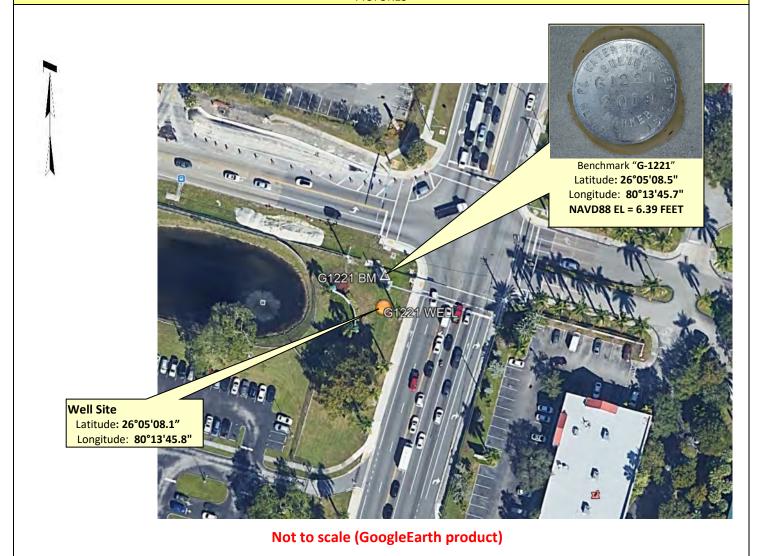


Rev. 1/16

U.S.G.S. Station Name: G-1221	U.S.G.S. Station Number: <b>260458080134801</b>	Agend	•	Date of Field Work: 09/20/19				
Party Chief: T. AVERY	Field Book: SFWMD #1	pok: Page(s):						
	SITE SPEC	IFIC DAT	-A					
Site Benchmark:	Benchmark Elevation(s) (NAVD88):		Corpscon 6.0.1	Conversion F	actor (NAVD88 to NGVD29)			
G-1221	6.39 feet		+ 1.57 feet					
Well Reference Elevation (A	/AVD88):	Groun	d Elevation (N.	Pad Elevation (NAVD88):				
8.04'		5.6' N/A						
	GEOGRAF	PHIC DAT	Ā	•				
Section 23	Township <b>50 SOU</b>	ITH			Range 41 EAST			
Well Latitude:	Location Source:							
26°05'08.13"N	80°13'45.75"W	AVERAGED FPRN & TRIMBLE VRSNOW RTK						
State Plane Coordinates:	ane Coordinates: Northing (Y) = <b>637548'</b> Easting (X) = <b>909100'</b>							

Notes: NAVD88 – North American Vertical Datum of 1988; NGVD29- National Geodetic Vertical Datum of 1929; Corpscon 6.0.1 - A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville Fl.

### **PICTURES**

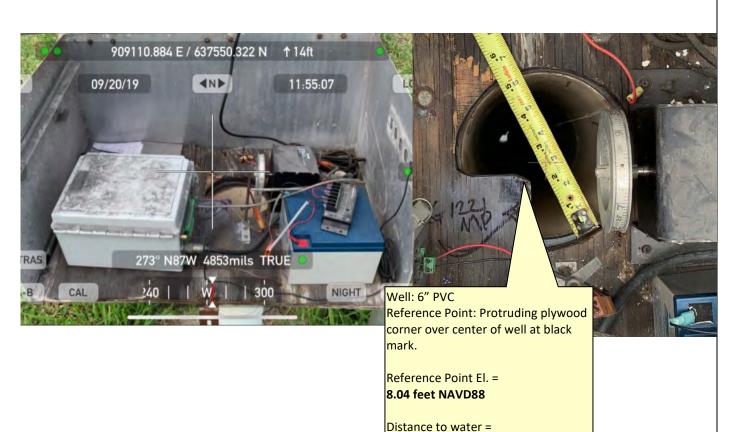




Rev. 1/16

#### Well Site and Well Head





-6.97 feet from reference point

(09/27/19 at 12:01 PM)



Rev. 1/16

## New Aluminum Tag





	Rev. 1/16
11000 000	
USGS RMs	
NOTE THERE ARE NO HOOD REPRENCE MONTHENTO IN THE MICHIEV OF WELL	C 1001
NOTE: THERE ARE NO USGS REFERENCE MONUMENTS IN THE VICINITY OF WELL	L G-1221.



Rev. 1/16

### **Site Benchmark**







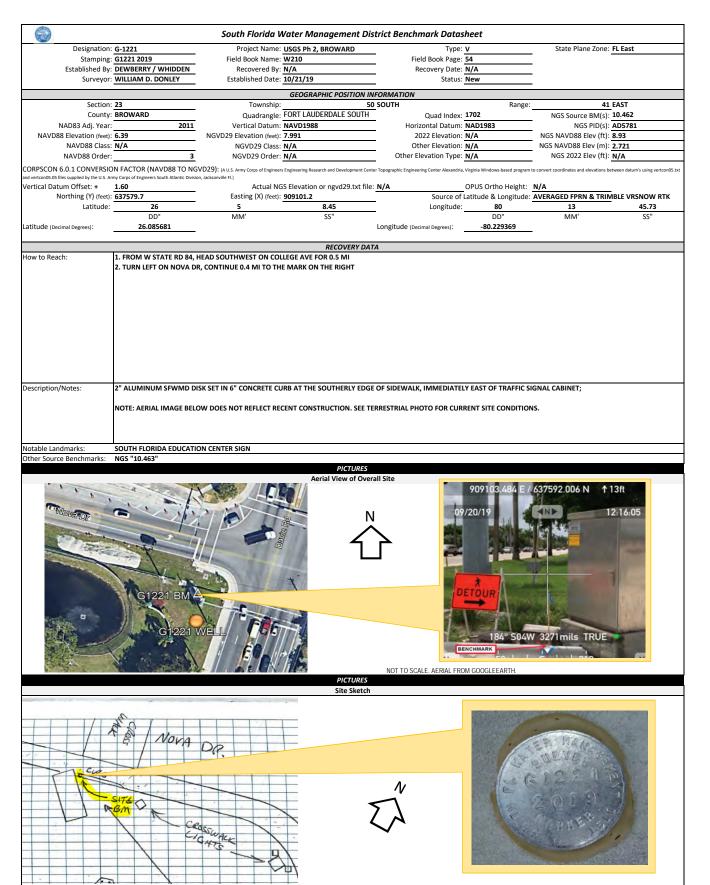


Rev. 1/16

### **Source Benchmarks**



Latitude: 26°05'40.5" Longitude: 80°13'44.1" NAVD88 EL = 8.93 FEET



Page 1 of 1





Rev. 1/16

#### "10.462" Benchmark Datasheet (1 of 3)

### The NGS Data Sheet

#### See file dsdata.pdf for more information about the datasheet.

```
PROGRAM = datasheet95, VERSION = 8.12.5.4
        National Geodetic Survey, Retrieval Date = OCTOBER 22, 2019
AD5781 DESIGNATION - 10.462
AD5781 PID - AD5781
AD5781 STATE/COUNTY- FL/BROWARD
AD5781 PID
                   - US
AD5781
        COUNTRY
AD5781 USGS QUAD - FORT LAUDERDALE SOUT (1994)
AD5781
AD5781
                             *CURRENT SURVEY CONTROL
AD5781
AD5781* NAD 83(1986) POSITION- 26 05 40.62 (N) 080 13 44.14 (W) HD HELDI
                                                     8.93 (feet) ADJUSTED
AD5781* NAVD 88 ORTHO HEIGHT -
                                 2.721 (meters)
AD5781
AD5781 GEOID HEIGHT
                               -25.408 (meters)
                                                                  GEOID18
AD5781 DYNAMIC HEIGHT -
                                                    8.91 (feet) COMP
                                2.717 (meters)
AD5781 MODELED GRAVITY - 979,057.9 (mgal)
                                                                  NAVD 88
AD5781
                     - FIRST
                                 CLASS II
AD5781 VERT ORDER
AD5781
AD5781. The horizontal coordinates were determined by differentially corrected
AD5781.hand held GPS observations or other comparable positioning techniques
AD5781.and have an estimated accuracy of +/- 3 meters.
AD5781. The orthometric height was determined by differential leveling and
AD5781.adjusted by the NATIONAL GEODETIC SURVEY
AD5781.in June 1991.
AD5781
AD5781. Significant digits in the geoid height do not necessarily reflect accuracy.
AD5781.GEOID18 height accuracy estimate available here.
AD5781
AD5781. Click here to see if photographs exist for this station.
AD5781
AD5781. The dynamic height is computed by dividing the NAVD 88
AD5781.geopotential number by the normal gravity value computed on the
AD5781. Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD5781.degrees latitude (g = 980.6199 \text{ gals.}).
AD5781
AD5781. The modeled gravity was interpolated from observed gravity values.
AD5781
AD5781:
                          North
                                      East Units Estimated Accuracy
AD5781; SPC FL E - 195,325.0
                                  277,132.9
                                                MT (+/- 3 meters HH1 GPS)
AD5781
AD5781 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RNJ7710686390(NAD 83)
AD5781
                             SUPERSEDED SURVEY CONTROL
AD5781
AD5781
AD5781 NGVD 29 (09/01/92) 3.210 (m) 10.53 (f) ADJUSTED 1 2
AD5781. Superseded values are not recommended for survey control.
AD5781
```



Rev. 1/16

#### "10.462" Benchmark Datasheet (2 of 3)

```
AD5781.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
AD5781.See file dsdata.pdf to determine how the superseded data were derived.
AD5781
AD5781 MARKER: DD = SURVEY DISK
AD5781 SETTING: 36 = SET IN A MASSIVE STRUCTURE
AD5781_SP_SET: BOAT LOCK WALL
AD5781_STAMPING: 10.462 MSL 1939
AD5781 MARK LOGO: USE
AD5781 STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
AD5781 SATELLITE: THE SITE LOCATION WAS REPORTED AS NOT SUITABLE FOR
AD5781+SATELLITE: SATELLITE OBSERVATIONS - December 22, 2013
AD5781
AD5781 HISTORY
                    - Date
                               Condition
                                                 Report By
AD5781 HISTORY
                    - 1939
                             MONUMENTED
                                                 USE
                    - 1978
AD5781 HISTORY
                               GOOD
                                                 FL-011
                    - 19910716 GOOD
AD5781 HISTORY
                                                 USPSQD
AD5781 HISTORY
                    - 19940307 GOOD
                                                 USPSQD
                    - 20010416 GOOD
AD5781 HISTORY
                                                 GCYI
AD5781 HISTORY
                   - 20020114 GOOD
                                                 NGS
AD5781 HISTORY
AD5781 HISTORY
                   - 20131222 GOOD
                                                 GEOCAC
                   - 20160125 POOR
                                                 WANTGP
AD5781
AD5781
                                 STATION DESCRIPTION
AD5781
AD5781'DESCRIBED BY BROWARD COUNTY FLORIDA 1978
AD5781'1.9 MI NORTH FROM DAVIE.
AD5781'ABOUT 1.9 MILES NORTH OF DAVIE CITY HALL. FROM THE INTERSECTION OF
AD5781'STATE ROAD 84 AND U.S. 441 PROCEED 1.8 MILES NORTHWEST ALONG
AD5781'STATE ROAD 84 TO THE MARK. THE MARK IS LOCATED 765 FEET WEST OF THE
AD5781'PROJECTED CENTERLINE OF DAVIE ROAD AT THE NORTH NEW RIVER CANAL LOCK
AD5781'NUMBER 1. THE MARK IS 130 FEET NORTH OF THE NORTH EDGE OF PAVEMENT OF
AD5781'THE WESTBOUND LANES OF STATE ROAD 84. THE MARK IS A U.S. CORPS OF
AD5781'ENGINEERS DISK.
AD5781
AD5781
                                 STATION RECOVERY (1991)
AD5781
AD5781'RECOVERY NOTE BY US POWER SQUADRON 1991 (JHH)
AD5781'RECOVERED IN GOOD CONDITION.
AD5781
AD5781
                                 STATION RECOVERY (1994)
AD5781
AD5781'RECOVERY NOTE BY US POWER SQUADRON 1994
AD5781'RECOVERED IN GOOD CONDITION.
AD5781
AD5781
                                 STATION RECOVERY (2001)
AD5781
AD5781'RECOVERY NOTE BY G.C.Y., INCORPORATED 2001 (PA)
AD5781'RECOVERED IN GOOD CONDITION.
AD5781
AD5781
                                 STATION RECOVERY (2002)
AD5781
AD5781'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 2002 (DB)
AD5781'THIS REPORT WAS SUBMITTED BY THE US POWER SQUADRONS.
AD5781
AD5781
                                 STATION RECOVERY (2013)
AD5781
AD5781'RECOVERY NOTE BY GEOCACHING 2013 (RKG)
AD5781'RECOVERED IN GOOD CONDITION BY GEOCACHER GUNGADOY.
AD5781
AD5781
                                 STATION RECOVERY (2016)
```





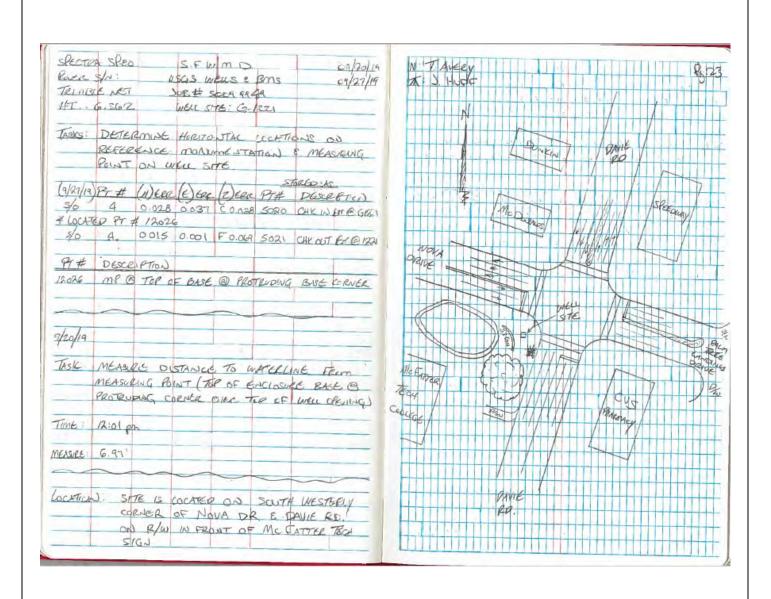


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Ther:			10-10-	12.00	Oil -	0 -	ROUND		+++	+++	+++	+++	Н	+	Н	+	Н	+	+	+		+	+	H
10	LEV	T	of we	100	PINE		7.4		+++		-	+++	Н	++	Н	-	-	-	++			+	+	H
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	-					47612								1		T			1				1	-
	5.39			G.115					III		H			T					Ħ	T			1	T
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			11.622							П				T						П			7	Г
	31.5/31.5			21.5/53																				Г
									Ш		Ш								П					Г
				3.69										П					П					
Bon					3.5783	101-653	€ 8.044	MG	m	EA S	wat in	st	00	10	r -		Tie	ac	0	P	LIVE	NOI	5	
		-		3.465	1				3	SE		6	We	540		6	100	20	100	13	1			
				225/50	1				131					н	111									L
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+ BCE																								I
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	3,945	3 8300	H-874	5.64 5.4850 5.33		<del>\$9.998</del>	3 6.389	BA	ck (	2)	\$ TA	et n	xG.	Pol	70	- (	5/-	-e	CS.	137				
	3,945	3 8300	H-874	5.64		44.498	3 (6.389	ВА			H	H			Н				H	-				
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Rev. 1/16

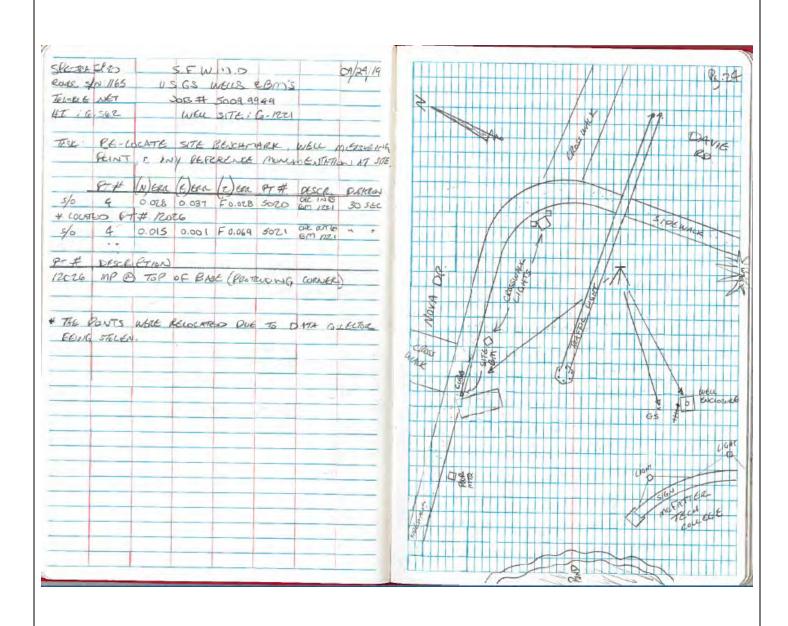
### **Dewberry Field Notes (2 of 3)**





Rev. 1/16

## Dewberry Field Notes (3 of 3)





Rev. 1/16

Busine Charic Locking Session  A Durine Charic Locking Session  A Durine Charic Locking Session  A manage passes on the pro-mess  Control Roll 10.462 AD578  Rights Eury 8.93  Observed 1.9.467  AV = 0.044	Lig MANS & CX SAN DE CX SAN DE CX SAN DE CONTROL ROMAT 10.462 ADSTER	Whidden I	Field Notes
Lig MANS & CX STON  Lig MA	Lig MARS & CX SCU  Lig MARS & CX		
Lig MANS & CX STON  Lig MA	Lig MARS & C. S. S. L.  Lig MARS & C. S. L.  Lig MARS & C. S. L.  Lig MARS & C. S. S		
Lig MANS & CX STON  Lig MA	Lig MANS & CX STON  Lig MA		
Lig MARS & CX STON  Lis 10. 462  DURING GRATIC LOGGING SESSTON  TRUMBLE SPS ESS ON ZMETICS (COO)  WAS USED TO CHECK INTO 1705  CONTROL RONT 10.462 ADST-8	Lig MARS & CX STON  Lis 10. 462  DURING GRATIC LOGGING SESSTON  TRUMBLE SPS ESS ON ZMETICS (COO)  WAS USED TO CHECK INTO 1705  CONTROL RONT 10.462 ADST-8		
LOS HAMES & CESSON  LOS HAMES & CESSON  LOS HAMES & CESSON  LOS HAMES & CONTROL LOGISINA SESSION  TRAINING STATIC LOGISINA SESSION  TRAINING SPS 885 ON 2 Metres (2005)  HAS USED TO CHECK INTO 1/05  CONTROL ROMT 10-1462 ADST-8	LOS HAMES & CESSON  LOS HAMES & CESSON  LOS HAMES & CESSON  LOS HAMES & CONTROL LOGISINA SESSION  TRAINING STATIC LOGISINA SESSION  TRAINING SPS 885 ON 2 Metres (2005)  HAS USED TO CHECK INTO 1/05  CONTROL ROMT 10-1462 ADST-8		
DURING CYTATIC LOGGING SESSION  TRUMBLE SPSESS ON ZNETZES (2005)  WAS USED TO CHECK INTO MOS  CONTROL ROMT 10.462 ADST-8	DURING CYTATIC LOGGING SESSION  TRUMBLE SPSESS ON ZNETZES (2005)  WAS USED TO CHECK INTO MOS  CONTROL ROMT 10.462 ADST-8	612-2	W210/54
DURING CYTATIC LOGGING SESSION  TRUMBLE SPSESS ON ZNETZES (2005)  WAS USED TO CHECK INTO MOS  CONTROL ROMT 10.462 ADST-8	DURING CYTATIC LOGGING SESSION  TRUMBLE SPSESS ON ZNETZES (2005)  WAS USED TO CHECK INTO MOS  CONTROL ROMT 10.462 ADST-8		(D) 45 (4) 4
LOG HATS & CESTON  LOG HATS & CESTON  LO CATALLE LOGGING SESSION  TRAINGE LOGGING SESSION  TRAINGE LOS ESTON  TRAINGE LOS ESTON  TRAINGE LOS ESTON  WAS USED TO CHECK INTO MOS  CONTROL POINT 10,462 ADST8	LOG HATS & CESTON  LOG HATS & CESTON  LO CATALLE LOGGING SESSION  TRAINGE LOGGING SESSION  TRAINGE LOS ESTON  TRAINGE LOS ESTON  TRAINGE LOS ESTON  WAS USED TO CHECK INTO MOS  CONTROL POINT 10,462 ADST8		TOUA & STORE CARE
Log MARS & CESTAT  LOG MARS & CESTAT  LOG MARS & CESTAT  DURING CHATIC LOGGING SESSION  TRAINIGE EPSESS OF ZMETIES TOO  WAS USED TO CHECK INTO MOS  CONTROL ROINT 10,462 ADSITE	Log MARS & CESTAT  LOG MARS & CESTAT  LOG MARS & CESTAT  DURING CHATIC LOGGING SESSION  TRAINIGE EPSESS OF ZMETIES TOO  WAS USED TO CHECK INTO MOS  CONTROL ROINT 10,462 ADSITE		
TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78	TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78	00000 Barr W/ 5880 0 225 M	
TRAINIBLE SPS 885 ON 2 METERS 1200  WAS USED TO CHECK INTO 1265  CONTROL POINT 10,462 ADS78	TRAINIBLE SPS 885 ON 2 METERS 1200  WAS USED TO CHECK INTO 1265  CONTROL POINT 10,462 ADS78	11. Who I CE Shell	
TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78	TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78	(409)	
TRAINIBLE SPS 885 ON 2 METERS 1200  WAS USED TO CHECK INTO 1265  CONTROL POINT 10,462 ADS78	TRAINIBLE SPS 885 ON 2 METERS 1200  WAS USED TO CHECK INTO 1265  CONTROL POINT 10,462 ADS78	to 0.469	
TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78	TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78		
TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78	TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78		
TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78	TRAINIBLE SPS 885 ON 2 METERS (180) WAS USED TO CHECK INTO MOSS  CONTROL POINT 10,462 ADS78		
TRIMBLE SPS 885 ON 2 METERS (180)  WAS USED TO CHECK INTO MOS  CONTROL ROINT 10,462 ADS78	TRIMBLE SPS 885 ON 2 METERS (180)  WAS USED TO CHECK INTO MOS  CONTROL ROINT 10,462 ADS78		
WAS USED TO CHECK INTO MOS CONTROL ROINT 10,462 ADST8	WAS USED TO CHECK INTO MOS CONTROL ROINT 10,462 ADST8	THE WALL OF THE PARTY OF THE PA	
CONTROL POINT 10.462 ADST-8	CONTROL POINT 10.462 ADST-8		
RUBLISHED ELEV, 8,93 083ERVED, 8,97 AV = 0.04	Published Elev, 8,93  OBSERVED, 9,93  CV = 0,04	CONTROL ROINT 10,462 ADST8	
RUBLISHED ELEV, 8,93 085ERVED , 8,93 AV = 0.04	PUBLICHISH ELEV, 8,93  095ERVED 1 9,93  AV = 0.04		
085ERVED ; 8,97 AV = 0,04	065ERVED ( 9.97	PUBLISHED ELEV, 8,93	
AV = 0.04		083ERVED ; 8.97	
		AV-OOH-	