ON THE MIAMI
AI1492'CANAL ROAD FOR 6.25 MI (10.06 KM) TO THE INTERSECTION OF A PAVED ROAD,
AI1492'TURN LEFT ON THE PAVED ROAD AND GO EASTERLY FOR 0.05 MI (0.08 KM) TO
AI1492'THE EAST SIDE OF THE MIAMI CANAL AND A DIRT LEVEE ROAD ON THE RIGHT,
AI1492'TURN RIGHT ON THE DIRT LEVEE ROAD AND GO SOUTHERLY FOR 16.85 MI (27.12
AI1492'KM) TO THE Y-JUNCTION OF LEVEE ROAD NUMBER L-5 (NORTH SIDE OF CANAL) ,
AI1492'TURN RIGHT ON LEVEE ROAD NUMBER L-5 AND GO SOUTH FOR 0.05 MI (0.08 KM)
AI1492'TO THE SOUTH SIDE OF THE CANAL AND THE T-JUNCTION OF LEVEE ROAD NUMBER
AI1492'L-5, TURN RIGHT ON LEVEE ROAD NUMBER L-5 AND GO WEST FOR 0.05 MI (0.08
AI1492'KM) TO PUMP STATION NUMBER 8, CONTINUE WEST ON LEVEE ROAD NUMBER L-4
AI1492'(SOUTH SIDE OF CANAL) FOR 2.45 MI (3.94 KM) TO A TURNOUT ON THE RIGHT
AI1492'AND THE MARK SET IN THE APPROXIMATE CENTER OF THE LEVEE ROAD RECESSED
AI1492'0.3 FT (9.1 CM) BELOW THE LEVEL OF THE ROAD. LOCATED 83.6 FT (25.5 M)
AI1492'SOUTH OF THE TOP SCARP AT THE SOUTH SIDE OF THE L-4 CANAL, 70.6 FT
AI1492'(21.5 M) EAST OF THE APPROXIMATE WEST END OF THE TURNOUT, 50.3 FT
AI1492'(15.3 M) WEST OF THE APPROXIMATE EAST END OF THE TURNOUT AND 39.7 FT
AI1492'(12.1 M) SOUTH OF A CARSONITE WITNESS POST. NOTE CONTACT GENE TANNER,
AI1492'SOUTH FLORIDA WATER MANAGEMENT, REGIONAL DIRECTOR, CLEWISTON FIELD
AI1492'STATION, PHONE NUMBER 813-983-1431.



South Florida Water Management District Benchmark Database

Report run on: March 18, 2008 1:13 PM

*** RETRIEVAL COMPLETE.
ELAPSED TIME = 00:00:02

The NGS Data Sheet

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

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DATABASE = ,PROGRAM = datasheet, VERSION = 7.58
1 National Geodetic Survey, Retrieval Date = MARCH 18, 2008
AI1492 *****
AI1492 DESIGNATION - L 4 2
AI1492 PID - AI1492
AI1492 STATE/COUNTY- FL/BROWARD
AI1492 USGS QUAD - NORTH OF LONE PALM (1979)
AI1492
AI1492 *CURRENT SURVEY CONTROL
AI1492
AI1492 * NAD 83(1986)- 26 19 53. (N) 080 48 46. (W) SCALED
AI1492 * NAVD 88 - 5.326 (meters) 17.47 (feet) ADJUSTED
AI1492
AI1492 GEOID HEIGHT- -24.79 (meters) GEOID03
AI1492 DYNAMIC HT - 5.318 (meters) 17.45 (feet) COMP
AI1492 MODELED GRAV- 979,059.4 (mgal) NAVD 88
AI1492
AI1492 VERT ORDER - FIRST CLASS II
AI1492
AI1492 The horizontal coordinates were scaled from a topographic map and have
AI1492 an estimated accuracy of +/- 6 seconds.
AI1492
AI1492 The orthometric height was determined by differential leveling
AI1492 and adjusted in October 1999.
AI1492
AI1492 The geoid height was determined by GEOID03.
AI1492
AI1492 The dynamic height is computed by dividing the NAVD 88
AI1492 geopotential number by the normal gravity value computed on the
AI1492 Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AI1492 degrees latitude (g = 980.6199 gals.).
AI1492
AI1492 The modeled gravity was interpolated from observed gravity values.
AI1492
AI1492; North East Units Estimated Accuracy
AI1492; SPC FL E - 221,340. 218,690. MT (+/- 180 meters Scaled)
AI1492
AI1492 SUPERSEDED SURVEY CONTROL
AI1492
AI1492 No superseded survey control is available for this station.
AI1492
AI1492 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNK186123(NAD 83)
AI1492 MARKER: DD = SURVEY DISK
AI1492 SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
AI1492 STAMPING: BM L-4-2 1980
AI1492 MARK LOGO: SFLWMD
AI1492 MAGNETIC: N = NO MAGNETIC MATERIAL
AI1492 STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
AI1492+STABILITY: SURFACE MOTION
AI1492+SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
AI1492+SATELLITE: SATELLITE OBSERVATIONS - September 08, 1996
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AI1492 HISTORY - Date Condition Report By
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AI1492 JUNCTION OF ROGERS ROAD ON THE RIGHT, CONTINUE SOUTHERLY ON THE MIAMI
AI1492 CANAL ROAD FOR 6.25 MI (10.06 KM) TO THE INTERSECTION OF A PAVED ROAD,
AI1492 TURN LEFT ON THE PAVED ROAD AND GO EASTERLY FOR 0.05 MI (0.08 KM) TO
AI1492 THE EAST SIDE OF THE MIAMI CANAL AND A DIRT LEVEE ROAD ON THE RIGHT,

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DATASHEETS

A11492' TURN RIGHT ON THE DIRT LEVEE ROAD AND GO SOUTHERLY FOR 16.85 MI (27.12
A11492' KM) TO THE Y-JUNCTION OF LEVEE ROAD NUMBER L-5 (NORTH SIDE OF CANAL) ,
A11492' TURN RIGHT ON LEVEE ROAD NUMBER L-5 AND GO SOUTH FOR 0.05 MI (0.08 KM)
A11492' TO THE SOUTH SIDE OF THE CANAL AND THE T-JUNCTION OF LEVEE ROAD NUMBER
A11492' L-5, TURN RIGHT ON LEVEE ROAD NUMBER L-5 AND GO WEST FOR 0.05 MI (0.08
A11492' KM) TO PUMP STATION NUMBER 8, CONTINUE WEST ON LEVEE ROAD NUMBER L-4
A11492' (SOUTH SIDE OF CANAL) FOR 2.45 MI (3.94 KM) TO A TURNOUT ON THE RIGHT
A11492' AND THE MARK SET IN THE APPROXIMATE CENTER OF THE LEVEE ROAD RECESSED
A11492' 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE ROAD. LOCATED 83.6 FT (25.5 M)
A11492' SOUTH OF THE TOP SCARP AT THE SOUTH SIDE OF THE L-4 CANAL, 70.6 FT
A11492' (21.5 M) EAST OF THE APPROXIMATE WEST END OF THE TURNOUT, 50.3 FT
A11492' (15.3 M) WEST OF THE APPROXIMATE EAST END OF THE TURNOUT AND 39.7 FT
A11492' (12.1 M) SOUTH OF A CARSONITE WITNESS POST. NOTE CONTACT GENE TANNER,
A11492' SOUTH FLORIDA WATER MANAGEMENT, REGIONAL DIRECTOR, CLEWISTON FIELD
A11492' STATION, PHONE NUMBER 813-983-1431.

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

Survey Monument BenchMark Database Search

Designation	Rot1	Latitude	261958.1	26° 19' 57.9"
County	Palm beach	Longitude	804858.1	80° 48' 58.2"
Quad	Everglades 2 se	Monument	Sfwmd	
Project	L-4	Year Set	1994	
S/T/R	3 48 35	Type	V	
Status		Stamping	Rot-1 1994	
		Party Chief	Ebanks	
NAD 1927		FB	Holeylands 27	
N:		Pg	30	
E:		NGVD 1929		
Adjustment		Elevation	14.83	14.5880725'
NAD 1983		Order	3	
N:		Class		
E:		NAVD 1988		
Adjustment		Elevation	13.1937183333'	
Order		Order		
Class		Class		

[Back](#)

To Reach: From South Florida Water Management District's Structure 8 at the intersection of the Miami Canal and Levee 4, proceed West along said Levee 4, 2.48 miles to a Florida Power and Light (FP&L) Electrical tower (Airplane #12164) and the benchmark location.

The benchmark is a South Florida Water Management District aluminum disk set in top of the footer of the north leg of the FP&L tower (pole #12164) stamped "BM ROT-1 1994."

BM IS SFWMD ALUM. CAP SET TOP OF CONC. FOOTING (FPL TOWER) AIRPLANE #12164. BM IS STAMPED "ROT-1 1994" BM IS ON N. SIDE OF TOWER.

Survey Monument Benchmark Database Search

Designation	Rot2	Latitude	26° 20' 41.9"
County	Palm beach	Longitude	80° 48' 46"
Quad	Everglades 2 se	Monument	Sfwmd
Project	L-4	Year Set	1994
S/T/R	3 48 35	Type	V
Status		Stamping	Rot-2 1994
		Party Chief	Ebanks
NAD 1927		FB	Holey
N:		Pg	31
E:		NGVD 1929	
Adjustment		Elevation	15.26 14.9680725'
NAD 1983		Order	3
N:		Class	
E:		NAVD 1988	
Adjustment		Elevation	13.5737183333'
Order		Order	
Class		Class	

[Back](#)

To Reach: From South Florida Water Management District's Structure 8 at the intersection of the Miami Canal and Levee 4, proceed West along said Levee 4, 2.48 miles to a Florida Power and Light Electrical (FP&L) tower (Airplane #12164); thence, North 14° East (compass), a distance of 4572 feet more or less to the benchmark location.

The benchmark is a South Florida Water Management District aluminum disk set in top of a 1-1/2" galvanized pipe driven to refusal and encased in a 6-inch PVC pipe filled with concrete. The PVC pipe is 2 feet more or less above water in sawgrass with a 10 foot SFWMD marker near by.

The disk is stamped "BM ROT-2 1994."

BM IS SFWMD ALUM. CAP SET IN 1 1/2" GAL. PIPE DRIVEN TO REFUSAL. PIPE IS SET IN 6" PVC PIPE FILLED WITH CONC. STAMPED "BM ROT-2 1994".
 PVC PIPE IS +- 2.0' ABOVE WATER IN SAWGRAWW WITH 10'+- SFWMD MARKER. BM IS LOCATED ON COMPASS BEARING N.14 DEG. E., 4,572' FROM FPL POLE 12164-BM ROT-1.

[Back](#)

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Use of information herein constitutes acceptance of our disclaimer

sec 3

Twp 4~~7~~5

RGE 35E

To ESTABLISH ELEVATION FOR BM "ROT-1"

STA	#	H.I.	-	ELEV	BM ELEV
BM	4.89			19.16	(19.158)
L-4-2	2.38				<u>18.91</u>
T.P.			4.70		
			2.57		
	3.59				
	3.68				
T.P.			3.52		
			3.75		
	3.91				
	3.36				
T.P.			3.10		
			4.17		
	4.27				
	3.00				
T.P.			5.15		
			2.12		
	5.17				
	2.10				
T.P.			5.26	19.26	
5/2 REBAR CONCR.			2.01		
	4.88	24.14			
	2.39				<u>14.63</u>
BM			7.26	14.88	(14.88)
"ROT-1"			4.01		

26.71

30.99

AVS
 E. Ebanks
 R. Schaffer
 S. Hussey

5.326m (17.4737183333') NAVD88 NGS Adjusted.
 +0.425m (1.39435416666') FLDEP Preliminary Adj. dif.
 5.751m (18.8680725') NGVD29

COMMENTS

BM IS FOUND ALONG CAP FWD ON TURN-A-ROUND 2.38m WEST OF P.S. - 8 ON L-4 LEVEE RD.
 DEP 1ST ORDER ELEV.

13.1937183333' NAVD88
 14.5880725' NGVD29

Revised 7/24/97 (EAS)

BM. IS FOUND ALONG CAP SET TOP OF CONC. FOOTING (FPL TOWER) NORTH SIDE OF POLE AIRPORT # 12 164 STAMPED "BM ROT-1 1994"

RETURN LEVEL

STA	+	#.I.	-	ELU	BM/FL/PI
BM.	8.63	23.51		14.88	19.63 (14.88)
ROT-1	4.64				
T.P.			4.25	19.26	
576 ZEBARE PI CAP.			3.02		
	5.44	24.70			
	1.83				
T.P.			5.35	19.35	
			1.92		
	5.11	24.46			
	2.16				
T.P.			4.28	20.18	
			2.99		
	3.00	23.18			
	4.27				
T.P.			3.74	19.44	
			3.53		
	3.55	22.99			
	3.72				
T.P.			3.66	19.33	
			3.61		
	4.72	24.05			
	2.55				
BM.			4.89	19.16	(19.158)
L4-2			2.38		18.91
	30.45		26.17		

RUS
E. Banks,
E. Schaffer
S. Hussey

COMMENTS

Revised 7/24/97 (EAS)

SEWARD ALUM CAP SET TOP OF FOOTING (FPL TOWER)
AIRPLANE # 12164 STAMPED "BM ROT-1 1994"

F 26.71 - 30.99 = -4.28

B 30.45 - 26.17 = 4.28

13.1937183333' NAVD88

14.5880725' NGVD29

5.326m (17.4737183333') NAVD88 NGS Adjusted.

+0.425m (1.39435416666') FLDEP Preliminary Adj. dif.

5.751m (18.8680725') NGVD29

SEWARD ALUM CAP 2138 m/ WEST OF P.S. 8 ON L-4

STA	+	H.I.	-	ELEV	BM ELEV
BM.	1.78	16.66		14.88	14.63 (14.88)
ROT-1	5.49				
T.P.			3.21	13.45	
			4.06		
	3.24	14.69			
	4.03				
T.P.			2.17	14.52	
			5.10		
	2.32	16.84			
	4.93				
T.P.			3.32	13.48	
			3.91		
	3.36	16.84			
	3.91				
T.P.			4.00	12.84	
			3.27		
	4.00	16.84			
	3.27				
T.P.			4.03	12.81	
			3.24		
	4.11	16.92			
	3.16				
	18.81		16.77		
	18.81		16.77		

KUS
E. Ebanks
E. Schaffer
S. Hussey

13.1937183333' NAVD88
14.5880725' NGVD29

CONTINENTS

REVISED 7/24/97 (EAS)

BM IS SURF PAD ALUM CAP SET ON NORTHSIDE OF (FPL TOWER)
TOP OF FOOTING POLE # 12 164 STAMPED "BM ROT-1 1994"

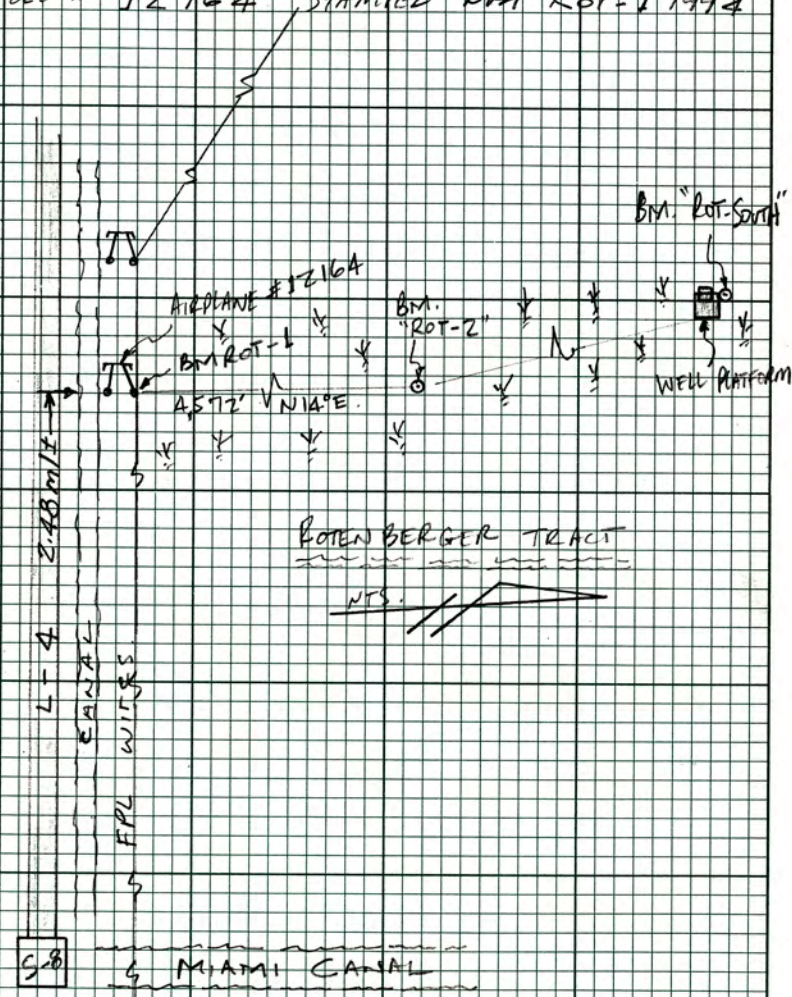
SET 1"X2" CANTH.

SET 1"X2" CANTH.

SET 1"X2" CANTH.

SET 1"X2" CANTH.

SET 1"X2" CANTH.



STA	+	HI	-	ELEV.	B.M. ELEV.
		16.92			
T.P.			2.23 (D) 5.04 (B)	14.69	
	1.97 (D) 5.30 (B)	16.66			
T.P.			2.68 (D) 4.59 (B)	13.98	
	2.62 (D) 4.65 (B)	16.60			
B.M. ROT-2			1.34 (D) 5.93 (B)	15.01 15.26	15.01 (15.26)
	4.59	6.25			
RETURN LEVELS					
B.M. "ROT-2"	1.86 (D) 5.41 (B)	17.12		15.26	(15.26)
T.P.			3.14 (D) 4.13 (B)	13.98	
	2.79 (D) 4.48 (B)	16.77			
T.P.			2.07 (D) 5.20 (B)	14.70	
	2.20 (D) 5.07 (B)	16.90			

6.85

5.21

E. Clinks
R. Schaffer
S. Hossley

F - 23.40 - 23.02 = +0.38
B 23.40 - 23.02 = - 0.38

SET 1"X2" LATHE

13.5737183333' NAVD88
14.9680725' NGVD29

SET 1"X2" LATHE.

Revised 7/24/97 (EAS)

B.M. IS SPUNND ALUM. CAP SET IN 1 1/2" GAL. PIPE DRIVEN TO REFUSAL
PIPE IS SET IN 6" PUC PIPE FILLED WITH CONC. STAMPED "B.M. ROT-2 1994"
PIPE IS ± 2.0' ABOVE WATER ON (COMPASS BEARING N 14° E 45' 12"
FR FPL. Pole 12 164 - B.M. ROT-1) IN SAWGRASS.

(B.M. ROT-2 1994 SEE ABOVE)

1"X2" LATHE

1"X2" LATHE

STA	+	HI	-	ELEV.	B.M. ELEV.
		16.92			
T.P.			2.23 (D) 5.04 (R)	14.69	
	1.97 (D) 5.30 (R)	16.66			
T.P.			2.68 (D) 4.59 (R)	13.98	
	2.62 (D) 4.25 (R)	16.60			
B.M.			1.34 (D)	15.26	15.01 (15.26)
ROT-2			5.93 (R)		

4.59

6.25

RETURN LEVELS

B.M.	1.86 (D)	17.12		15.26	(15.26)
"ROT-2"	5.41 (R)				
T.P.			3.14 (D) 4.13 (R)	13.98	
	2.79 (D) 4.48 (R)	16.77			
T.P.			2.07 (D) 5.20 (R)	14.70	
	2.20 (D) 5.07 (R)	16.90			

E. Chanks
R. Schaffer
S. Hossey

F - 23.40 - 23.02 = +0.38

B 23.40 - 23.02 = - 0.38

SET 1"x2" LATHE

13.5737183333' NAVD88

14.9680725' NGVD29

SET 1"x2" LATHE

Revised 7/24/97 (EAS)

B.M. IS SPUNND ALUM. CAP SET IN 1 1/2" GAL. PIPE DRIVEN TO REFUSAL
PIPE IS SET IN 6" PUC PIPE FILLED WITH CONC. STAMPED "B.M. ROT-2 1994"
PIPE IS ± 2.0' ABOVE WATER DN (COMPASS BEARING N 14° E 4572'
FR P.M. Pole 12164 - B.M. ROT-1) IN SAWGRASS.

(B.M. ROT-2 1994 SEE ABOVE)

1"x2" LATHE

1"x2" LATHE

STA	A	H)	-	ELEV.	B.M. ELEV.
		16.90			
T.P.			4.08 (D) 3.19 (B)	12.82	
	4.11 (D) 3.16 (B)	16.93			
T.P.			4.08 (D) 3.19 (B)	12.85	
	4.20 (D) 3.07 (B)	17.05			
T.P.			3.57 (D) 3.70 (B)	13.48	
	3.65 (D) 3.62 (B)	17.13			
T.P.			2.61 (D) 4.66 (B)	14.52	
	2.44 (D) 4.83 (B)	16.96			
T.P.			3.51 (D) 3.76 (B)	13.45	
	3.34 (D) 3.93 (B)	16.99			
B.M. ROT-1			1.91 (D) 5.31 (B)	14.88	14.63 (14.88)

E. Ebanks
P. Schaffer
S. Hussey

1" x 2" LATHE

1" x 2" LATHE

1" x 2" LATHE

1" x 2" LATHE

13.1937183333' NAVD88

14.5880725' NGVD29

1" x 2" LATHE

Revised 7/24/97 (EAS)

B.M. ROT-1 1994 SET ON TPL FOOTING (SEE PG'S 28, 29 & 30)

TO ESTABLISH "BM ROT-SOUTH 1994"
LOCATED AT PLATFORM OF MONITORING
WELL KNOWN AS "ROTENBERGER SOUTH"

24 47/35

SEA	H	H.I.	=	EEV	BM ELEV
B.M. ROT-S	2.42 (D) 4.85 (D)	17.68		15.26	15.01 (15.26)
T.P.				3.48 (D) 3.79 (D)	14.20
	3.67 (D) 3.60 (D)	17.87			
T.P.				3.54 (D) 3.73 (D)	14.33
	3.27 (D) 4.00 (D)	17.60			
T.P.				3.25 (D) 3.99 (D)	14.32
	2.93 (D) 4.34 (D)	17.25			
T.P.				3.17 (D) 4.16 (D)	14.08
	3.66 (D) 3.61 (D)	17.74			
T.P.				3.57 (D) 3.70 (D)	14.17
	3.39 (D) 3.88 (D)	17.56			
				3.27 (D) 4.00 (D)	14.29

19.34

19.34

20.31

20.31

^{AKS}
E. Ebanes
R. Schaffer
S. Hussey

13.5737183333' NAVD88

14.9680725' NGVD29

COMMENTS

Revised 7/24/97 (EAS)

B.M. IS SET IN ALUM CAP SET IN 1 1/2" GAL PIPE DRIVEN TO REFUSAL. PIPE
IS SET IN 6" PVC PIPE SURR. WITH CONC. 2.0'± ABOVE WATER IN SANDGRASS
(SEE PG. 31).

SET 1" X 2" LATHE

SET 1" X 2" LATHE

SET 1" X 2" LATHE

SET 1" X 2" LATHE

SET 1" X 2" LATHE

SET 1" X 2" LATHE

STA	f	H.I.	ELEV	BM/ELEV
	3.19 (L)	17.48	14.29	
	4.08 (R)			
T.P.			13.86	
	3.62 (L)			
	3.65 (R)			
	2.44 (L)	17.30		
	3.83 (R)			
T.P.			14.02	
	3.28 (L)			
	3.79 (R)			
	3.40 (L)	17.42		
	3.87 (R)			
T.P.			14.73	
	3.19 (L)			
	4.08 (R)			
	3.28 (L)	17.51		
	3.99 (R)			
BM			14.80	14.81
"ROT-SOUTH"	2.465 (L)	15.045	(15.055)	
	4.805 (R)	(ADJ + 0.01)	ADJ.	
	Σ 32.65		13.31	
	Σ 32.75		12.55	

E. EBANKS
 P. SCHAFFER
 S. HUSSEY

COMMENTS

SET 1" X 2" CAST IRON

SET 1" X 2" CAST IRON

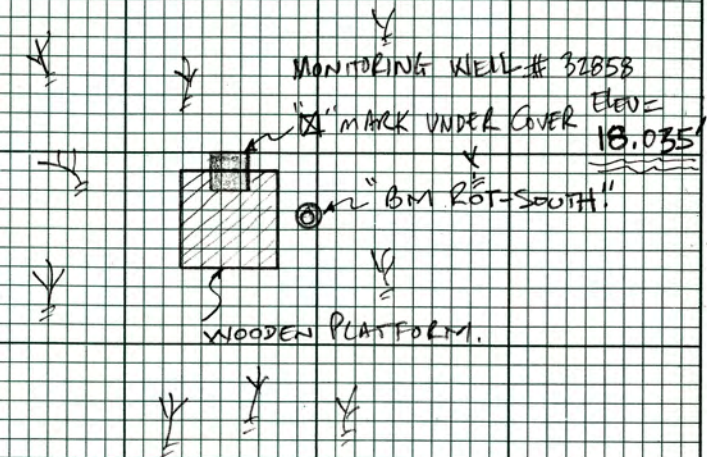
13.3687183333' NAVD88
 14.7630725' NGVD29

SET 1" X 2" CAST IRON

Revised 7/24/97 (EAS)

BM IS SET IN ALUMINUM CAP SET IN 1 1/2" Ø GAL PIPE DRIVEN TO REFUSAL. PIPE IS SET IN 6" Ø PVC PIPE FILLED WITH CONC 2" ± ABOVE WATER ON EAST SIDE OF WELL PLATFORM ROT-SOUTH # 32858
 BM IS STAMPED "ROT-SOUTH" 1994.

F 32.65 - 32.865 = -0.215
 B 32.965 - 32.77 = +0.195
 (0.215 + 0.195)/2 = 0.205



RETURN LEVELS.

STA	#	H.I.	-	ELEV	BM ELEV
BM.	2.545/10	17.59		15.045	14.81
ROT-SOUTH	4.725				
T.P.			3.36	14.23	
			3.91		
	3.19	17.42			
	4.08				
T.P.			3.40	14.02	
			3.87		
	3.44	17.46			
	3.83				
T.P.			3.66	13.86	
			3.67		
	3.79	17.65			
	3.48				
T.P.			3.36	14.29	
			3.91		
	3.27	17.56			
	4.00				
T.P.			3.39	14.17	
			3.88		
	3.40	17.59			
	3.87				
T.P.			3.50	14.07	
			3.87		
	3.35	17.42			
	3.92				
T.P.			3.11	14.31	
			4.16		

22.985

23.72

E. Ebanks
R. Schaeffer
S. Hussey

COMMENTS
Revised 7/24/97 (EAS)
FOUND ALUM CAP BM ROT-SOUTH (Pg. 34)

1"X2" LATHE

13.3687183333' NAVD88

14.7630725' NGVD29

1"X2" LATHE

1"X2" LATHE

1"X2" LATHE

1"X2" LATHE

1"X2" LATHE

1"X2" LATHE

Sta	#	H.I.	-	ELEV	BM ELEV
5/A	3.24	17.55	-	14.31	
	4.03				
T.P.	3.23		-	14.32	
	4.04				
T.P.	3.44	17.76	-	14.18	
	3.83				
T.P.	3.30	17.48	-	14.18	
	3.97				
B.M. "ROT-2"	2.24		-	14.99	15.01
	5.03			15.24	(15.26)

9.98

9.05

^{AUS}
 E. Ebanks
 R. Schaffer
 S. Hussey

COMMENTS

1" x 2" LATHE

1" x 2" LATHE

Revised 7/24/97 (EFS)

SEWARD ALUMI CAP B.M. ROT-2"

13.5737183333' NAVD88

14.9680725' NGVD29

TO ESTABLISH ELEVATION ON "WELL HEAD"
AT MONITORING WELL KNOWN AS
"ROTENBERGER SOUTH"

STA	+	H.I.	-	ELV	BM(EL)
BM.	4.42 (D) 2.85 (R)	19.475		15.055	14.91 (15.055)

WELL (ROT-SOUTH)			1.44 (D) 5.83 (R)	18.035	17.79 <u>17.79</u>
------------------	--	--	----------------------	--------	-----------------------

H.

WELL (ROT-SOUTH)	1.04 (D) 6.23 (R)	19.075		18.035	
BM "ROT-SOUTH"			4.02 (D) 3.25 (R)	15.055	(15.055)

E. Coanks
R. Schaffer
S. Hussey

COMMENTS

(see page 34)
BM IS STAMPED ALUM CAP. (Rot-South)

MARK TOP OF MONITORING WELL UNDER COVER.
Revised 7/24/97 (EAS)

MARK TOP OF MONITORING WELL UNDER COVER

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 1
SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.
STARTING ELEVATION BASED ON NAVD 88 HEIGHTS.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)		-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0101 D 414							11.47900	
0101 D 414 0100 FCE 1555	12201530	B	1.64	6.82053	*	0.00	-6.82053	1
			1.64			0.00	4.65847	
0100 FCE 1555 0066 HART	12201411	B	0.11	-7.98687	*	0.00	7.98687	1
			1.75			0.00	12.64534	
0066 HART 0065 HART RM 4	12201135 12201313	B F	0.02 0.02	2.77250 -2.77254	* *	0.05	-2.77252	1 1
			1.78			0.05	9.87282	
0065 HART RM 4 0064 HART RM 1	12201122 12201351	B F	0.00 0.00	-0.26019 0.26007	* *	0.12	0.26013	1 1
			1.78			0.17	10.13295	
0064 HART RM 1 0063 20.6	12201035	B	0.27	4.27776	*	0.00	-4.27776	1
			2.05			0.17	5.85519	
0063 20.6 0062 HART AZ MK	12200912	B	0.42	-0.52171	*	0.00	0.52171	1
			2.47			0.17	6.37690	
0062 HART AZ MK 0061 T 410 X	12190904	B	1.90	1.20724	*	0.00	-1.20724	1
			4.36			0.17	5.16966	
0061 T 410 X 0060 PB 75	12171036	B	1.29	-0.06767	*	0.00	0.06767	1
			5.65			0.17	5.23733	
0060 PB 75 0057 G 212	12170759	B	1.69	1.14020	*	0.00	-1.14020	1
			7.34			0.17	4.09713	
0057 G 212 0058 MI 1	11221005 12180834	B F	1.68 1.67	-1.43203 1.43762	* *	-4.48	1.43464	1 1
	12180953	B	1.67	-1.43426	*			1
	SL 1		9.00			-4.31	5.53177	
0058 MI 1 0059 FCE 3589	11220823 12181145	B F	1.75 1.74	0.61676 -0.61515	* *	-1.61	-0.61595	1 1
	SL 1		10.75			-5.92	4.91582	

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 2
SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM TO	START	F/B	DIST TOTAL	ELEV DIFF		-(F+B) TOTAL	MEAN DIFF FLD ELEV	I C
---------	-------	-----	------------	-----------	--	--------------	--------------------	-----

L25732. ABS
(KM) (MT) (MM) (MT)

0057 G 212	11221240 F	1. 24	0. 24605 *	-2. 56	0. 24477	1
0056 D 15	12081318 B	1. 22	-0. 24349 *			1
		8. 56		-2. 39	4. 34190	
0056 D 15	11221428 F	1. 79	-0. 26758 *	-4. 08	-0. 26962	1
0055 T 455	11231448 B	1. 80	0. 27167 *			1
		10. 34		-6. 47	4. 07228	
0055 T 455	11211429 B	1. 46	-1. 30699 *	-1. 50	1. 30774	1
0054 D 11	11230820 F	1. 46	1. 30850 *			1
		11. 80		-7. 98	5. 38002	
0054 D 11	11211215 B	1. 62	0. 42133 R*	-3. 14	-0. 42809	1
0053 CONTACT	11230940 F	1. 64	-0. 42652 *			1
	11231305 B	1. 63	0. 42966 *			1
		13. 43		-11. 12	4. 95193	
0053 CONTACT	11211017 B	1. 60	-0. 73068 *	0. 96	0. 73020	1
0052 S 455	11231102 F	1. 60	0. 72972 *			1
		15. 03		-10. 16	5. 68213	
0052 S 455	11191529 B	1. 64	-0. 62945 *	-0. 31	0. 62960	1
0051 R 455	11200813 F	1. 65	0. 62976 *			1
		16. 67		-10. 47	6. 31173	
0051 R 455	11191341 B	1. 66	0. 95712 *	-3. 06	-0. 95559	1
0050 Q 455	11201014 F	1. 66	-0. 95406 *			1
		18. 33		-13. 54	5. 35614	
0050 Q 455	11191149 B	1. 44	-0. 26480 *	-5. 32	0. 26770	1
0049 P 455	11201354 F	1. 45	0. 25957 R*			1
	11210815 F	1. 47	0. 26993 *			1
	12080906 B	1. 45	-0. 26529 *			1
	12081125 F	1. 47	0. 27080 *			1
		19. 77		-18. 86	5. 62384	
0049 P 455	11021435 B	1. 70	-1. 80926 *	-0. 87	1. 80987	1
0048 N 455	11030856 F	1. 72	1. 81045 *			1
	11191000 B	1. 71	-1. 80990 *			1
		21. 47		-19. 73	7. 43371	
0048 N 455	11021303 B	1. 63	-0. 65966 *	-1. 71	0. 66051	1
0047 M 455	11031110 F	1. 63	0. 66137 *			1
		23. 10		-21. 44	8. 09422 ⁹	

- FIELD ABSTRACT -

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 3

SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0047 M 455	11021150 B	1. 60	-0. 02733 *	-0. 85	0. 02776	1	
0046 K 455	11031254 F	1. 60	0. 02818 *			1	
		24. 70		-22. 30	8. 12198		
0046 K 455	11021005 B	1. 59	-0. 21121 *	1. 50	0. 21046	1	
0044 HEN 29	11031436 F	1. 59	0. 20971 *			1	
		26. 29		-20. 80	8. 33244		
0044 HEN 29	11011320 B	1. 53	0. 34772 *	-2. 60	-0. 34642	1	
0043 HEN 28	11011530 F	1. 54	-0. 34512 *			1	
		27. 82		-23. 40	7. 98602		

L25732. ABS

0043 HEN 28	11011045 B	1.66	0.51073 *	-2.57	-0.50945	1
0042 HEN 27	11020758 F	1.68	-0.50816 *			1
		29.48		-25.97	7.47657	
0042 HEN 27	11010909 B	0.81	-0.57836 *	0.33	0.57819	1
0041 J 455	11020912 F	0.82	0.57803 *			1
		30.29		-25.64	8.05476	
0041 J 455	10300834 F	0.81	0.01324 *	-0.28	0.01310	1
0040 HEN 26	10311251 B	0.81	-0.01295 *			1
		31.10		-25.92	8.06786	
0040 HEN 26	10300950 F	1.71	-0.54722 *	0.17	-0.54714	1
0039 HEN 25	10311031 B	1.72	0.54706 *			1
		32.82		-25.76	7.52072	
0039 HEN 25	10301204 F	1.58	0.25471 *	-2.12	0.25365	1
0038 HEN 24	10310831 B	1.58	-0.25259 *			1
		34.40		-27.88	7.77437	
0038 HEN 24	10291535 B	1.59	0.00594 *	-2.54	-0.00467	1
0037 HEN 23	10301355 F	1.59	-0.00339 *			1
		35.99		-30.42	7.76970	
0037 HEN 23	10291440 B	0.72	0.11761 *	-0.31	-0.11746	1
0036 H 455	10301615 F	0.73	-0.11730 *			1
		36.71		-30.74	7.65224	
0036 H 455	10200818 F	1.01	0.55917 *	-1.03	0.55866	1
0035 HEN 22	10291303 B	1.01	-0.55815 *			1
		37.72		-31.76	8.21090	
0035 HEN 22	10200947 F	1.66	-0.57813 *	-1.91	-0.57909	1
0034 G 455	10291009 B	1.64	0.58004 *			1
		39.36		-33.68	7.63181 _♀	

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 4
 SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
 LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
 LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0034 G 455	10201120 F	1.67	-0.73952 *	-0.66	-0.73985	1	
0033 HEN 20	10201616 B	1.63	0.74018 *			1	
		40.99		-34.33	6.89196		
0033 HEN 20	10201315 F	1.64	0.71684 *	0.54	0.71711	1	
0032 HEN 19	10201504 B	1.66	-0.71738 *			1	
		42.64		-33.79	7.60907		
0032 HEN 19	10190820 F	0.82	-0.47135 *	-2.66	-0.47346	1	
0031 F 455	10191257 B	0.84	0.47598 *			1	
	10191417 F	0.84	-0.47291 *			1	
	10191547 B	0.82	0.47360 *			1	
		43.46		-36.46	7.13561		
0031 F 455	10181436 B	0.83	-0.05064 *	-1.25	0.05126	1	
0030 HEN 18	10190918 F	0.83	0.05189 *			1	
		44.29		-37.71	7.18687		
0030 HEN 18	10181242 B	1.56	0.27701 *	1.38	-0.27770	1	
0029 E 455	10191037 F	1.57	-0.27839 *			1	
		45.85		-36.33	6.90917		

L25732. ABS

0029 E 455	10170828	F	1.58	-0.48838	*	-0.34	-0.48855	1
0028 SAWGRASS AZ MK	10181017	B	1.58	0.48872	*			1
			47.43			-36.67	6.42062	
0028 SAWGRASS AZ MK	10171112	F	0.02	0.44968	*	-0.03	0.44966	1
0027 DEER FENCE	10171140	B	0.02	-0.44965	*			1
			47.45			-36.70	6.87028	
0027 DEER FENCE	10051341	B	1.61	-1.48736	*	1.55	1.48658	1
0026 HEN 16	10180851	F	1.60	1.48581	*			1
			49.05			-35.15	8.35686	
0026 HEN 16	10041533	B	0.95	0.20295	*	1.12	-0.20351	1
0025 D 455	10050922	F	0.95	-0.20407	*			1
			50.00			-34.02	8.15335	
0025 D 455	10041447	B	0.64	0.27106	*	0.64	-0.27138	1
0024 HEN 15	10051023	F	0.63	-0.27170	*			1
			50.64			-33.39	7.88197	
0024 HEN 15	10041239	B	1.71	0.28159	*	1.73	-0.28246	1
0023 HEN 14	10051120	F	1.71	-0.28332	*			1
			52.35			-31.66	7.59951 ₉	

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 5
 SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
 LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
 LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM TO	START	F/B	DI ST TOTAL (KM)	ELEV DI FF (MT)		-(F+B) TOTAL (MM)	MEAN DI FF FLD ELEV (MT)	I C
0023 HEN 14	10031525	B	1.77	0.26837	*	-3.06	-0.26684	1
0022 HEN 13	10040849	F	1.78	-0.26531	*			1
			54.12			-34.72	7.33267	
0022 HEN 13	10031327	B	1.72	0.17011	*	-1.41	-0.16940	1
0021 HEN 12	10041031	F	1.72	-0.16870	*			1
			55.84			-36.14	7.16327	
0021 HEN 12	10021433	B	1.71	-0.09543	*	-0.58	0.09572	1
0020 HEN 11	10030910	F	1.71	0.09601	*			1
			57.55			-36.72	7.25899	
0020 HEN 11	10021306	B	0.91	0.48066	*	0.02	-0.48066	1
0019 C 455	10031100	F	0.91	-0.48067	*			1
			58.46			-36.70	6.77833	
0019 C 455	10021139	B	0.78	-0.58148	*	-0.40	0.58168	1
0018 HEN 10	10031204	F	0.78	0.58189	*			1
			59.24			-37.11	7.36001	
0018 HEN 10	10011138	B	1.81	0.16321	*	2.68	-0.16455	2
0017 CORNER	10020915	F	1.80	-0.16589	*			1
			61.04			-34.43	7.19546	
0017 CORNER	9221104	B	0.05	0.81490	*	0.05	-0.81492	2
0016 L4 6	10011124	F	0.04	-0.81495	*			2
			61.08			-34.38	6.38054	
0016 L4 6	9221038	F	0.09	-1.59564	*	-0.08	-1.59568	2
0045 L 455	9221053	B	0.09	1.59572	*			2
	SL 1		61.17			-34.46	4.78486	
0016 L4 6	9220939	B	0.85	-1.13190	*	-0.82	1.13245	2
0015 CORNER AZ MK	9221131	F	0.85	1.13231	*			2
	10010910	F	0.85	1.13314	*			2

L25732. ABS

FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
				61. 92		-35. 20	7. 51299	
0015 CORNER AZ MK		9220908 B		0. 37	0. 38434 *	-1. 36	-0. 38366	2
0014 B 455		10011035 F		0. 38	-0. 38298 *			2
				62. 29		-36. 57	7. 12933	
0014 B 455		9201502 B		0. 50	0. 21066 *	0. 83	-0. 21108	2
0013 L4 5		9210926 F		0. 50	-0. 21149 *			2
				62. 79		-35. 74	6. 91825 ⁹	
- FIELD ABSTRACT -								
960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 6								
SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.								
LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE								
1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF								
LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.								
0013 L4 5		9201332 B		1. 54	-0. 05223 *	3. 01	0. 05073	2
0012 L4 4		9211018 F		1. 54	0. 04923 *			2
				64. 34		-32. 73	6. 96898	
0012 L4 4		9201250 B		0. 69	-0. 14298 *	-0. 18	0. 14307	2
0011 RENT		9211157 F		0. 69	0. 14316 *			2
				65. 03		-32. 91	7. 11205	
0011 RENT		9201102 B		0. 76	-0. 25480 *	-1. 61	0. 25560	2
0010 LEASE		9211331 F		0. 76	0. 25641 *			2
				65. 79		-34. 52	7. 36765	
0010 LEASE		9201049 B		0. 01	0. 27207 *	-0. 01	-0. 27207	2
0009 L4 3		9211426 F		0. 01	-0. 27206 *			2
				65. 79		-34. 53	7. 09558	
0009 L4 3		9200935 B		1. 13	2. 08554 *	-0. 84	-2. 08512	2
0008 A 455		9211434 F		1. 13	-2. 08470 *			2
				66. 92		-35. 37	5. 01046	
0008 A 455		9200846 B		0. 99	-0. 31194 *	-0. 44	0. 31216	2
0007 L4 2		9211553 F		0. 99	0. 31238 *			2
				67. 91		-35. 81	5. 32262	
0007 L4 2		9190841 F		1. 98	-0. 05047 *	-1. 42	-0. 05118	2
0006 L4 1		9191410 B		1. 98	0. 05188 *			2
				69. 90		-37. 23	5. 27144	
0006 L4 1		9191046 F		0. 88	0. 12606 *	-2. 49	0. 12481	2
0005 FCE 3776		9191311 B		0. 88	-0. 12357 *			2
				70. 78		-39. 71	5. 39625	
0005 FCE 3776		9181523 B		1. 11	-1. 28585 *	0. 18	1. 28576	1
0004 B 49		9191146 F		1. 08	1. 28567 *			2
				71. 85		-39. 53	6. 68201	
0004 B 49		9181418 B		0. 95	2. 69151 *	0. 00	-2. 69151	1
0003 B 50								
				72. 81		-39. 53	3. 99050	
0003 B 50		9181123 B		1. 67	0. 08551 *	0. 00	-0. 08551	1
0002 B 51								
				74. 48		-39. 53	3. 90499 ⁹	

ELEVATION REJECTION AND ERROR CODES

- C - section elevation difference was rejected for cause
ie. *43* record rejection code set to "F"
- R - section elevation difference was rejected by Halperin rejection algorithm
- @ - section elevation difference does not include refraction correction

* - section elevation difference does not include rod correction

♀	INSTRUMENT CODE	INSTRUMENT	RODS	
	1	243 - 091611	396 - 026047	396 - 026048
	2	243 - 090202	396 - 026047	396 - 026048

♀

LEVEL LINE SECTION RUNNING TREE

- 0101
- 0100
- 0066
- 0065
- 0064
- 0063
- 0062
- 0061
- 0060
- 0057 (0058
0059)
- 0056
- 0055
- 0054
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- 0022
- 0021
- 0020
- 0019
- 0018
- 0017
- 0016 (0045)
- 0015
- 0014
- 0013
- 0012
- 0011
- 0010
- 0009
- 0008
- 0007

0006
 0005
 0004
 0003
 0002[‡]
 FROM

TO	N. LATITUDE	W. LONGITUDE	FIELD DISTANCE	VS. COMPUTED
0101	264157	0804919	0.00	0.00
0101 0100	264154	0804827	1.64	1.44
0100 0066	264154	0804823	0.11	0.11
0066 0065	264154	0804823	0.02	0.00
0065 0064	264154	0804823	0.00	0.00
0064 0063	264146	0804824	0.27	0.25
0063 0062	264135	0804827	0.42	0.35
0062 0061	264041	0804857	1.90	1.86
0061 0060	264003	0804915	1.29	1.27
0060 0057	263911	0804930	1.69	1.65
0057 0058	263817	0804943	1.67	1.70
0058 0059	263725	0805000	1.74	1.67
0057 0056	263910	0805014	1.22	1.22
0056 0055	263908	0805118	1.79	1.77
0055 0054	263910	0805212	1.46	1.49
0054 0053	263911	0805307	1.63	1.52
0053 0052	263909	0805407	1.60	1.66
0052 0051	263910	0805505	1.64	1.60
0051 0050	264002	0805506	1.66	1.60
0050 0049	264004	0805558	1.44	1.44
0049 0048	264000	0805702	1.70	1.77
0048 0047	263907	0805700	1.63	1.63
0047 0046	263814	0805657	1.60	1.63
0046 0044	263725	0805659	1.59	1.51
0044 0043	263642	0805703	1.53	1.33
0043 0042	263542	0805659	1.66	1.85
0042 0041	263515	0805657	0.81	0.83
0041 0040	263449	0805657	0.81	0.80
0040 0039	263355	0805654	1.71	1.66
0039 0038	263303	0805655	1.58	1.60
0038 0037	263212	0805654	1.59	1.57
0037 0036	263150	0805657	0.72	0.68
0036 0035	263115	0805654	1.01	1.08
0035 0034	263022	0805652	1.64	1.63
0034 0033	262930	0805653	1.63	1.60
0033 0032	262837	0805650	1.64	1.63
0032 0031	262811	0805650	0.82	0.80
0031 0030	262744	0805649	0.83	0.83
0030 0029	262653	0805648	1.56	1.57
0029 0028	262602	0805648	1.58	1.57
0028 0027	262613	0805649	0.02	0.34
0027 0026	262511	0805648	1.60	1.91
0026 0025	262440	0805646	0.95	0.96
0025 0024	262417	0805646	0.63	0.71
0024 0023	262336	0805608	1.71	1.64
0023 0022	262250	0805528	1.77	1.80
0022 0021	262206	0805451	1.72	1.70
0021 0020	262123	0805413	1.71	1.69
0020 0019	262100	0805354	0.91	0.88
0019 0018	262039	0805335	0.78	0.83
0018 0017	261953	0805253	1.80	1.83
0017 0016	261953	0805253	0.04	0.00
0016 0045	261949	0805257	0.09	0.17
0016 0015	261952	0805226	0.85	0.75
0015 0014	261952	0805214	0.37	0.33
0014 0013	261952	0805159	0.50	0.42
0013 0012	261952	0805059	1.54	1.66
0012 0011	261952	0805043	0.69	0.44
0011 0010	261952	0805006	0.76	1.03
0010 0009	261952	0805006	0.01	0.00
0009 0008	261952	0804925	1.13	1.14
0008 0007	261952	0804847	0.99	1.05
0007 0006	261952	0804739	1.98	1.89

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0006	0005	261952	0804705	0.88	0.94
0005	0004	261954	0804627	1.08	1.06
0004	0003	261957	0804551	0.95	1.00
0003	0002	261958	0804453	1.67	1.61♀

ABSTRA Versi on 5.21 -- October 1991 -- Mon Jan 06 14:01:40 1997

SECTION
FROM TO

E R R O R M E S S A G E S

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 1
 SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
 LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
 LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.
 STARTING ELEVATION BASED ON NGVD 29 HEIGHTS.

FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0101 D 414							11. 90400	
0101 D 414		12201530	B	1. 64	6. 82053 *	0. 00	-6. 82053	1
0100 FCE 1555				1. 64		0. 00	5. 08347	
0100 FCE 1555		12201411	B	0. 11	-7. 98687 *	0. 00	7. 98687	1
0066 HART				1. 75		0. 00	13. 07034	
0066 HART		12201135	B	0. 02	2. 77250 *	0. 05	-2. 77252	1
0065 HART RM 4		12201313	F	0. 02	-2. 77254 *			1
				1. 78		0. 05	10. 29782	
0065 HART RM 4		12201122	B	0. 00	-0. 26019 *	0. 12	0. 26013	1
0064 HART RM 1		12201351	F	0. 00	0. 26007 *			1
				1. 78		0. 17	10. 55795	
0064 HART RM 1		12201035	B	0. 27	4. 27776 *	0. 00	-4. 27776	1
0063 20. 6				2. 05		0. 17	6. 28019	
0063 20. 6		12200912	B	0. 42	-0. 52171 *	0. 00	0. 52171	1
0062 HART AZ MK				2. 47		0. 17	6. 80190	
0062 HART AZ MK		12190904	B	1. 90	1. 20724 *	0. 00	-1. 20724	1
0061 T 410 X				4. 36		0. 17	5. 59466	
0061 T 410 X		12171036	B	1. 29	-0. 06767 *	0. 00	0. 06767	1
0060 PB 75				5. 65		0. 17	5. 66233	
0060 PB 75		12170759	B	1. 69	1. 14020 *	0. 00	-1. 14020	1
0057 G 212				7. 34		0. 17	4. 52213	
0057 G 212		11221005	B	1. 68	-1. 43203 *	-4. 48	1. 43464	1
0058 MI 1		12180834	F	1. 67	1. 43762 *			1
		12180953	B	1. 67	-1. 43426 *			1
		SL 1		9. 00		-4. 31	5. 95677	
0058 MI 1		11220823	B	1. 75	0. 61676 *	-1. 61	-0. 61595	1
0059 FCE 3589		12181145	F	1. 74	-0. 61515 *			1
		SL 1		10. 75		-5. 92	5. 34082 ⁹	

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 2
 SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
 LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
 LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM	TO	START	F/B	DIST TOTAL	ELEV DIFF	-(F+B) TOTAL	MEAN DIFF FLD ELEV	I C
------	----	-------	-----	---------------	-----------	-----------------	-----------------------	--------

				NGVD29. ABS				
				(KM)	(MT)		(MM)	(MT)
0057 G 212		11221240 F		1. 24	0. 24605 *		-2. 56	0. 24477 1
0056 D 15		12081318 B		1. 22	-0. 24349 *			1
				8. 56			-2. 39	4. 76690
0056 D 15		11221428 F		1. 79	-0. 26758 *		-4. 08	-0. 26962 1
0055 T 455		11231448 B		1. 80	0. 27167 *			1
				10. 34			-6. 47	4. 49728
0055 T 455		11211429 B		1. 46	-1. 30699 *		-1. 50	1. 30774 1
0054 D 11		11230820 F		1. 46	1. 30850 *			1
				11. 80			-7. 98	5. 80502
0054 D 11		11211215 B		1. 62	0. 42133 R*		-3. 14	-0. 42809 1
0053 CONTACT		11230940 F		1. 64	-0. 42652 *			1
		11231305 B		1. 63	0. 42966 *			1
				13. 43			-11. 12	5. 37693
0053 CONTACT		11211017 B		1. 60	-0. 73068 *		0. 96	0. 73020 1
0052 S 455		11231102 F		1. 60	0. 72972 *			1
				15. 03			-10. 16	6. 10713
0052 S 455		11191529 B		1. 64	-0. 62945 *		-0. 31	0. 62960 1
0051 R 455		11200813 F		1. 65	0. 62976 *			1
				16. 67			-10. 47	6. 73673
0051 R 455		11191341 B		1. 66	0. 95712 *		-3. 06	-0. 95559 1
0050 Q 455		11201014 F		1. 66	-0. 95406 *			1
				18. 33			-13. 54	5. 78114
0050 Q 455		11191149 B		1. 44	-0. 26480 *		-5. 32	0. 26770 1
0049 P 455		11201354 F		1. 45	0. 25957 R*			1
		11210815 F		1. 47	0. 26993 *			1
		12080906 B		1. 45	-0. 26529 *			1
		12081125 F		1. 47	0. 27080 *			1
				19. 77			-18. 86	6. 04884
0049 P 455		11021435 B		1. 70	-1. 80926 *		-0. 87	1. 80987 1
0048 N 455		11030856 F		1. 72	1. 81045 *			1
		11191000 B		1. 71	-1. 80990 *			1
				21. 47			-19. 73	7. 85871
0048 N 455		11021303 B		1. 63	-0. 65966 *		-1. 71	0. 66051 1
0047 M 455		11031110 F		1. 63	0. 66137 *			1
				23. 10			-21. 44	8. 51922 ⁹

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 3

SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.

LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0047 M 455		11021150 B		1. 60	-0. 02733 *	-0. 85	0. 02776 1	
0046 K 455		11031254 F		1. 60	0. 02818 *			1
				24. 70		-22. 30	8. 54698	
0046 K 455		11021005 B		1. 59	-0. 21121 *	1. 50	0. 21046 1	
0044 HEN 29		11031436 F		1. 59	0. 20971 *			1
				26. 29		-20. 80	8. 75744	
0044 HEN 29		11011320 B		1. 53	0. 34772 *	-2. 60	-0. 34642 1	
0043 HEN 28		11011530 F		1. 54	-0. 34512 *			1
				27. 82		-23. 40	8. 41102	

NGVD29. ABS

0043 HEN 28	11011045	B	1.66	0.51073	*	-2.57	-0.50945	1
0042 HEN 27	11020758	F	1.68	-0.50816	*			1
			29.48			-25.97	7.90157	
0042 HEN 27	11010909	B	0.81	-0.57836	*	0.33	0.57819	1
0041 J 455	11020912	F	0.82	0.57803	*			1
			30.29			-25.64	8.47976	
0041 J 455	10300834	F	0.81	0.01324	*	-0.28	0.01310	1
0040 HEN 26	10311251	B	0.81	-0.01295	*			1
			31.10			-25.92	8.49286	
0040 HEN 26	10300950	F	1.71	-0.54722	*	0.17	-0.54714	1
0039 HEN 25	10311031	B	1.72	0.54706	*			1
			32.82			-25.76	7.94572	
0039 HEN 25	10301204	F	1.58	0.25471	*	-2.12	0.25365	1
0038 HEN 24	10310831	B	1.58	-0.25259	*			1
			34.40			-27.88	8.19937	
0038 HEN 24	10291535	B	1.59	0.00594	*	-2.54	-0.00467	1
0037 HEN 23	10301355	F	1.59	-0.00339	*			1
			35.99			-30.42	8.19470	
0037 HEN 23	10291440	B	0.72	0.11761	*	-0.31	-0.11746	1
0036 H 455	10301615	F	0.73	-0.11730	*			1
			36.71			-30.74	8.07724	
0036 H 455	10200818	F	1.01	0.55917	*	-1.03	0.55866	1
0035 HEN 22	10291303	B	1.01	-0.55815	*			1
			37.72			-31.76	8.63590	
0035 HEN 22	10200947	F	1.66	-0.57813	*	-1.91	-0.57909	1
0034 G 455	10291009	B	1.64	0.58004	*			1
			39.36			-33.68	8.05681 _♀	

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 4
 SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
 LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
 LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)		-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
0034 G 455	10201120	F	1.67	-0.73952	*	-0.66	-0.73985	1
0033 HEN 20	10201616	B	1.63	0.74018	*			1
			40.99			-34.33	7.31696	
0033 HEN 20	10201315	F	1.64	0.71684	*	0.54	0.71711	1
0032 HEN 19	10201504	B	1.66	-0.71738	*			1
			42.64			-33.79	8.03407	
0032 HEN 19	10190820	F	0.82	-0.47135	*	-2.66	-0.47346	1
0031 F 455	10191257	B	0.84	0.47598	*			1
	10191417	F	0.84	-0.47291	*			1
	10191547	B	0.82	0.47360	*			1
			43.46			-36.46	7.56061	
0031 F 455	10181436	B	0.83	-0.05064	*	-1.25	0.05126	1
0030 HEN 18	10190918	F	0.83	0.05189	*			1
			44.29			-37.71	7.61187	
0030 HEN 18	10181242	B	1.56	0.27701	*	1.38	-0.27770	1
0029 E 455	10191037	F	1.57	-0.27839	*			1
			45.85			-36.33	7.33417	

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0029 E 455	10170828	F	1.58	-0.48838	*	-0.34	-0.48855	1
0028 SAWGRASS AZ MK	10181017	B	1.58	0.48872	*			1
			47.43			-36.67	6.84562	
0028 SAWGRASS AZ MK	10171112	F	0.02	0.44968	*	-0.03	0.44966	1
0027 DEER FENCE	10171140	B	0.02	-0.44965	*			1
			47.45			-36.70	7.29528	
0027 DEER FENCE	10051341	B	1.61	-1.48736	*	1.55	1.48658	1
0026 HEN 16	10180851	F	1.60	1.48581	*			1
			49.05			-35.15	8.78186	
0026 HEN 16	10041533	B	0.95	0.20295	*	1.12	-0.20351	1
0025 D 455	10050922	F	0.95	-0.20407	*			1
			50.00			-34.02	8.57835	
0025 D 455	10041447	B	0.64	0.27106	*	0.64	-0.27138	1
0024 HEN 15	10051023	F	0.63	-0.27170	*			1
			50.64			-33.39	8.30697	
0024 HEN 15	10041239	B	1.71	0.28159	*	1.73	-0.28246	1
0023 HEN 14	10051120	F	1.71	-0.28332	*			1
			52.35			-31.66	8.02451	

-*- FIELD ABSTRACT -*-

960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 5
 SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.
 LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE
 1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF
 LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.

FROM TO	START	F/B	DI ST TOTAL (KM)	ELEV DI FF (MT)		-(F+B) TOTAL (MM)	MEAN DI FF FLD ELEV (MT)	I C
0023 HEN 14	10031525	B	1.77	0.26837	*	-3.06	-0.26684	1
0022 HEN 13	10040849	F	1.78	-0.26531	*			1
			54.12			-34.72	7.75767	
0022 HEN 13	10031327	B	1.72	0.17011	*	-1.41	-0.16940	1
0021 HEN 12	10041031	F	1.72	-0.16870	*			1
			55.84			-36.14	7.58827	
0021 HEN 12	10021433	B	1.71	-0.09543	*	-0.58	0.09572	1
0020 HEN 11	10030910	F	1.71	0.09601	*			1
			57.55			-36.72	7.68399	
0020 HEN 11	10021306	B	0.91	0.48066	*	0.02	-0.48066	1
0019 C 455	10031100	F	0.91	-0.48067	*			1
			58.46			-36.70	7.20333	
0019 C 455	10021139	B	0.78	-0.58148	*	-0.40	0.58168	1
0018 HEN 10	10031204	F	0.78	0.58189	*			1
			59.24			-37.11	7.78501	
0018 HEN 10	10011138	B	1.81	0.16321	*	2.68	-0.16455	2
0017 CORNER	10020915	F	1.80	-0.16589	*			1
			61.04			-34.43	7.62046	
0017 CORNER	9221104	B	0.05	0.81490	*	0.05	-0.81492	2
0016 L4 6	10011124	F	0.04	-0.81495	*			2
			61.08			-34.38	6.80554	
0016 L4 6	9221038	F	0.09	-1.59564	*	-0.08	-1.59568	2
0045 L 455	9221053	B	0.09	1.59572	*			2
	SL 1		61.17			-34.46	5.20986	
0016 L4 6	9220939	B	0.85	-1.13190	*	-0.82	1.13245	2
0015 CORNER AZ MK	9221131	F	0.85	1.13231	*			2
	10010910	F	0.85	1.13314	*			2

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FROM	TO	START	F/B	DIST TOTAL (KM)	ELEV DIFF (MT)	-(F+B) TOTAL (MM)	MEAN DIFF FLD ELEV (MT)	I C
				61.92		-35.20	7.93799	
0015 CORNER AZ MK		9220908 B		0.37	0.38434 *	-1.36	-0.38366	2
0014 B 455		10011035 F		0.38	-0.38298 *			2
				62.29		-36.57	7.55433	
0014 B 455		9201502 B		0.50	0.21066 *	0.83	-0.21108	2
0013 L4 5		9210926 F		0.50	-0.21149 *			2
				62.79		-35.74	7.34325 ⁹	
- FIELD ABSTRACT -								
960918-961220 HGZ L25732 1 4.0 MM ORDER 1 CLASS 2 PAGE 6								
SOUTH OF CLEWISTON IN SUPPORT OF EVERGLADES RESTORATION.								
LEVELING WEST ON LEVEE 1E (ROGERS ROAD) TO THE INTERSECTION OF LEVEE								
1, THEN SOUTH ON LEVEE 1, LEVEE 2 AND LEVEE 3 TO THE INTERSECTION OF								
LEVEE 4, THEN EAST TO THE JUNCTION OF THE MIAMI CANAL.								
0013 L4 5		9201332 B		1.54	-0.05223 *	3.01	0.05073	2
0012 L4 4		9211018 F		1.54	0.04923 *			2
				64.34		-32.73	7.39398	
0012 L4 4		9201250 B		0.69	-0.14298 *	-0.18	0.14307	2
0011 RENT		9211157 F		0.69	0.14316 *			2
				65.03		-32.91	7.53705	
0011 RENT		9201102 B		0.76	-0.25480 *	-1.61	0.25560	2
0010 LEASE		9211331 F		0.76	0.25641 *			2
				65.79		-34.52	7.79265	
0010 LEASE		9201049 B		0.01	0.27207 *	-0.01	-0.27207	2
0009 L4 3		9211426 F		0.01	-0.27206 *			2
				65.79		-34.53	7.52058	
0009 L4 3		9200935 B		1.13	2.08554 *	-0.84	-2.08512	2
0008 A 455		9211434 F		1.13	-2.08470 *			2
				66.92		-35.37	5.43546	
0008 A 455		9200846 B		0.99	-0.31194 *	-0.44	0.31216	2
0007 L4 2		9211553 F		0.99	0.31238 *			2
				67.91		-35.81	5.74762	
0007 L4 2		9190841 F		1.98	-0.05047 *	-1.42	-0.05118	2
0006 L4 1		9191410 B		1.98	0.05188 *			2
				69.90		-37.23	5.69644	
0006 L4 1		9191046 F		0.88	0.12606 *	-2.49	0.12481	2
0005 FCE 3776		9191311 B		0.88	-0.12357 *			2
				70.78		-39.71	5.82125	
0005 FCE 3776		9181523 B		1.11	-1.28585 *	0.18	1.28576	1
0004 B 49		9191146 F		1.08	1.28567 *			2
				71.85		-39.53	7.10701	
0004 B 49		9181418 B		0.95	2.69151 *	0.00	-2.69151	1
0003 B 50				72.81		-39.53	4.41550	
0003 B 50		9181123 B		1.67	0.08551 *	0.00	-0.08551	1
0002 B 51				74.48		-39.53	4.32999 ⁹	

ELEVATION REJECTION AND ERROR CODES

- C - section elevation difference was rejected for cause
i.e. *43* record rejection code set to "F"
- R - section elevation difference was rejected by Halperin rejection algorithm
- @ - section elevation difference does not include refraction correction

* - section elevation difference does not include rod correction

♀	INSTRUMENT CODE	INSTRUMENT	RODS	
	1	243 - 091611	396 - 026047	396 - 026048
	2	243 - 090202	396 - 026047	396 - 026048

♀

LEVEL LINE SECTION RUNNING TREE

- 0101
- 0100
- 0066
- 0065
- 0064
- 0063
- 0062
- 0061
- 0060
- 0057 (0058
0059)
- 0056
- 0055
- 0054
- 0053
- 0052
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- 0027
- 0026
- 0025
- 0024
- 0023
- 0022
- 0021
- 0020
- 0019
- 0018
- 0017
- 0016 (0045)
- 0015
- 0014
- 0013
- 0012
- 0011
- 0010
- 0009
- 0008
- 0007

NGVD29. ABS

0006
0005
0004
0003
0002[‡]
FROM

TO

N. LATI TUDE

W. LONGI TUDE

FI EL D DI STANCE VS.

COMPUTED

	0101	264157	0804919	0.00	0.00
0101	0100	264154	0804827	1.64	1.44
0100	0066	264154	0804823	0.11	0.11
0066	0065	264154	0804823	0.02	0.00
0065	0064	264154	0804823	0.00	0.00
0064	0063	264146	0804824	0.27	0.25
0063	0062	264135	0804827	0.42	0.35
0062	0061	264041	0804857	1.90	1.86
0061	0060	264003	0804915	1.29	1.27
0060	0057	263911	0804930	1.69	1.65
0057	0058	263817	0804943	1.67	1.70
0058	0059	263725	0805000	1.74	1.67
0057	0056	263910	0805014	1.22	1.22
0056	0055	263908	0805118	1.79	1.77
0055	0054	263910	0805212	1.46	1.49
0054	0053	263911	0805307	1.63	1.52
0053	0052	263909	0805407	1.60	1.66
0052	0051	263910	0805505	1.64	1.60
0051	0050	264002	0805506	1.66	1.60
0050	0049	264004	0805558	1.44	1.44
0049	0048	264000	0805702	1.70	1.77
0048	0047	263907	0805700	1.63	1.63
0047	0046	263814	0805657	1.60	1.63
0046	0044	263725	0805659	1.59	1.51
0044	0043	263642	0805703	1.53	1.33
0043	0042	263542	0805659	1.66	1.85
0042	0041	263515	0805657	0.81	0.83
0041	0040	263449	0805657	0.81	0.80
0040	0039	263355	0805654	1.71	1.66
0039	0038	263303	0805655	1.58	1.60
0038	0037	263212	0805654	1.59	1.57
0037	0036	263150	0805657	0.72	0.68
0036	0035	263115	0805654	1.01	1.08
0035	0034	263022	0805652	1.64	1.63
0034	0033	262930	0805653	1.63	1.60
0033	0032	262837	0805650	1.64	1.63
0032	0031	262811	0805650	0.82	0.80
0031	0030	262744	0805649	0.83	0.83
0030	0029	262653	0805648	1.56	1.57
0029	0028	262602	0805648	1.58	1.57
0028	0027	262613	0805649	0.02	0.34
0027	0026	262511	0805648	1.60	1.91
0026	0025	262440	0805646	0.95	0.96
0025	0024	262417	0805646	0.63	0.71
0024	0023	262336	0805608	1.71	1.64
0023	0022	262250	0805528	1.77	1.80
0022	0021	262206	0805451	1.72	1.70
0021	0020	262123	0805413	1.71	1.69
0020	0019	262100	0805354	0.91	0.88
0019	0018	262039	0805335	0.78	0.83
0018	0017	261953	0805253	1.80	1.83
0017	0016	261953	0805253	0.04	0.00
0016	0045	261949	0805257	0.09	0.17
0016	0015	261952	0805226	0.85	0.75
0015	0014	261952	0805214	0.37	0.33
0014	0013	261952	0805159	0.50	0.42
0013	0012	261952	0805059	1.54	1.66
0012	0011	261952	0805043	0.69	0.44
0011	0010	261952	0805006	0.76	1.03
0010	0009	261952	0805006	0.01	0.00
0009	0008	261952	0804925	1.13	1.14
0008	0007	261952	0804847	0.99	1.05
0007	0006	261952	0804739	1.98	1.89

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0006	0005	261952	0804705	0.88	0.94
0005	0004	261954	0804627	1.08	1.06
0004	0003	261957	0804551	0.95	1.00
0003	0002	261958	0804453	1.67	1.61 [♀]

ABSTRA Versi on 5.21 -- October 1991 -- Mon Jan 06 14:13:09 1997

SECTION
FROM TO

E R R O R M E S S A G E S