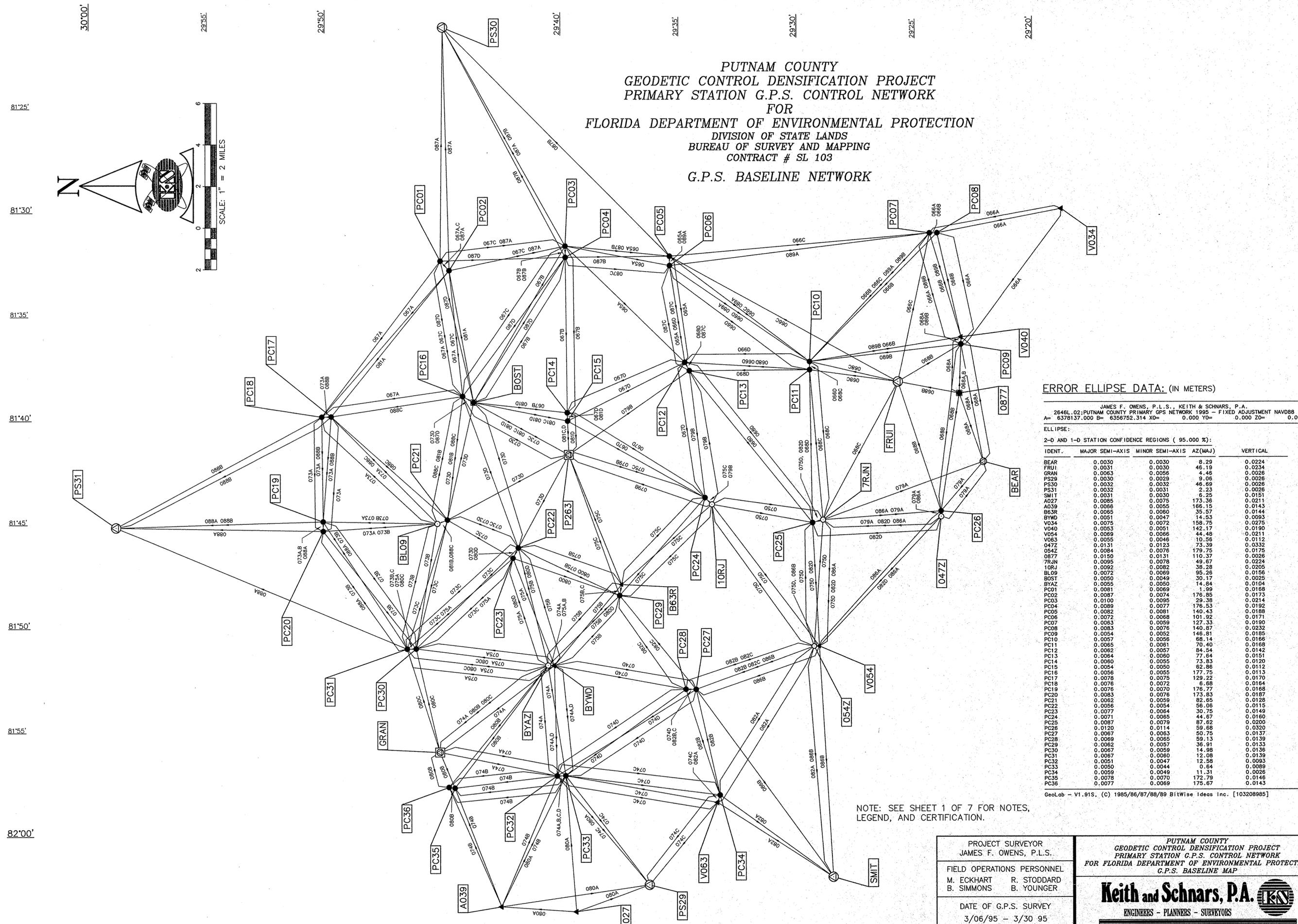
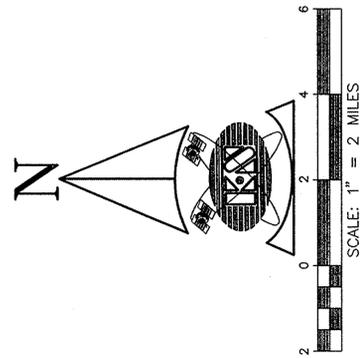


PUTNAM COUNTY
GEODETIC CONTROL DENSIFICATION PROJECT
PRIMARY STATION G.P.S. CONTROL NETWORK
FOR
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF STATE LANDS
BUREAU OF SURVEY AND MAPPING
CONTRACT # SL 103
G.P.S. BASELINE NETWORK



ERROR ELLIPSE DATA: (IN METERS)

JAMES F. OWENS, P.L.S., KEITH & SCHNARS, P.A.
 2646L.02:PUTNAM COUNTY PRIMARY GPS NETWORK 1995 - FIXED ADJUSTMENT NAVD88
 A= 6378137.000 B= 6356752.314 X0= 0.000 Y0= 0.000 Z0= 0.000

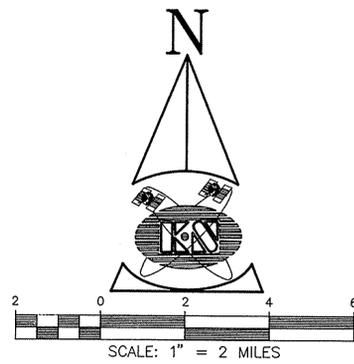
ELLIPSE:

2-D AND 1-D STATION CONFIDENCE REGIONS (95.000%):

IDENT.	MAJOR SEMI-AXIS	MINOR SEMI-AXIS	AZ(MAJ)	VERTICAL
BEAR	0.0030	0.0030	8.29	0.0224
FRUJ	0.0031	0.0030	46.19	0.0234
GRAN	0.0063	0.0056	4.46	0.0226
PS29	0.0030	0.0029	3.06	0.0226
PS30	0.0032	0.0032	48.68	0.0226
PS31	0.0032	0.0031	2.23	0.0226
SMIT	0.0031	0.0030	5.25	0.0151
A027	0.0075	0.0075	173.36	0.0211
A039	0.0066	0.0055	166.15	0.0143
B63R	0.0065	0.0080	35.57	0.0144
BYWD	0.0051	0.0047	14.53	0.0093
V034	0.0072	0.0072	158.75	0.0275
V040	0.0053	0.0051	142.17	0.0190
V054	0.0066	0.0066	44.48	0.0211
V083	0.0046	0.0046	10.56	0.0112
047Z	0.0131	0.0123	73.39	0.0332
054Z	0.0084	0.0076	179.75	0.0176
0877	0.0150	0.0131	110.57	0.0226
0877	0.0150	0.0078	49.57	0.0224
10RJ	0.0082	0.0082	38.28	0.0205
BLO9	0.0072	0.0069	95.28	0.0156
BOST	0.0050	0.0049	30.17	0.0025
BYAZ	0.0055	0.0050	14.84	0.0104
PC01	0.0081	0.0069	1.99	0.0168
PC02	0.0087	0.0074	175.86	0.0173
PC03	0.0100	0.0095	29.58	0.014
PC04	0.0089	0.0077	176.53	0.0192
PC05	0.0082	0.0081	140.43	0.0188
PC06	0.0088	0.0088	101.92	0.0171
PC07	0.0063	0.0059	127.33	0.0190
PC08	0.0083	0.0076	140.87	0.0232
PC09	0.0054	0.0052	146.51	0.0185
PC10	0.0057	0.0056	69.14	0.0168
PC11	0.0065	0.0061	70.40	0.0190
PC12	0.0082	0.0057	84.54	0.0142
PC13	0.0080	0.0080	77.84	0.0151
PC14	0.0060	0.0055	73.83	0.0120
PC15	0.0054	0.0050	62.86	0.0112
PC16	0.0059	0.0055	177.75	0.0153
PC17	0.0078	0.0075	123.22	0.0170
PC18	0.0076	0.0072	6.68	0.0164
PC19	0.0076	0.0070	176.77	0.0168
PC20	0.0083	0.0076	173.83	0.0187
PC21	0.0082	0.0059	82.65	0.0128
PC22	0.0056	0.0054	56.06	0.0115
PC23	0.0077	0.0064	30.76	0.0149
PC24	0.0071	0.0065	44.67	0.0160
PC25	0.0087	0.0079	87.62	0.0200
PC26	0.0120	0.0114	59.68	0.0320
PC27	0.0087	0.0087	50.137	0.0137
PC28	0.0069	0.0065	59.13	0.0139
PC29	0.0062	0.0057	36.91	0.0133
PC30	0.0067	0.0059	14.98	0.0139
PC31	0.0087	0.0080	12.08	0.0139
PC32	0.0051	0.0047	12.58	0.0093
PC33	0.0050	0.0044	0.64	0.0089
PC34	0.0049	0.0048	11.11	0.0028
PC35	0.0078	0.0070	172.79	0.0146
PC36	0.0077	0.0069	175.67	0.0143

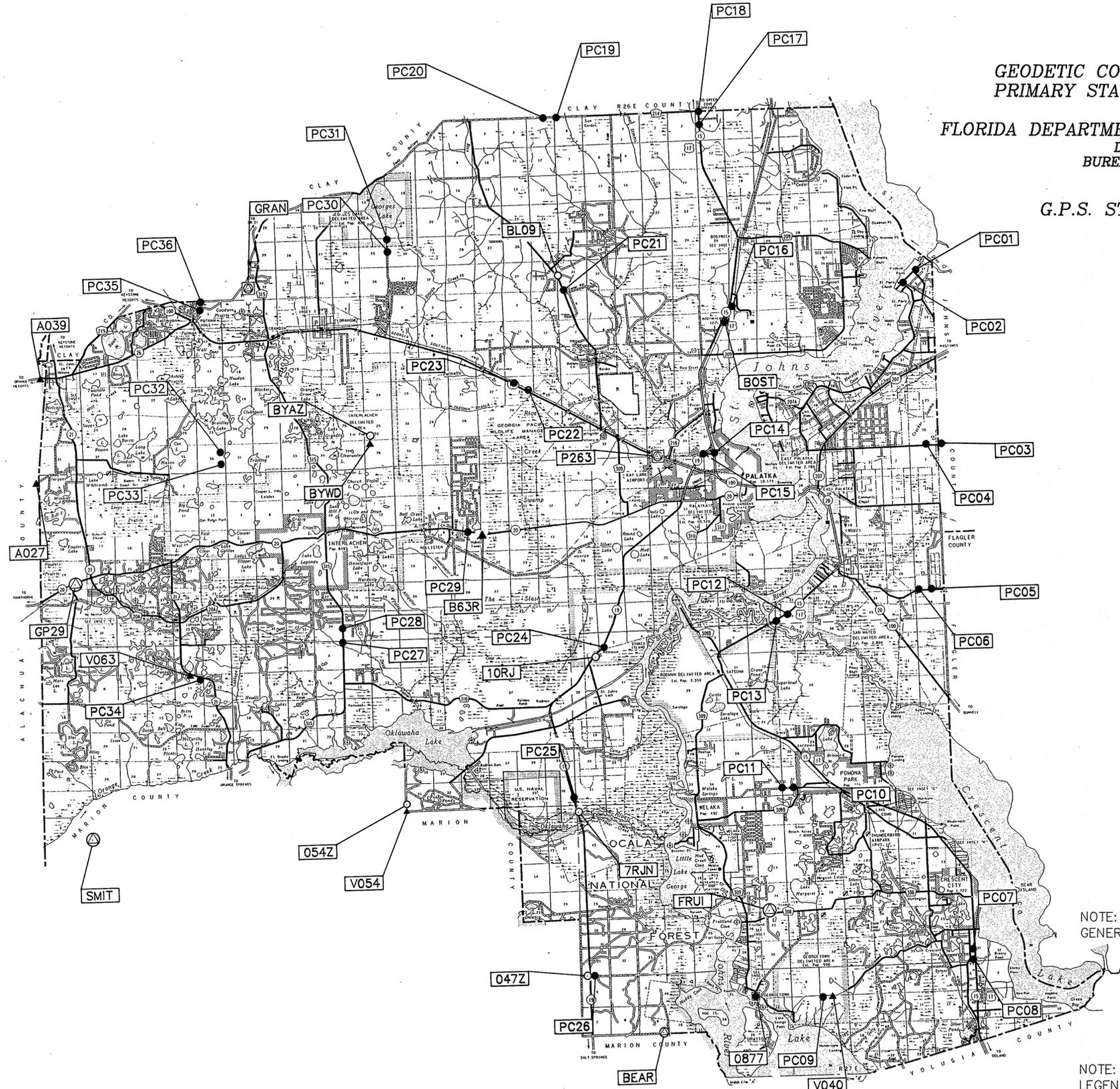
NOTE: SEE SHEET 1 OF 7 FOR NOTES, LEGEND, AND CERTIFICATION.

PROJECT SURVEYOR JAMES F. OWENS, P.L.S.	PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. BASELINE MAP
FIELD OPERATIONS PERSONNEL M. ECKHART R. STODDARD B. SIMMONS B. YOUNGER	 Keith and Schnars, P.A. ENGINEERS - PLANNERS - SURVEYORS
DATE OF G.P.S. SURVEY 3/06/95 - 3/30/95 (JD 065 - JD 089)	2525 Drane Field Rd. Suite 7 Lakeland, FL 33811 Tel: 941-646-4771



PUTNAM COUNTY
 GEODETIC CONTROL DENSIFICATION PROJECT
 PRIMARY STATION G.P.S. CONTROL NETWORK
 FOR
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF STATE LANDS
 BUREAU OF SURVEY AND MAPPING
 CONTRACT # SL 103

 G.P.S. STATION LOCATION OVERLAY



NOTE: BASE MAP COPIED FROM F.D.O.T.
GENERAL HIGHWAY MAP FOR PUTNAM COUNTY

NOTE: SEE SHEET 1 OF 7 FOR NOTES,
LEGEND, AND CERTIFICATION.

<p>PROJECT SURVEYOR JAMES F. OWENS, P.L.S.</p>	<p style="text-align: center;"> PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION SURVEY PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. STATION LOCATION OVERLAY </p>
<p>FIELD OPERATIONS PERSONNEL M. ECKHART R. STODDARD B. SIMMONS B. YOUNGER</p>	<p>Keith and Schnars, P.A. </p> <p>ENGINEERS - PLANNERS - SURVEYORS</p>
<p>DATE OF G.P.S. SURVEY 3/06/95 - 3/30/95 (JD 0065 - JD 089)</p>	<p>2825 Drane Field Rd., Suite 7 Lakeland, FL 33811 Tel: 941-646-4771</p>

SHEET NO.	3	DATE		REVISION		DATE		REVISION		DATE	
PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. STATION LOCATION OVERLAY											
COUNTY: PUTNAM SEC: TWP: RGE: OFF. NO.: SL103 # 1 DWG. NAME: 26-6D02-3 D.W.G. DATE: 6/02/95 PHOTO DATE: DRAWN BY: D.M.M. CHECKED BY: JFC											
DEPT. of ENVIRONMENTAL PROTECTION BUREAU of SURVEY and MAPPING 3900 COMMONWEALTH BLVD. TALLAHASSEE, FL 32399 (904) 488-2427											

**PUTNAM COUNTY
GEODETIC CONTROL DENSIFICATION PROJECT
PRIMARY STATION G.P.S. CONTROL NETWORK
FOR
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF STATE LANDS
BUREAU OF SURVEY AND MAPPING
CONTRACT # SL 103**

G.P.S. STATION TO-REACH DESCRIPTIONS

STATION: USCGS "BEAR 1935" (HPGN)

RECOVERED AS DESCRIBED

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1989
THE STATION IS LOCATED ABOUT 31.38 KM (19.50 MI) SOUTH OF PALATKA, 4.83 KM (3.00 MI) NORTHEAST OF SALT SPRINGS, IN OCALA NATIONAL FOREST, IN SECTION 9, T 13 S, R 26 E.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 19, COUNTY ROAD 316 AND FORT GATES FERRY ROAD IN SALT SPRINGS, GO NORTHEASTERLY FOR 2.57 KM (1.60 MI) ON FORT GATES FERRY ROAD TO THE JUNCTION OF FR 27 (FOREST ROAD 27). TURN RIGHT AND GO EAST FOR 0.64 KM (0.40 MI) ON FR 27 TO FR 24 ON RIGHT. CONTINUE AHEAD FOR 1.29 KM (0.80 MI) ON FR 27 TO THE TOP OF HILL AND THE STATION ON LEFT. LOCATED 20.42 M (67.0 FT) NORTHWEST FROM A 30-CM OAK TREE, 13.26 M (43.5 FT) NORTH FROM THE APPROXIMATE CENTER OF FR 27, 1.07 M (3.5 FT) SOUTH FROM A CARSONITE WITNESS POST, 0.55 M (1.8 FT) WEST FROM A WITNESS POST AND 0.40 M (1.3 FT) EAST FROM A WITNESS POST. DESCRIBED BY R.L. MALLOY.

STATION: USCGS "FRUITLAND 1933 1969" (HPGN)

RECOVERED AS DESCRIBED

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
THE STATION IS LOCATED ABOUT 8.05 KM (5.00 MI) SOUTHWEST OF WELAKA, 1.61 KM (1.00 MI) EAST-NORTHEAST OF FRUITLAND, AT THE NORTHWEST CORNER OF AN OLD ORANGE GROVE. OWNERSHIP--JOHN C. WILLIAMS, ROUTE 1 BOX 552, CRESCENT CITY FL. PHONE 904-649-4672.

TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS S-309 AND S-308 IN WELAKA, GO SOUTHWESTERLY FOR 7.40 KM (4.60 MI) ON HIGHWAY S-309 TO A PAVED ROAD LEFT, CONVENIENCE STORE AND GAS STATION ON SOUTH SIDE OF PAVED ROAD. TURN LEFT AND GO NORTH FOR 1.29 KM (0.80 MI) ON STATE ROAD 308 TO INTERSECTION OF BEULAH CHURCH RD. TURN LEFT AND GO NORTH FOR 0.24 KM (0.15 MI) ON BEULAH CHURCH RD TO THE STATION ON RIGHT. THE STATION IS RECESSED 30 CM BELOW GROUND. LOCATED 13.41 M (44.0 FT) SOUTH FROM AN 8-CM WOOD POST THAT IS 1.22 M (4.0 FT) TALL, 9.66 M (31.7 FT) EAST FROM THE APPROXIMATE CENTER OF BEULAH CHURCH RD, 6.25 M (20.5 FT) NORTHEAST FROM A UTILITY POLE WITH 2 TRANSFORMERS AND GUY WIRE AND 0.61 M (2.0 FT) WEST FROM A CARSONITE WITNESS POST. DESCRIBED BY R.W. MCALLISTER.

STATION: USCGS "GRANDIN 1937" (HPGN)

RECOVERED AS DESCRIBED

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
THE STATION IS LOCATED ABOUT 3.22 KM (2.00 MI) NORTH OF GRANDIN, 0.56 KM (0.35 MI) WEST-SOUTHWEST OF COUNTY ROAD 315, IN A PASTURE, ON THE EAST SIDE OF A HILL, NEAR THE DIVIDE LINE OF SECTIONS 31 AND 32, T 8 S, R 24 E. OWNERSHIP--J.W. MCINARNY SR., ROUTE 1 BOX 1790, MELROSE FL 32666, PHONE 904-659-2480.

TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAY 100 AND COUNTY ROAD 315 IN GRANDIN, GO NORTHERLY FOR 3.54 KM (2.20 MI) ON COUNTY ROAD 315 TO A SAND ROAD LEFT. TURN LEFT AND GO WESTERLY FOR 0.08 KM (0.05 MI) ON BUNDY LAKE ROAD TO A FIELD ENTRANCE GATE ON LEFT. BEAR LEFT, PASS THROUGH GATE, TURN LEFT AND GO SOUTH (UPHILL) FOR 0.40 KM (0.25 MI) ACROSS THE PASTURE TO A BARN. TURN RIGHT AND GO WEST FOR 0.40 KM (0.25 MI) TO A GATE. PASS THROUGH GATE, TURN LEFT AND GO SOUTH FOR 0.08 KM (0.05 MI) TO THE STATION ON LEFT, ON THE EAST SIDE OF A BARBED WIRE FENCE. THE STATION PROJECTS 27 CM ABOVE GROUND. LOCATED 92.81 M (304.5 FT) SOUTH FROM AN EAST-WEST BARBED WIRE FENCE, 16.92 M (55.5 FT) SOUTH-SOUTHWEST FROM A 30-CM OAK TREE, 9.80 M (31.5 FT) EAST FROM A NORTH-SOUTH PHONO WIRE AND 0.37 M (1.2 FT) EAST FROM A METAL WITNESS POST (PLAQUE MISSING). DESCRIBED BY D.F. CALLAHAN.

ADDITIONAL REFERENCES AS FOLLOWS--

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN A 18 INCH DIAMETER OAK TREE, MAGNETIC AZIMUTH OF 208 DEGREES AT 100.06 FT (30.50 M).

RECOVERED REFERENCE MARK NO 2, A USCGS DISC SET IN THE TOP OF A CONCRETE MONUMENT STAMPED "GRANDIN NO 2 1937 1968", MAGNETIC AZIMUTH OF 248 DEGREES AT 85.12 FT (25.94 M).

RECOVERED REFERENCE MARK NO 3, A USCGS DISC SET IN THE TOP OF A CONCRETE MONUMENT STAMPED "GRANDIN NO 3 1937 1968", MAGNETIC AZIMUTH OF 345 DEGREES AT 91.85 FT (28.00 M).

STATION: USCGS "P 263 1966" (HPGN)

RECOVERED AS DESCRIBED

DESCRIBED BY NATIONAL GEODETIC SURVEY 1989
THE STATION IS LOCATED ABOUT 4.51 KM (2.80 MI) NORTHWEST OF PALATKA, AT THE KAY LARKIN AIRPORT, AT THE NORTH END OF RUNWAY 17-35, IN THE NORTH PART OF SECTION 3, T 10 S, R 26 E. OWNERSHIP--CITY OF PALATKA, 201 N. SECOND STREET, PALATKA FL 32077, AL BUSH - CITY MANAGER, PHONE 904-329-0100, FIXED BASE OPERATION - CITY OF PALATKA, LESTER RUSSELL, ROBIN FLEMING, PHONE 329-0148, 329-0149. NOTE--PERMISSION MUST BE OBTAINED BEFORE ENTERING AIRPORT.

TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAYS 19 AND 100 ON THE NORTHWEST SIDE OF PALATKA, GO WEST-NORTHWEST FOR 2.01 KM (1.25 MI) ON HIGHWAY 100 TO A PAVED ROAD LEFT AND AIRPORT SIGN. TURN LEFT AND GO SOUTH-SOUTHWEST FOR 0.16 KM (0.10 MI) ON THE PAVED ROAD TO A GATE ON RIGHT, ON THE SOUTH SIDE OF A MAINTENANCE HANGAR (TERMINAL BUILDING STRAIGHT AHEAD). TURN RIGHT, PASS THROUGH GATE, BEAR LEFT AND GO SOUTHERLY FOR ABOUT 60 M (196.8 FT) ON AN APRON TO A RAMP. BEAR LEFT AND GO SOUTHWESTERLY FOR ABOUT 50 M (164.0 FT) ON THE RAMP TO A TAXIWAY. TURN RIGHT AND GO NORTHWEST FOR 0.20 KM (0.10 MI) ON THE TAXIWAY TO RUNWAY 17-35 AND THE STATION ON RIGHT. THE STATION PROJECTS 5 CM ABOVE GROUND. LOCATED 69.80 M (229.0 FT) NORTHWEST FROM THE SOUTHWEST CORNER OF A U-SHAPED CONCRETE CULVERT, 0.48 M (1.6 FT) SOUTHWEST FROM A METAL WITNESS POST AND 0.43 M (1.4 FT) SOUTHWEST FROM THE SOUTHWEST CORNER OF A 1.22 M (4.0 FT) SQUARE CONCRETE PAD FOR ABANDONED RUNWAY LIGHT AT THE NORTHEAST CORNER OF RUNWAY. DESCRIBED BY D.F. CALLAHAN.

STATION: NGS "FLGPs 29 1988" (HPGH)

RECOVERED AS DESCRIBED

THE STATION IS LOCATED ABOUT 38.30 KM (23.80 MI) WEST OF PALATKA, 29.77 KM (18.50 MI) SOUTHWEST OF GAINESVILLE, ALONG STATE ROAD 20. OWNERSHIP--STATE ROAD RIGHT-OF-WAY.

TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 301 AND STATE ROAD 20 IN HAWTHORNE, GO EAST FOR 3.04 KM (1.90 MI) ON STATE ROAD 20 TO THE PUTNAM COUNTY LINE. CONTINUE AHEAD FOR 2.25 KM (1.40 MI) ON STATE ROAD 20 TO THE STATION ON RIGHT. THE STATION IS RECESSED 10 CM BELOW GROUND. LOCATED 58.52 M (192.0 FT) NORTHEAST FROM UTILITY POLE NUMBER 205-40A, 10.06 M (33.0 FT) NORTH-NORTHWEST FROM A FENCE LINE, 6.37 M (20.9 FT) SOUTH-SOUTHWEST FROM THE APPROXIMATE CENTER OF STATE ROAD 20 AND 9.54 M (31.3 FT) NORTH FROM A CARSONITE WITNESS POST. NOTE--ACCESS TO DATUM POINT IS HAD THROUGH A 5-INCH LOGO CAP. DESCRIBED BY R.L. MALLOY.

REFERENCES--

SET NAIL AND DISC "KEITH AND SCHNARS PA" AT THE EDGE OF PAVEMENT, MAGNETIC AZIMUTH OF 347 DEGREES AT 11.11 FT (3.39 M).

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN WOOD FENCE POST, MAGNETIC AZIMUTH OF 129 DEGREES AT 39.13 FT (11.93 M).

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN WOOD FENCE POST, MAGNETIC AZIMUTH OF 214 DEGREES AT 44.55 FT (13.58 M).

FOUND CARSONITE WITNESS POST, MAGNETIC AZIMUTH OF 165 DEGREES AT 31.12 FT (9.49 M).

STATION: NGS "FLGPs 30 1988" (HPGN)

RECOVERED AS DESCRIBED

THE STATION IS LOCATED ABOUT 33.80 KM (21.00 MI) NORTHEAST OF PALATKA, 15.29 KM (9.50 MI) SOUTHWEST OF ST. AUGUSTINE, IN THE MEDIUM OF INTERSTATE HIGHWAY 95. OWNERSHIP--HIGHWAY RIGHT-OF-WAY.

TO REACH THE STATION FROM THE INTERSECTION OF INTERSTATE HIGHWAY 95 AND STATE ROAD 206, ABOUT 16.09 KM (10.00 MI) SOUTH-SOUTHWEST OF ST. AUGUSTINE, GO NORTH FOR 0.72 KM (0.45 MI) ON INTERSTATE HIGHWAY 95 TO THE STATION ON LEFT. THE STATION IS RECESSED 9 CM BELOW GROUND. LOCATED 7.01 M (23.0 FT) EAST-NORTHEAST FROM THE CENTER OF THE DITCH IN HIGHWAY MEDIAN, 6.40 M (21.0 FT) WEST-SOUTHWEST FROM THE APPROXIMATE CENTER OF THE NORTHBOUND LANES OF HIGHWAY AND 6.34 M (20.8 FT) EAST FROM A CARSONITE WITNESS POST. NOTE--ACCESS TO DATUM POINT IS HAD THROUGH A 5-INCH LOGO CAP. DESCRIBED BY R.L. MALLOY.

THE ROD IS FLUSH WITH GROUND LEVEL AND DRIVEN TO A DEPTH OF 13.0 METER

STATION: NGS "FLGPs 31 1988" (HPGN)

RECOVERED AS DESCRIBED

THE STATION IS LOCATED ABOUT 41.03 KM (25.50 MI) SOUTH-SOUTHWEST OF JACKSONVILLE, 7.00 KM (4.35 MI) WEST OF GREEN COVE SPRINGS, ALONG STATE ROAD 16. OWNERSHIP--STATE ROAD RIGHT-OF-WAY.

TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 17 AND STATE ROAD 16 IN GREEN COVE SPRINGS, GO WESTERLY FOR 1.15 KM (0.72 MI) ON STATE ROAD 16 TO THE JUNCTION OF COUNTY ROAD 315 NORTH. CONTINUE AHEAD FOR 1.85 KM (1.15 MI) ON STATE ROAD 16 TO THE STATION ON RIGHT. THE STATION IS RECESSED 38 CM BELOW GROUND. LOCATED 48.68 M (159.7 FT) WEST FROM A STOP SIGN AT RON ROAD, 6.40 M (21.0 FT) NORTH FROM THE APPROXIMATE CENTER OF STATE ROAD 16 AND 12.34 M (40.5 FT) SOUTH FROM A CARSONITE WITNESS POST. NOTE--ACCESS TO DATUM POINT IS HAD THROUGH A 5-INCH LOGO CAP. DESCRIBED BY R.L. MALLOY.

THE ROD IS FLUSH WITH GROUND LEVEL AND DRIVEN TO A DEPTH OF 24.4 METER

STATION: USCGS "SMITH 1935 1969" (HPGN)

RECOVERED AS DESCRIBED

RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
THE STATION IS LOCATED ABOUT 16.09 KM (10.00 MI) SOUTHWEST OF HAWTHORNE, 11.27 KM (7.00 MI) NORTHEAST OF CITRA, ON THE SOUTH SIDE OF STATE HIGHWAY 316.

TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 301 AND STATE HIGHWAY 316 IN CITRA, GO EAST FOR 8.53 KM (5.30 MI) ON HIGHWAY 316 TO A BAPTIST CHURCH ON LEFT. CONTINUE NORTHEASTERLY FOR 3.14 KM (1.95 MI) ON HIGHWAY 316 TO A FORK. CONTINUE AHEAD FOR 0.40 KM (0.25 MI) ON HIGHWAY 316 TO THE STATION ON RIGHT. THE STATION IS RECESSED 38 CM BELOW GROUND. LOCATED 14.78 M (48.5 FT) SOUTHWEST FROM THE APPROXIMATE CENTER OF STATE HIGHWAY 316 AND 5.03 M (16.5 FT) SOUTHWEST FROM A CARSONITE WITNESS POST IN FENCE LINE. DESCRIBED BY F.W. ROSSMANN.

STATION: ALACHUA COUNTY "STATION A027"

DESCRIBED BY PERRY C MCGRIFF COMPANY 1988 (LC)

THE STATION IS LOCATED ABOUT 27.3 KM (17.0 MI) EAST OF THE CITY OF GAINESVILLE. OWNERSHIP--ACR 1474 R/W.

TO REACH THE STATION FROM THE SR 20 OVERPASS AND U.S. 301, GO NORTHEAST FOR 2.7 KM (1.7 MI) ON ACR 1474 TO ACR 219A. CONTINUE STRAIGHT AHEAD AND GO EAST FOR 2.4 KM (1.5 MI) ON ACR 1474 TO THE AZIMUTH MARK. CONTINUE STRAIGHT AHEAD AND GO EAST FOR 0.8 KM (0.5 MI) ON ACR 1474 TO THE STATION ON THE RIGHT 93.9 METERS (308) WEST OF E/P.

THE STATION IS A STANDARD AC GIS DISK STAMPED--STATION A027-- SET INTO THE GROUND 12 FT TO REFUSAL (6 IN PVC SLEEVE) 14.20 METERS (46.59 FT) SOUTH FROM A NAIL AND CAP SET IN 14 IN PINE (NO 3765), 28.73 METERS (94.26 FT) SOUTHWEST FROM A NAIL AND CAP SET IN 14 IN PINE (NO 3765), 23.22 METERS (76.19 FT) NORTHEAST FROM A NAIL AND CAP SET IN TWIN 10 IN OAKS (NO 3765).

STATION: ALACHUA COUNTY "STATION A039"

DESCRIBED BY PERRY C MCGRIFF COMPANY 1988 (LC)

THE STATION IS LOCATED ABOUT 28.3 KM (17.5 MI) NORTHEAST OF THE CITY OF GAINESVILLE. OWNERSHIP--SR 26 R/W.

TO REACH THE STATION FROM THE INTERSECTION OF PUTNAM COUNTY ROAD 21 AND SR 26 IN MELROSE, GO WEST FOR 0.8 KM (0.5 MI) ON SR 26 TO QUAIL ST (NE 1A), GO EAST FOR 43.0 M (141.0 FT) TO THE STATION 9.4 METERS (31 FT) SOUTH OF THE CENTERLINE OF SR26.

THE STATION IS A STANDARD AC GIS DISK STAMPED--STATION A039-- SET INTO THE GROUND 9 FT TO REFUSAL (6 IN PVC SLEEVE) 37.16 METERS (121.90 FT) SOUTHWEST FROM A NAIL AND CAP IN POWER POLE (NO 3765), 25.77 METERS (84.57 FT) SOUTHWEST FROM A NAIL AND CAP IN POWER POLE (NO 3765), 14.82 METERS (47.97 FT) NORTHEAST FROM A NAIL AND CAP SET IN ASPHALT (NO 3765), 16.27 METERS (53.39 FT) NORTHWEST FROM A NAIL AND CAP SET IN ASPHALT (NO 3765).

STATION: NGS "BAYWOOD 1937 1974"

THE STATION IS ABOUT 13.0 MI (20.9 KM) WEST OF PALATKA IN THE RIGHT-OF-WAY OF MICHAEL AVENUE IN SECTION 36, TOWNSHIP 9 SOUTH, RANGE 24 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 20 AND COUNTY ROAD 315 IN INTERLACHEN, GO NORTH ON COUNTY ROAD 315 FOR 2.2 MI (3.5 KM) TO THE INTERSECTION OF MAIN STREET, TURN RIGHT ON MAIN STREET AND GO EAST FOR 0.1 MI (0.2 KM) TO THE INTERSECTION OF SILVER LAKE ROAD, TURN LEFT ON SILVER LAKE ROAD AND GO NORTH AND THEN EAST FOR 0.45 MI (0.72 KM) TO THE INTERSECTION OF PRINSETTA DRIVE, TURN RIGHT ON PRINSETTA DRIVE AND GO SOUTH FOR 0.1 MI (0.2 KM) TO THE INTERSECTION OF FOWLER STREET, TURN LEFT ON FOWLER STREET AND GO EAST FOR 1.05 MI (1.69 KM) TO THE INTERSECTION OF EVANS AVENUE, TURN LEFT ON EVANS AVENUE AND GO NORTH AND THEN NORTHEAST FOR 0.35 MI (0.56 KM) TO THE INTERSECTION OF MICHAEL AVENUE, TURN LEFT ON MICHAEL AND GO NORTH FOR 0.45 MI (0.72 KM) TO THE STATION, AN NGS BRASS HORIZONTAL CONTROL DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.5 FT (15.2 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 149.0 FT (45.4 M) SOUTH OF THE CENTERLINE OF CLIFFORD STREET, 33.8 FT (10.3 M) EAST OF A METAL WITNESS POST AND 28.6 FT (8.7 M) WEST OF A METAL WITNESS POST.

RECOVERED REFERENCE MARK NO. 1 IS A STANDARD USCGS DISC SET IN THE TOP OF A CONCRETE MONUMENT, STAMPED BAYWOOD NO 1 1937, WITH A MAGNETIC AZIMUTH OF 318 DEGREES AT 82.63 FT (25.19 M).

RECOVERED REFERENCE MARK NO. 2 IS A STANDARD USCGS DISC SET IN THE TOP OF A CONCRETE MONUMENT, STAMPED BAYWOOD NO 2 1937, WITH A MAGNETIC AZIMUTH OF 112 DEGREES AT 82.15 FT (25.04 M).

STATION: NGS "V034 1990"

RECOVERED AS DESCRIBED

DESCRIBED BY STEINMAN AND ASSOCIATES 1990
THE STATION IS LOCATED AT THE INTERSECTION OF U.S. HIGHWAY 17 AND COUNTY ROAD 305 IN SEVILLE, IN VOLUSIA COUNTY. IN THE NORTHEAST 1/4 OF SECTION 8-1148-828E.

TO REACH THE STATION BY ROAD, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY 17 AND COUNTY ROAD 305. PROCEED EASTERLY ON COUNTY ROAD 305 FOR A DISTANCE OF 103.7 FT (31.6 M) TO THE STATION ON THE LEFT. THE STATION LIES IN A GRASS ISLAND IN THE ASPHALT PARKING LOT OF THE U.S. POST OFFICE AT SEVILLE IN THE NORTHERLY RIGHT-OF-WAY OF COUNTY ROAD 305. THE STATION IS 103.7 FT (31.6 M) EAST OF THE CENTERLINE OF U.S. HIGHWAY 17, 28.3 FT (8.6 M) NORTH OF THE CENTERLINE OF COUNTY ROAD 305, AND 19.7 FT (6.0 M) SOUTHERLY OF A STREET LIGHT POST IN THE GRASS ISLAND. ACCESS TO DATUM POINT--THE STATION IS RECESSED INSIDE A NGS LOGO CAP WHICH IS MOUNTED ON A 5 1/4 INCH DIAMETER PVC PIPE SET IN A CONCRETE COLLAR.

REFERENCES--

KEITH AND SCHNARS NAIL AND CAP, SET IN A 12 INCH OAK TREE, NORTH 77 DEGREES WEST AT 65.51 FT (19.97 M).

KEITH AND SCHNARS NAIL AND CAP, SET IN A 20 INCH OAK TREE, NORTH 25 DEGREES EAST AT 100.78 FT (30.72 M).

KEITH AND SCHNARS REBAR AND CAP, SET 27.0 FT (8.2 M) SOUTH OF THE SOUTH EDGE OF PAVEMENT OF COUNTY ROAD 305, SOUTH 37 DEGREES EAST AT 82.44 FT (25.13 M).

SET CARSONITE WITNESS POST NORTH 3.40 FT (1.04 M).

STATION: NGS "V040 1990"

RECOVERED AS DESCRIBED

THE STATION IS LOCATED 4.5 MI (7.2 KM) SOUTHWEST OF CRESCENT CITY AND 3.0 MI (4.8 KM) SOUTH SOUTHWEST OF FRUITLAND, IN PUTNAM COUNTY. IN THE NORTHWEST 1/4 OF SECTION 8-T13S-R27E.

TO REACH THE STATION BY ROAD, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY 17 AND OLD HIGHWAY 17, 0.5 MI (0.8 KM) NORTH OF THE VOLUSIA-PUTNAM COUNTY LINE. PROCEED NORTHERLY ON OLD HIGHWAY 17 FOR A DISTANCE OF 2.15 MI (3.46 KM) TO THE INTERSECTION OF DENVER ROAD ON THE LEFT. TURN LEFT AND PROCEED WESTERLY ON DENVER ROAD FOR A DISTANCE OF 0.60 MI (0.97 KM) TO A NORTHERLY TURN IN DENVER ROAD AT THE RAILROAD TRACKS. CONTINUE NORTHERLY ON DENVER ROAD FOR ANOTHER 0.95 MI (1.53 KM) TO A T-INTERSECTION WHICH IS CARRIER ROAD. TURN LEFT AND PROCEED WESTERLY FOR A DISTANCE OF 0.20 MI (0.32 KM) TO THE RAILROAD TRACKS. AT CRESCENT CITY STATION. CONTINUE WESTERLY ACROSS THE TRACKS ON GEORGETOWN-DENVER ROAD FOR A DISTANCE OF 4.5 MI (7.2 KM) TO A GRASS ROAD ON THE LEFT WHICH IS PALMETTO COURT. TURN LEFT ONTO PALMETTO COURT AND PROCEED SOUTHERLY FOR A DISTANCE OF 0.10 MI (0.16 KM) TO THE INTERSECTION OF CARTERET ROAD, TURN LEFT ONTO CARTERET ROAD AND PROCEED EASTERLY FOR A DISTANCE OF 130.0 FT (39.6 M) TO THE STATION ON THE RIGHT. THE STATION LIES 16.0 FT (4.9 M) SOUTH OF THE CENTER OF CARTERET ROAD ON THE SOUTH EDGE OF THE BERM WHICH IS THE NORTH SIDE OF THE DITCH PARALLELING CARTERET ROAD. ACCESS TO DATUM POINT--THE STATION IS RECESSED INSIDE A NGS LOGO CAP WHICH IS MOUNTED ON A 5 1/4 INCH DIAMETER PVC PIPE SET IN A CONCRETE COLLAR.

REFERENCES--

KEITH AND SCHNARS NAIL AND CAP, SET IN A 10 INCH PINE TREE SOUTH OF THE ROAD, SOUTH 84 DEGREES EAST AT 58.75 FT (17.91 M).

KEITH AND SCHNARS REBAR AND CAP, SET IN THE APPARENT NORTH RIGHT-OF-WAY LINE, NORTH 10 DEGREES EAST AT 51.65 FT (15.74 M).

KEITH AND SCHNARS REBAR AND CAP, SET SOUTH OF THE ROAD, SOUTH 83 DEGREES WEST AT 54.54 FT (16.62 M).

SET CARSONITE WITNESS POST SOUTH 07 DEGREES WEST AT 16.70 FT (5.09 M).

THE ROD IS FLUSH WITH GROUND LEVEL AND DRIVEN TO A DEPTH OF 18.3 METER

ADDITIONAL REFERENCES BY KEITH AND SCHNARS P.A. (1995) AS FOLLOWS--

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN 8 INCH DIAMETER PINE TREE, MAGNETIC AZIMUTH OF 312 DEGREES AT 80.96 FT (24.68 M).

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN 14 INCH DIAMETER PINE TREE, MAGNETIC AZIMUTH OF 119 DEGREES AT 58.57 FT (17.85 M).

FOUND METAL PIPE WITH CAP "LS 4243", MAGNETIC AZIMUTH OF 220 DEGREES AT 20.64 FT (6.29 M).

FOUND CARSONITE WITNESS POST, MAGNETIC AZIMUTH OF 187 DEGREES AT 16.7 FT (5.1 M).

STATION: BLM "N.E. COR TWP 12 RGE 24 EAST" (V054)

RECOVERED AS DESCRIBED

DESCRIBED BY P C MCGRIFF COMPANY 1990
THE STATION LIES IN THE OCALA NATIONAL FOREST NEAR THE NORTHEAST CORNER OF TOWNSHIP 12 SOUTH, RANGE 24 EAST.

TO REACH THE STATION COMMENCE AT THE INTERSECTION OF MARION COUNTY ROAD NUMBER 316 AND STATE ROAD NUMBER 19, THENCE PROCEED NORTH ON STATE ROAD NUMBER 19 A DISTANCE OF 0.75 MI (1.21 KM) TO THE MARION-PUTNAM COUNTY LINE. THENCE CONTINUE NORTH ON STATE ROAD NUMBER 19 A DISTANCE OF 7.3 MI (11.7 KM) TO FOREST ROAD NUMBER 77 ON THE LEFT. TURN LEFT AND PROCEED WEST ON SAID FOREST ROAD NUMBER 77 A DISTANCE OF 5.05 MI (8.12 KM) TO FOREST ROAD NUMBER 88 ON THE LEFT. CONTINUE WEST ON FOREST ROAD NUMBER 77 A DISTANCE OF 1.45 MI (2.33 KM) TO A DIRT TRAIL ROAD TO THE SOUTH. TURN LEFT AND PROCEED SOUTH ON THE TRAIL ROAD 0.45 MI (0.72 KM) TO A POWERLINE (E-W) AND A TRAIL ROAD WEST. TURN RIGHT AND PROCEED WEST ALONG THE TRAIL ROAD 0.65 MILES TO THE P.I. IN THE POWERLINE (RUNS NORTH) AND A DIRT TRAIL ROAD NORTH. TURN RIGHT AND PROCEED NORTH 150 FT (45.7 M) TO THE STATION ON THE RIGHT, 10 FT (3.0 M) EAST OF THE CENTER OF SAID DIRT TRAIL ROAD. THE STATION IS A BLM MONUMENT WITH A CONCRETE COLLAR STAMPED--N.E. COR TWP 12, RGE 24 EAST--

REFERENCES--

KEITH AND SCHNARS NAIL AND CAP, SET IN 12 INCH PINE, NORTH 57 DEGREES EAST AT 22.40 FT (6.83 M).

KEITH AND SCHNARS NAIL AND CAP, SET IN 12 INCH PINE, SOUTH 56 DEGREES EAST AT 55.33 FT (16.86 M).

KEITH AND SCHNARS NAIL AND CAP, SET IN POWER POLE, SOUTH 11 DEGREES WEST AT 160.86 M.

SET CARSONITE WITNESS POST EAST AT 2.0 FT (0.6 M).

RECOVERED OR SET THE FOLLOWING REFERENCES BY KEITH AND SCHNARS P.A. (1995)--

FOUND NAIL AND DISC "KEITH AND SCHNARS PCP" IN 18 INCH DIAMETER PINE TREE, MAGNETIC AZIMUTH OF 121 DEGREES AT 55.33 FT (16.86 M).

FOUND NAIL AND DISC "KEITH AND SCHNARS LB 3102" IN WOOD POWER POLE, MAGNETIC AZIMUTH OF 188 DEGREES AT 160.96 FT (49.06 M).

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN 5 INCH DIAMETER PINE TREE, MAGNETIC AZIMUTH OF 314 DEGREES AT 43.09 FT (13.13 M).

FOUND CARSONITE WITNESS POST, EAST AT 2.0 FT (0.6 M).

NOTE: SEE SHEET 1 OF 7 FOR NOTES, LEGEND, AND CERTIFICATION
SEE SHEET 3 OF 7 FOR CONTROL STATION LOCATION OVERLAY

<p>PROJECT SURVEYOR JAMES F. OWENS, P.L.S.</p>	<p>PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. STATION TO-REACH DESCRIPTIONS</p>
<p>FIELD OPERATIONS PERSONNEL M. ECKHART R. STODDARD B. SIMMONS B. YOUNGER</p>	<p>Keith and Schnars, P.A. ENGINEERS - PLANNERS - SURVEYORS</p>
<p>DATE OF G.P.S. SURVEY 3/06/95 - 3/30/95 (JD 065 - JD 089)</p>	<p>2525 Drane Field Rd. Suite 7 Lakeland, FL 33811 Tel: 941-646-4771</p>

<p>PROJECT TITLE: PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. STATION TO-REACH DESCRIPTIONS</p>	<p>DATE: 6/05/95</p>	<p>REVISION: 1</p>	<p>DATE: 6/05/95</p>	<p>REVISION: 1</p>	<p>DWG. DATE: 6/05/95</p>	<p>PHOTO DATE:</p>	<p>DRAWN BY: D.M.V.</p>	<p>CHECKED BY: F.S.</p>	<p>COUNTY: PUTNAM</p>	<p>SEC. TYP.: RGE.</p>	<p>OFF. NO.: SL103 # 1</p>	<p>DWG. NAME: 2648D02-4</p>
---	----------------------	--------------------	----------------------	--------------------	---------------------------	--------------------	-------------------------	-------------------------	-----------------------	------------------------	----------------------------	-----------------------------

STATION: NGS "V063 1990"

RECOVERED AS DESCRIBED IN THE RECOVERY NOTES FROM THE MARION-VOLUNIA GPS CONTROL DENSIFICATION PROJECT NGS PROJECT NUMBER - NGS-238.

DESCRIBED BY P C MCGRIFF COMPANY 1990 THE STATION IS LOCATED 2.0 MI (3.2 KM) SOUTH OF JOHNSON. IN PUTNAM COUNTY. IN THE RIGHT-OF-WAY OF PUTNAM COUNTY ROAD 21.

TO REACH THE STATION BY ROAD, COMMENCE AT THE INTERSECTION OF STATE ROAD 20 AND PUTNAM COUNTY ROAD 21. PROCEED SOUTHERLY ALONG PUTNAM COUNTY ROAD 21 FOR A DISTANCE OF 2.0 MI (3.2 KM) TO THE STATION ON THE LEFT. THE STATION LIES 26 FT (7.9 M) EAST OF THE EAST EDGE OF PAVEMENT OF PUTNAM COUNTY ROAD 21, 86.5 FT (26.4 M) SOUTHWEST OF A POWER POLE, AND 32 FT (9.8 M) WEST OF THE WEST EDGE OF A ROUGH ROAD LEADING NORTH. ACCESS TO DATUM POINT--THE STATION IS RECESSED IN A NGS LECO CAP WHICH IS MOUNTED ON A 5 1/4 INCH DIAMETER PVC PIPE SET IN A CONCRETE COLLAR.

REFERENCES--

KEITH AND SCHNARS NAIL AND CAP, SET IN A POWER POLE, NORTH 62 DEGREES EAST AT 86.66 FT (26.41 M).

KEITH AND SCHNARS NAIL AND CAP, SET IN THE CENTERLINE OF PUTNAM COUNTY ROAD 21, SOUTH 86 DEGREES WEST AT 61.52 FT (18.75 M).

KEITH AND SCHNARS NAIL AND CAP, SET IN THE CENTERLINE OF PUTNAM COUNTY ROAD 21, SOUTH 23 DEGREES EAST AT 63.83 FT (19.46 M).

SET CARSONITE WITNESS POST NORTH 35 DEGREES EAST AT 1.0 FT (0.3 M).

ADDITIONAL REFERENCES BY KEITH AND SCHNARS P.A. (1995) AS FOLLOWS--

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN WOOD POWER POLE (NO. T-40A), MAGNETIC AZIMUTH OF 334 DEGREES AT 135.87 FT (41.41 M).

FOUND 4" X 4" CONCRETE MONUMENT, MAGNETIC AZIMUTH OF 40 DEGREES AT 69.26 FT (21.11 M).

FOUND NAIL AND DISC "KEITH AND SCHNARS PCP" IN WOOD POWER POLE, MAGNETIC AZIMUTH OF 63 DEGREES AT 86.66 FT (26.41 M).

SET NAIL AND DISC "KEITH AND SCHNARS PA" AT EDGE OF PAVEMENT, MAGNETIC AZIMUTH OF 207 DEGREES AT 26.98 FT (8.22 M).

FOUND CARSONITE WITNESS POST, MAGNETIC AZIMUTH OF 29 DEGREES AT 1.0 FT (0.3 M).

STATION: USCGS "NO 3 1934"

RECOVERY NOTE BY FL DEPT OF NAT RES 1985 THE MARK IS 0.15 MILE SOUTHWEST OF THE JUNCTION OF COUNTY ROAD C-309 (LEADING SOUTHWEST) WITH THE GEORGETOWN CUTOFF ROAD. ABOUT 475 FEET NORTHWEST ALONG THE GEORGETOWN CUTOFF ROAD FROM THE ST. JOHNS RIVER, 30 FEET NORTHWEST OF THE CENTERLINE OF THE ROAD, 27 FEET NORTHWEST OF A POWER POLE WITH A TRANSFORMER, 7 FEET SOUTH OF A 20-INCH DIAMETER PINE TREE, AND 1 FOOT SOUTHWEST OF A WITNESS POST. THE PIPE IS ABOVE GROUND LEVEL.

STATION: USCGS "B 63 RESET 1965"

RECOVERED AS DESCRIBED AND IN GOOD CONDITION. THE STATION IS SOLID, BUT LEANING TO THE WEST. DISTANCES TO REFERENCE MARKS NO 1 AND NO 2 WERE MEASURED WITH AN E.D.M. AND ARE SHOWN BELOW.

RECOVERED REFERENCE MARK NO. 1, A USCGS REFERENCE MARK DISC SET IN THE TOP OF A CONCRETE MONUMENT, STAMPED "B NO 63 NO 1 1937", MAGNETIC AZIMUTH OF 328 DEGREES AT 139.53 FT (42.53 M).

RECOVERED REFERENCE MARK NO. 2, A USCGS REFERENCE MARK DISC SET IN THE TOP OF A CONCRETE MONUMENT, STAMPED "B NO 63 NO 2 1937", MAGNETIC AZIMUTH OF 61 DEGREES AT 165.85 FT (50.55 M).

THE MONUMENT FOR THE AZIMUTH MARK WAS FOUND DISTURBED AND THE CAP WAS MISSING. A NEW CAP WAS SET IN THE TOP OF THE MONUMENT. THE CAP IS AN ALUMINUM PUTNAM COUNTY GEODETIC CONTROL DISK STAMPED "PC29 1995". A NEW POSITION FOR THE AZIMUTH MARK WAS ESTABLISHED VIA G.P.S. MEASUREMENTS.

STATION IS LOCATED ABOUT 9 MILES WEST OF PALATKA, 6 MILES EAST OF INTERLACHEN AND ON THE SOUTH ROAD RIGHT-OF-WAY OF STATE HIGHWAY 20.

TO REACH THE STATION FROM THE POST OFFICE IN HOLLISTER, GO EAST ON STATE HIGHWAY 20 FOR 0.6 MILE TO THE AZIMUTH MARK ON LEFT. CONTINUE EAST ON STATE HIGHWAY 20 FOR 0.55 MILE TO THE STATION ON RIGHT JUST AFTER PASSING A FLORIDA STATE SERVICE LOOKOUT TOWER.

STATION MARK, A STANDARD DISK STAMPED B 63 RESET 1965, IS SET IN THE TOP OF A 12-INCH ROUND CONCRETE MONUMENT THAT IS SET 6-INCHES BELOW THE GROUND SURFACE. IT IS 34.5 FEET EAST OF THE CENTER OF DRIVEWAY TO HOUSE, 34 FEET SOUTH OF THE CENTER OF STATE HIGHWAY 20, 27.5 FEET NORTHWEST OF A POWER LINE POLE WITH A TRANSFORMER, 2 FEET LOWER THAN HIGHWAY, 1 FOOT WEST OF A METAL WITNESS POST AND 1.5 FEET EAST OF A METAL WITNESS POST. THE UNDERGROUND MARK IS SET IN THE TOP OF AN IRREGULAR MASS OF CONCRETE.

ADDITIONAL REFERENCES AS FOLLOWS--

SET NAIL AND DISC "KEITH AND SCHNARS PA" AT THE EDGE OF PAVEMENT, MAGNETIC AZIMUTH OF 10 DEGREES AT 22.15 FT (6.75 M).

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN A WOOD POWER POLE, MAGNETIC AZIMUTH OF 144 DEGREES AT 27.10 FT (8.26 M).

SET NAIL AND DISC "KEITH AND SCHNARS PA" IN A WOOD POWER POLE, MAGNETIC AZIMUTH OF 279 DEGREES AT 176.50 FT (53.80 M).

FOUND METAL WITNESS POST, WEST AT 1.4 FT (0.4 M).

FOUND METAL WITNESS POST, EAST AT 0.7 FT (0.2 M).

STATION: USCGS & STATE SURVEY "BL 9"

THE STATION IS ABOUT 9.0 MI (14.5 KM) NORTH OF PALATKA IN THE EAST RIGHT-OF-WAY OF COUNTY ROAD 309D IN SECTION 36, TOWNSHIP 8 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 19 AND STATE ROAD 100 IN PALATKA, GO WEST ON STATE ROAD 100 FOR 2.7 MI (4.3 KM) TO THE INTERSECTION OF COUNTY ROAD 309D, TURN RIGHT ON COUNTY ROAD 309D AND GO NORTH FOR 5.6 MI (9.0 KM) TO THE STATION ON THE RIGHT, SET IN THE TOP OF A CONCRETE MONUMENT PROJECTING 0.5 FT (15.2 CM) ABOVE THE LEVEL OF THE GROUND.

LOCATED 96.0 FT (29.3 M) NORTH OF THE CENTERLINE OF BARON ESTATES CIRCLE, 37.0 FT (11.3 M) EAST OF THE CENTERLINE OF COUNTY ROAD 309D AND 1.0 FT (0.3 M) EAST-NORTHEAST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 14-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 35 DEGREES AT 22.54 FT (6.87 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 152 DEGREES AT 119.86 FT (36.53 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 329 DEGREES AT 137.05 FT (41.77 M).

PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF STATE LANDS BUREAU OF SURVEY AND MAPPING CONTRACT # SL 103 G.P.S. STATION TO-REACH DESCRIPTIONS

STATION: NGS "BOSTWICK 1933 NO 3 1968"

THE STATION IS ABOUT 5.0 MI (8.0 KM) NORTH OF PALATKA IN THE NORTHWEST RIGHT-OF-WAY OF U.S. HIGHWAY 17 IN SECTION 12, TOWNSHIP 9 SOUTH, RANGE 26 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 19 AND U.S. HIGHWAY 17 IN PALATKA, GO NORTH AND THEN NORTHEAST ON U.S. HIGHWAY 17 FOR 4.3 MI (6.9 KM) TO THE ENTRANCE TO THE PINE RIDGE TRAILER PARK AND THE STATION ON THE LEFT, A STATE ROAD DEPARTMENT DISK SET IN THE NORTHEAST CORNER OF THE INTERSECTION OF COUNTY ROAD 209.

LOCATED 54.0 FT (16.5 M) NORTHEAST OF THE CENTERLINE OF THE ENTRANCE DRIVEWAY TO THE PINE RIDGE TRAILER PARK, 44.0 FT (13.4 M) NORTHWEST OF THE NORTHWEST EDGE OF THE PAVEMENT OF THE SOUTHBOUND LANE OF U.S. HIGHWAY 17 AND 1.2 FT (0.4 M) SOUTH-SOUTHEAST OF A CARSONITE WITNESS.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 28 DEGREES AT 125.10 FT (38.13 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 122 DEGREES AT 44.11 FT (13.44 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH MAGNETIC AZIMUTH OF 208 DEGREES AT 111.04 FT (33.85 M).

STATION: MARION COUNTY ENGINEERING DEPT. "V047 AZ 47 MK 1990"

THE STATION IS ABOUT 5.0 MI (8.0 KM) WEST-SOUTHWEST OF FRUITLAND IN THE SOUTH RIGHT-OF-WAY OF FOREST ROAD 47 (TRAIL 47) IN SECTION 6, TOWNSHIP 13 SOUTH, RANGE 26 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROAD 310 AND STATE ROAD 19 SOUTHWEST OF PALATKA, GO SOUTH ON STATE ROAD 19 FOR 1.5 MI (2.4 KM) TO THE INTERSECTION OF FOREST ROAD 47 (TRAIL 47), TURN RIGHT ON FOREST ROAD 47 (TRAIL 47) AND GO WEST 0.1 MI (0.2 KM) TO THE STATION ON THE LEFT. A BRASS MARION COUNTY ENGINEERING DEPARTMENT DISK, SET IN THE TOP OF A CONCRETE MONUMENT FLUSH WITH THE GROUND.

LOCATED 8.0 FT (2.4 M) SOUTH OF THE CENTERLINE OF FOREST ROAD 47 (TRAIL 47) AND 4.2 FT (1.3 M) NORTH OF A CARSONITE WITNESS POST.

FOUND NAIL AND DISC IN A 14-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 301 DEGREES AT 88.24 FT (26.90 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 12-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 52 DEGREES AT 62.72 FT (19.12 M). FOUND NAIL AND DISC IN A 14-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 1 DEGREE AT 24.99 FT (7.62 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 184 DEGREES AT 4.2 FT (1.3 M).

STATION: MARION COUNTY ENGINEERING DEPT. "V054 AZ 54 MK 1990"

THE STATION IS ABOUT 9.5 MI (15.3 KM) SOUTH OF INTERLACHEN IN SECTION 31, TOWNSHIP 11 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 20 AND STATE ROAD 19 IN PALATKA, GO SOUTH ON STATE ROAD 19 FOR 12.6 MI (20.3 KM) TO THE INTERSECTION OF FOREST ROAD 77 (TRAIL 77), TURN RIGHT ON FOREST ROAD 77 (TRAIL 77) AND GO WEST FOR 6.5 MI (10.5 KM) TO THE INTERSECTION OF A DIRT ROAD ON THE LEFT, TURN LEFT ON THE DIRT ROAD AND GO SOUTH FOR 0.5 MI (0.8 KM) TO THE STATION ON THE RIGHT, A BRASS MARION COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT FLUSH WITH THE GROUND. 0.25 MI (0.40 KM) NORTH OF A JUNCTION OF DIRT ROADS.

LOCATED 16.0 FT (4.9 M) WEST OF THE APPROXIMATE CENTERLINE OF THE DIRT ROAD AND 2.0 FT (0.6 M) EAST OF A METAL WITNESS POST.

FOUND NAIL AND DISK IN AN 18-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 320 DEGREES AT 30.88 FT (9.35 M). FOUND NAIL AND MARION COUNTY DISK IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 69 DEGREES AT 13.08 FT (3.99 M). FOUND NAIL AND DISC IN AN 18-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 206 DEGREES AT 21.83 FT (6.65 M).

STATION: USGS "10 RJN 1967"

THE STATION IS ABOUT 7.0 MI (11.3 KM) SOUTHWEST OF PALATKA IN THE SOUTHEAST RIGHT-OF-WAY OF STATE ROAD 19 IN SECTION 6, TOWNSHIP 11 SOUTH, RANGE 26 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND STATE ROAD 19 IN PALATKA, GO SOUTHWEST ON STATE ROAD 19 FOR 7.3 MI (11.7 KM) TO THE STATION ON THE LEFT, A U.S. GEOLOGICAL DISK SET IN THE TOP OF A CONCRETE HEADWALL.

LOCATED 17.0 FT (5.2 M) SOUTHWEST OF THE SOUTHEAST EDGE OF PAVEMENT, 1.0 FT (0.3 M) NORTHWEST OF A CARSONITE WITNESS POST AND 0.5 FT (15.2 CM) WEST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 321 DEGREES AT 17.10 FT (5.21 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 17 DEGREES AT 33.52 FT (10.22 M). SET X-CUT IN THE TOP OF THE CONCRETE HEADWALL, WITH A MAGNETIC AZIMUTH OF 225 DEGREES AT 12.29 FT (3.75 M).

STATION: USCG \ FLA. S.R.D. "7 RJN 1967"

THE STATION IS ABOUT 7.0 MI (11.3 KM) NORTHWEST OF FRUITLAND IN THE EAST RIGHT-OF-WAY OF STATE ROAD 19 IN SECTION 6, TOWNSHIP 16 SOUTH, RANGE 26 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROAD 310 AND STATE ROAD 19 SOUTHWEST OF PALATKA, GO SOUTH ON STATE ROAD 19 FOR 3.6 MI (5.8 KM) TO THE BRIDGE OVER THE OKLAHAWA RIVER AND THE STATION ON THE LEFT, A STATE ROAD DEPARTMENT DISK SET IN THE NORTHEAST CORNER OF THE ABUTMENT AND STAMPED (USGS 7 RJN 1967).

LOCATED 8.0 FT (2.4 M) SOUTH OF A CARSONITE WITNESS POST.

X-CUT SET IN THE CONCRETE GUARDRAIL, WITH A MAGNETIC AZIMUTH OF 263 DEGREES AT 33.98 FT (10.08 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN THE TOP OF THE WOOD GUARDRAIL, NORTH AT 51.04 FT (15.56 M). X-CUT SET IN THE CONCRETE GUARDRAIL, WITH A MAGNETIC AZIMUTH OF 176 DEGREES AT 21.17 FT (6.45 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 9 DEGREES AT 0.80 FT (24.38 CM).

STATION: NGS "BAYWOOD 1937 1974 AZ MK"

THE STATION IS ABOUT 13.0 MI (20.9 KM) WEST OF PALATKA IN SECTION 25, TOWNSHIP 9 SOUTH, RANGE 24 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 20 AND COUNTY ROAD 315 IN INTERLACHEN, GO NORTH ON COUNTY ROAD 315 FOR 2.2 MI (3.5 KM) TO THE INTERSECTION OF MAIN STREET, TURN RIGHT ON MAIN STREET AND GO EAST FOR 0.1 MI (0.2 KM) TO THE INTERSECTION OF SILVER LAKE ROAD, TURN LEFT ON SILVER LAKE ROAD AND GO NORTH AND THEN EAST FOR 0.45 MI (0.72 KM) TO THE INTERSECTION OF POINSETTA DRIVE, TURN RIGHT ON POINSETTA DRIVE AND GO SOUTH FOR 0.1 MI (0.2 KM) TO THE INTERSECTION OF FOWLER STREET, TURN LEFT ON FOWLER STREET AND GO EAST FOR 1.05 MI (1.69 KM) TO THE INTERSECTION OF EVANS AVENUE, TURN LEFT ON EVANS AVENUE AND GO NORTH AND THEN NORTHEAST FOR 0.35 MI (0.56 KM) TO THE INTERSECTION OF MICHAEL AVENUE, TURN LEFT ON MICHAEL AVENUE AND GO NORTH FOR 0.85 MI (1.37 KM) TO THE INTERSECTION OF SCHAEFER STREET AND THE STATION IN THE NORTHEAST QUADRANT OF THE INTERSECTION AND SET IN THE TOP OF A CONCRETE MONUMENT FLUSH WITH THE GROUND.

LOCATED 33.0 FT (10.1 M) EAST OF THE CENTERLINE OF MICHAEL STREET, 27.0 FT (8.2 M) NORTH OF THE CENTERLINE OF SCHAEFER STREET AND 0.5 FT (15.2 CM) SOUTH OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 91 DEGREES AT 28.87 FT (8.80 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 177 DEGREES AT 75.95 FT (23.15 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE NUMBER 046, WITH A MAGNETIC AZIMUTH OF 269 DEGREES AT 65.77 FT (20.05 M).

STATION: PUTNAM COUNTY "PC01 1995"

THE STATION IS ABOUT 9.0 MI (14.5 KM) NORTHEAST OF PALATKA ON THE EAST SIDE OF THE ST JOHNS RIVER IN THE NORTHWEST RIGHT-OF-WAY OF COMMERCIAL AVENUE IN SECTION 37A, TOWNSHIP 8 SOUTH, RANGE 27 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 17 AND STATE ROAD 207 EAST OF PALATKA, GO NORTHEAST ON STATE ROAD 207 FOR 6.9 MI (11.1 KM) TO THE INTERSECTION OF OLD HASTINGS ROAD, TURN LEFT ON OLD HASTINGS ROAD AND GO WEST FOR 1.32 MI (2.12 KM) TO THE INTERSECTION OF FEDERAL PT ROAD, TURN RIGHT FEDERAL PT ROAD AND GO WEST-NORTHWEST FOR 2.5 MI (4.0 KM) TO THE INTERSECTION OF COMMERCIAL AVENUE, TURN RIGHT ON COMMERCIAL AVENUE AND GO NORTHEAST FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF SEMINOLE STREET AND THE STATION ON THE LEFT, IN THE WEST-SOUTHWEST CORNER OF THE INTERSECTION, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.2 FT (6.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 49.0 FT (14.9 M) SOUTHWEST OF THE CENTERLINE OF SEMINOLE STREET, 27.5 FT (8.4 M) SOUTHWEST OF A WOOD ANCHOR POLE, 10.6 FT (3.2 M) NORTHWEST OF THE CENTERLINE OF COMMERCIAL AVENUE AND 2.9 FT (0.9 M) SOUTHEAST OF A CARSONITE WITNESS POST.

SET A NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD ANCHOR POLE, WITH A MAGNETIC AZIMUTH OF 40 DEGREES AT 27.45 FT (8.37 M). SET A NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 94 DEGREES AT 36.21 FT (11.04 M). SET A NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 217 DEGREES AT 110.98 FT (33.83 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 325 DEGREES AT 2.9 FT (0.9 M).

STATION: PUTNAM COUNTY "PC02 1995"

THE STATION IS ABOUT 9.0 MI (14.5 KM) NORTHEAST OF PALATKA ON THE EAST SIDE OF THE ST JOHNS RIVER IN THE NORTHWEST RIGHT-OF-WAY OF COMMERCIAL AVENUE IN SECTION 37A, TOWNSHIP 9 SOUTH, RANGE 27 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 17 AND STATE ROAD 207 EAST OF PALATKA, GO NORTHEAST ON STATE ROAD 207 FOR 6.9 MI (11.1 KM) TO THE INTERSECTION OF OLD HASTINGS ROAD, TURN LEFT ON OLD HASTINGS ROAD AND GO WEST FOR 1.32 MI (2.12 KM) TO THE INTERSECTION OF FEDERAL PT ROAD, TURN RIGHT OF FEDERAL PT ROAD AND GO WEST-NORTHWEST FOR 2.5 MI (4.0 KM) TO THE INTERSECTION OF COMMERCIAL AVENUE, TURN LEFT ON COMMERCIAL AVENUE AND GO SOUTHWEST FOR 0.1 MI (0.2 KM) TO THE STATION ON THE RIGHT, IN FRONT OF THE ST PAUL'S EPISCOPAL CHURCH, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 53.6 FT (16.3 M) NORTHEAST OF A WOOD POWER POLE, 43.0 FT (13.1 M) NORTHEAST OF THE APPROXIMATE CENTERLINE OF THE DIRT DRIVEWAY AND 8.5 FT (2.6 M) SOUTHEAST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 143 DEGREES AT 5.89 FT (1.80 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 238 DEGREES AT 53.61 FT (16.34 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 49 DEGREES AT 68.1 FT (20.73 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 325 DEGREES AT 8.5 FT (2.6 M).

STATION: PUTNAM COUNTY "PC03 1995"

THE STATION IS ABOUT 7.0 MI (11.3 KM) EAST-NORTHEAST OF PALATKA IN THE SOUTH RIGHT-OF-WAY OF CRACKER SWAMP ROAD IN SECTION 46, TOWNSHIP 10 SOUTH, RANGE 27 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 17 AND STATE ROAD 207 EAST OF PALATKA, GO NORTH ON STATE ROAD 207 FOR 1.6 MI (2.6 KM) TO THE INTERSECTION OF CRACKER SWAMP ROAD, TURN RIGHT ON CRACKER SWAMP ROAD AND GO EAST FOR 3.8 MI (6.1 KM) TO THE BRIDGE AND THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF THE CONCRETE HEADWALL IN THE SOUTHEAST CORNER OF THE BRIDGE.

LOCATED 4.3 FT (1.3 M) WEST OF A CARSONITE WITNESS POST.

FOUND A RAILROAD SPIKE IN THE ASPHALT, WITH A MAGNETIC AZIMUTH OF 287 DEGREES AT 31.30 FT (9.54 M). FOUND X-CUT IN THE CONCRETE HEADWALL, WITH A MAGNETIC AZIMUTH OF 329 DEGREES AT 32.77 FT (9.99 M). FOUND AN IRON ROD AND CAP (LB 4263), WITH A MAGNETIC AZIMUTH OF 89 DEGREES AT 61.33 FT (18.69 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 178 DEGREES AT 4.3 FT (1.3 M).

STATION: PUTNAM COUNTY "PC04 1995"

THE STATION IS ABOUT 7.0 MI (11.3 KM) EAST-NORTHEAST OF PALATKA IN THE NORTH RIGHT-OF-WAY OF CRACKER SWAMP ROAD IN SECTION 36, TOWNSHIP 9 SOUTH, RANGE 27 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 17 AND STATE ROAD 207 EAST OF PALATKA, GO NORTH ON STATE ROAD 207 FOR 1.6 MI (2.6 KM) TO THE INTERSECTION OF CRACKER SWAMP ROAD, TURN RIGHT ON CRACKER SWAMP ROAD AND GO EAST FOR 3.3 MI (5.3 KM) TO THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A ROUND CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 5.5 FT (1.7 M) NORTH OF THE NORTH EDGE OF THE PAVEMENT AND 5.5 FT (1.7 M) SOUTH OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN AN 8-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 153 DEGREES AT 52.58 FT (16.03 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN AN 8-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 220 DEGREES AT 55.46 FT (16.90 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 185 DEGREES AT 5.54 FT (1.69 M). SET A CARSONITE WITNESS POST, NORTH AT 5.5 FT (1.7 M).

STATION: PUTNAM COUNTY "PC05 1995"

THE STATION IS ABOUT 6.0 MI (9.7 KM) SOUTHWEST OF PALATKA IN THE NORTH RIGHT-OF-WAY OF EAST END ROAD IN SECTION 25, TOWNSHIP 10 SOUTH, RANGE 27 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND U.S. HIGHWAY 17 SOUTHEAST OF PALATKA, GO EAST ON STATE ROAD 100 FOR 0.8 MI (1.3 KM) TO THE INTERSECTION OF EAST END ROAD, TURN LEFT ON EAST END ROAD AND GO EAST FOR 2.75 MI (4.43 KM) TO THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 159.0 FT (48.5 M) WEST OF THE APPROXIMATE CENTERLINE OF THE DIRT ROAD, 33.6 FT (10.2 M) NORTHEAST OF A WOOD POWER POLE, 24.8 FT (7.6 M) SOUTH OF A CARSONITE WITNESS POST AND 6.4 FT (2.0 M) NORTH OF THE NORTH EDGE OF THE PAVEMENT.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 10-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 78 DEGREES AT 74.71 FT (22.77 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 183 DEGREES AT 6.38 FT (1.94 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 232 DEGREES AT 33.58 FT (10.23 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 8 DEGREES AT 24.8 FT (7.6 M).

NOTE: SEE SHEET 1 OF 7 FOR NOTES, LEGEND, AND CERTIFICATION SEE SHEET 3 OF 7 FOR CONTROL STATION LOCATION OVERLAY

PROJECT SURVEYOR JAMES F. OWENS, P.L.S. FIELD OPERATIONS PERSONNEL M. ECKHART R. STODDARD B. SIMMONS B. YOUNGER DATE OF G.P.S. SURVEY 3/06/95 - 3/30/95 (JD 065 - JD 089) PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. STATION TO-REACH DESCRIPTIONS Keith and Schnars, P.A. ENGINEERS - PLANNERS - SURVEYORS 2525 Drane Field Rd. Suite 7 Lakeland, FL 33011 Tel: 941-646-4771

Table with columns: SHEET NO., PROJECT TITLE, COUNTY, PUTNAM, SEC. TWP., RGE., PHOTO DATE, DWG. DATE, REVISION, DATE, DEPT. OF ENVIRONMENTAL PROTECTION, BUREAU OF SURVEY AND MAPPING, 3900 COMMONWEALTH BLVD., TALLAHASSEE, FL 32399

**PUTNAM COUNTY
GEODETIC CONTROL DENSIFICATION PROJECT
PRIMARY STATION G.P.S. CONTROL NETWORK
FOR
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF STATE LANDS
BUREAU OF SURVEY AND MAPPING
CONTRACT # SL 103
G.P.S. STATION TO-REACH DESCRIPTIONS**

STATION: PUTNAM COUNTY "PC21 1995"

THE STATION IS ABOUT 8.5 MI (13.7 KM) NORTHWEST OF PALATKA IN THE SOUTHWEST RIGHT-OF-WAY OF COUNTY ROAD 3090 IN SECTION 31, TOWNSHIP 8 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND STATE ROAD 19 IN PALATKA, GO WEST ON STATE ROAD 100 FOR 2.7 MI (4.3 KM) TO THE INTERSECTION OF COUNTY ROAD 3090, TURN RIGHT ON COUNTY ROAD 3090 AND GO NORTHWEST FOR 5.1 MI (8.2 KM) TO THE STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.4 FT (12.2 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 19.0 FT (5.8 M) EAST-SOUTHEAST OF THE CENTERLINE OF COUNTY ROAD 3090, 17.8 FT (5.4 M) WEST OF THE FENCE CORNER AND 15.0 FT (4.6 M) EAST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 25 DEGREES AT 12.51 FT (3.81 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 137 DEGREES AT 106.60 FT (32.49 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 285 DEGREES AT 17.84 FT (5.44 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 251 DEGREES AT 15.0 FT (4.6 M).

STATION: PUTNAM COUNTY "PC22 1995"

THE STATION IS ABOUT 7.5 MI (12.1 KM) NORTHWEST OF PALATKA IN AN ABANDONED RAILROAD BED IN SECTION 23, TOWNSHIP 9 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND U.S. HIGHWAY 17 IN PALATKA, GO NORTHWEST ON STATE ROAD 100 FOR 6.9 MI (11.1 KM) TO THE INTERSECTION OF ROBERTS LANE, TURN RIGHT ON ROBERTS LANE AND GO NORTH FOR 100.0 FT (30.5 M) TO AN ABANDONED RAILROAD BED, TURN RIGHT ON THE ABANDONED RAILROAD BED AND GO SOUTHWEST FOR 0.9 MI (1.4 KM) TO THE ENTRANCE TO A WILDLIFE MANAGEMENT AREA AND THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 3.9 FT (1.2 M) SOUTHWEST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 58 DEGREES AT 39.85 FT (12.15 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 222 DEGREES AT 26.78 FT (8.16 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 321 DEGREES AT 65.95 FT (20.07 M). SET A CARSONITE WITNESS POST, NORTHEAST AT 3.9 FT (1.2 M).

STATION: PUTNAM COUNTY "PC23 1995"

THE STATION IS ABOUT 7.5 MI (12.1 KM) NORTHWEST OF PALATKA IN AN ABANDONED RAILROAD BED IN SECTION 23, TOWNSHIP 9 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND U.S. HIGHWAY 17 IN PALATKA, GO NORTHWEST ON STATE ROAD 100 FOR 6.9 MI (11.1 KM) TO THE INTERSECTION OF ROBERTS LANE, TURN RIGHT ON ROBERTS LANE AND GO NORTH FOR 100.0 FT (30.5 M) TO AN ABANDONED RAILROAD BED, TURN RIGHT ON THE ABANDONED RAILROAD BED AND GO SOUTHWEST FOR 0.4 MI (0.6 KM) TO THE STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 1.0 FT (0.3 M) NORTHEAST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 55 DEGREES AT 39.38 FT (12.00 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 176 DEGREES AT 33.58 FT (10.24 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 230 DEGREES AT 39.17 FT (11.94 M). SET A CARSONITE WITNESS POST, SOUTHWEST AT 1.0 FT (0.3 M).

STATION: PUTNAM COUNTY "PC24 1995"

THE STATION IS ABOUT 7.0 MI (11.3 KM) SOUTHWEST OF PALATKA IN THE SOUTHWEST RIGHT-OF-WAY OF STATE ROAD 19 IN SECTION 5, TOWNSHIP 11 SOUTH, RANGE 26 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND STATE ROAD 19 IN PALATKA, GO SOUTHWEST ON STATE ROAD 19 FOR 6.9 MI (11.1 KM) TO THE INTERSECTION OF CAMP ROAD AND THE STATION ON THE LEFT IN THE SOUTHWEST QUADRANT OF THE INTERSECTION, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT FLUSH WITH THE GROUND.

LOCATED 30.2 FT (9.2 M) WEST OF A FENCE CORNER AND 30.0 FT (9.1 M) NORTHWEST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 299 DEGREES AT 18.16 FT (5.54 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 109 DEGREES AT 30.23 FT (9.21 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 42 DEGREES AT 79.74 FT (24.30 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 150 DEGREES AT 30.0 FT (9.1 M).

STATION: PUTNAM COUNTY "PC25 1995"

THE STATION IS ABOUT 7.0 MI (11.3 KM) NORTHWEST OF FRUITLAND IN THE WEST RIGHT-OF-WAY OF STATE ROAD 19 IN SECTION 36, TOWNSHIP 11 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROAD 310 AND STATE ROAD 19 SOUTHWEST OF PALATKA, GO SOUTH ON STATE ROAD 19 FOR 3.3 MI (5.3 KM) TO THE STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT FLUSH WITH THE GROUND, 0.3 MI (0.5 KM) NORTH OF THE BRIDGE OVER THE OKLAHAWA RIVER.

LOCATED 23.6 FT (7.2 M) WEST OF THE WEST EDGE OF THE PAVEMENT AND 12.8 FT (3.9 M) EAST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 31 DEGREES AT 38.17 FT (11.63 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 81 DEGREES AT 23.58 FT (7.19 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 130 DEGREES AT 34.91 FT (10.64 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 262 DEGREES AT 12.8 FT (3.9 M).

STATION: PUTNAM COUNTY "PC26 1995"

THE STATION IS ABOUT 5.0 MI (8.0 KM) WEST-SOUTHWEST OF FRUITLAND IN THE NORTH RIGHT-OF-WAY OF FOREST ROAD 47 (TRAIL 47) IN SECTION 31, TOWNSHIP 12 SOUTH, RANGE 26 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROAD 310 AND STATE ROAD 19 SOUTHWEST OF PALATKA, GO SOUTH ON STATE ROAD 19 FOR 9.5 MI (15.3 KM) TO THE INTERSECTION OF FOREST ROAD 47 (TRAIL 47), TURN LEFT ON FOREST ROAD 47 (TRAIL 47) AND GO EAST FOR 0.15 MI (0.24 KM) TO THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT FLUSH WITH THE GROUND.

LOCATED 20.3 FT (6.2 M) NORTH OF THE CENTERLINE OF FOREST ROAD 47 (TRAIL 47) AND 2.7 FT (0.8 M) SOUTH OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 10-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 61 DEGREES AT 24.23 FT (7.39 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 12-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 171 DEGREES AT 65.30 FT (19.90 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 281 DEGREES AT 18.11 FT (5.62 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 4 DEGREES AT 2.65 FT (0.81 M).

STATION: PUTNAM COUNTY "PC27 1995"

THE STATION IS ABOUT 14.5 MI (23.3 KM) SOUTHWEST OF PALATKA IN THE EAST RIGHT-OF-WAY OF COUNTY ROAD 315 IN SECTION 2, TOWNSHIP 11 SOUTH, RANGE 24 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 20 AND COUNTY ROAD 315 IN INTERLACHEN, GO SOUTH ON COUNTY ROAD 315 FOR 4.95 MI (7.97 KM) TO THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 25.2 FT (7.7 M) WEST OF A CARSONITE WITNESS POST AND 16.0 FT (4.9 M) EAST OF THE EAST EDGE OF THE PAVEMENT.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 272 DEGREES AT 16.71 FT (5.09 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 218 DEGREES AT 29.17 FT (8.89 M). FOUND 0.4 FT X 0.4 FT (12.2 CM) CONCRETE MONUMENT, WITH A MAGNETIC AZIMUTH OF 358 DEGREES AT 8.42 FT (2.57 M). FOUND 0.4 FT X 0.4 FT (12.2 CM) CONCRETE MONUMENT, WITH A MAGNETIC AZIMUTH OF 71 DEGREES AT 25.67 FT (7.82 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 96 DEGREES AT 25.2 FT (7.7 M).

STATION: PUTNAM COUNTY "PC28 1995"

THE STATION IS ABOUT 14.5 MI (23.3 KM) SOUTHWEST OF PALATKA IN THE EAST RIGHT-OF-WAY OF COUNTY ROAD 315 IN SECTION 35, TOWNSHIP 10 SOUTH, RANGE 24 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 20 AND COUNTY ROAD 315 IN INTERLACHEN, GO SOUTH ON COUNTY ROAD 315 FOR 4.5 MI (7.2 KM) TO THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 336.0 FT (102.4 M) SOUTH OF THE CENTERLINE OF QUEENS COUNTRY ROAD, 28.0 FT (8.5 M) WEST OF CARSONITE WITNESS POST AND 13.6 FT (4.1 M) EAST OF THE EAST EDGE OF THE PAVEMENT.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 282 DEGREES AT 13.63 FT (4.15 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 10 DEGREES AT 140.89 FT (42.94 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 172 DEGREES AT 175.74 FT (53.57 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 92 DEGREES AT 28.0 FT (8.5 M).

STATION: PUTNAM COUNTY "PC29 1995"

THE STATION IS ABOUT 9.0 MI (14.5 KM) WEST OF PALATKA IN THE NORTH RIGHT-OF-WAY OF STATE ROAD 20 IN SECTION 16, TOWNSHIP 10 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 19 AND STATE ROAD 20 IN PALATKA, GO WEST ON STATE ROAD 20 FOR 7.4 MI (11.9 KM) TO THE STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT.

LOCATED 111.0 FT (33.8 M) WEST OF ROWLAND AVENUE, 37.0 FT (11.3 M) NORTH OF THE NORTH EDGE OF THE PAVEMENT AND 0.8 FT (24.4 CM) SOUTH OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 195 DEGREES AT 37.08 FT (11.30 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN AN 8-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 358 DEGREES AT 46.35 FT (14.13 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 94 DEGREES AT 17.45 FT (5.32 M). SET A CARSONITE WITNESS POST, NORTH AT 0.8 FT (24.4 CM).

NOTE THIS STATION REPLACES THE AZIMUTH MARK FOR N.G.S. (USGCS) STATION B 63 RESET, THE ORIGINAL AZIMUTH MARK WAS FOUND DISTURBED AND THE CAP WAS MISSING, A NEW CAP WAS SET IN THE TOP OF THE MONUMENT.

STATION: PUTNAM COUNTY "PC30 1995"

THE STATION IS ABOUT 14.5 MI (23.3 KM) NORTHWEST OF PALATKA IN THE EAST RIGHT-OF-WAY OF HOLLOWAY ROAD IN SECTION 30, TOWNSHIP 8 SOUTH, RANGE 25 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND STATE ROAD 19 IN PALATKA, GO WEST ON STATE ROAD 100 FOR 12.1 MI (19.5 KM) TO THE INTERSECTION OF HOLLOWAY ROAD, TURN RIGHT ON HOLLOWAY ROAD AND GO NORTH FOR 2.8 MI (4.5 KM) TO THE STATION ON THE RIGHT, JUST SOUTH OF AN OVERHEAD POWER LINE CROSSING, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT FLUSH WITH THE GROUND.

LOCATED 22.0 FT (6.7 M) EAST OF THE CENTERLINE OF HOLLOWAY ROAD AND 7.6 FT (2.3 M) WEST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 12-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 15 DEGREES AT 139.30 FT (42.46 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 6-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 151 DEGREES AT 29.62 FT (9.03 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 12-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 281 DEGREES AT 84.21 FT (25.67 M). SET A CARSONITE WITNESS POST, EAST AT 7.6 FT (2.3 M).

STATION: PUTNAM COUNTY "PC31 1995"

THE STATION IS ABOUT 14.5 MI (23.3 KM) NORTHWEST OF PALATKA IN THE WEST RIGHT-OF-WAY OF HOLLOWAY ROAD IN SECTION 25, TOWNSHIP 8 SOUTH, RANGE 24 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100 AND STATE ROAD 19 IN PALATKA, GO WEST ON STATE ROAD 100 FOR 12.1 MI (19.5 KM) TO THE INTERSECTION OF HOLLOWAY ROAD, TURN RIGHT ON HOLLOWAY ROAD AND GO NORTH FOR 3.14 MI (5.05 KM) TO THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 45.0 FT (13.7 M) SOUTH OF THE CENTERLINE OF PLAICE STREET, 22.0 FT (6.7 M) WEST OF THE CENTERLINE OF HOLLOWAY ROAD AND 8.9 FT (2.7 M) EAST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 12-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 89 DEGREES AT 54.06 FT (16.48 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 12-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 229 DEGREES AT 61.09 FT (18.62 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 358 DEGREES AT 130.27 FT (39.71 M). SET A CARSONITE WITNESS POST, WEST AT 8.9 FT (2.7 M).

STATION: PUTNAM COUNTY "PC32 1995"

THE STATION IS ABOUT 5.0 MI (8.0 KM) NORTHWEST OF INTERLACHEN IN THE WEST RIGHT-OF-WAY OF MELROSE LANDINGS BOULEVARD IN SECTION 36, TOWNSHIP 9 SOUTH, RANGE 23 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROAD 315 AND STATE ROAD 20 IN INTERLACHEN, GO WEST ON STATE ROAD 20 FOR 5.5 MI (8.9 KM) TO THE INTERSECTION OF COUNTY ROAD 21 AND BADEN POWELL ROAD, TURN RIGHT ON BADEN POWELL ROAD AND GO NORTH FOR 3.0 MI (4.8 KM) TO THE INTERSECTION OF MELROSE LANDINGS BOULEVARD, TURN RIGHT ON MELROSE LANDINGS BOULEVARD AND GO EAST AND THEN NORTH FOR 2.55 MI (4.10 KM) TO THE STATION ON THE LEFT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.4 FT (12.2 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 150.0 FT (45.7 M) WEST OF THE CORNER OF AN AIRPORT RUNWAY, 35.3 FT (10.8 M) WEST OF THE CENTERLINE OF MELROSE LANDINGS BOULEVARD AND 1.0 FT (0.3 M) EAST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 61 DEGREES AT 76.59 FT (23.34 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A 15-INCH DIAMETER PINE TREE, WITH A MAGNETIC AZIMUTH OF 205 DEGREES AT 89.55 FT (27.20 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN THE ASPHALT RUNWAY, WITH A MAGNETIC AZIMUTH OF 268 DEGREES AT 149.72 FT (45.63 M). SET A CARSONITE WITNESS POST, WEST AT 1.0 FT (0.3 M).

STATION: PUTNAM COUNTY "PC33 1995"

THE STATION IS ABOUT 5.0 MI (8.0 KM) NORTHWEST OF INTERLACHEN IN THE EAST RIGHT-OF-WAY OF MELROSE LANDINGS BOULEVARD IN SECTION 36, TOWNSHIP 9 SOUTH, RANGE 23 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROAD 315 AND STATE ROAD 20 IN INTERLACHEN, GO WEST ON STATE ROAD 20 FOR 5.5 MI (8.9 KM) TO THE INTERSECTION OF COUNTY ROAD 21 AND BADEN POWELL ROAD, TURN RIGHT ON BADEN POWELL ROAD AND GO NORTH FOR 3.0 MI (4.8 KM) TO THE INTERSECTION OF MELROSE LANDINGS BOULEVARD, TURN RIGHT ON MELROSE LANDINGS BOULEVARD AND GO EAST AND THEN NORTH FOR 2.15 MI (3.46 KM) TO THE STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.4 FT (12.2 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 118.0 FT (36.0 M) SOUTH OF THE CENTERLINE OF A DIRT DRIVEWAY WITH A CONCRETE APRON, 26.8 FT (8.2 M) WEST OF A CARSONITE WITNESS POST AND 18.7 FT (5.7 M) EAST OF THE CENTERLINE OF MELROSE LANDINGS BOULEVARD.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 15 DEGREES AT 82.66 FT (25.16 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN AN OAK TREE, WITH A MAGNETIC AZIMUTH OF 155 DEGREES AT 71.28 FT (21.73 M). FOUND 5/8-INCH REBAR, WITH A MAGNETIC AZIMUTH OF 275 DEGREES AT 50.88 FT (15.51 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 66 DEGREES AT 26.8 FT (8.2 M).

STATION: PUTNAM COUNTY "PC34 1995"

THE STATION IS ABOUT 6.0 MI (9.7 KM) SOUTHWEST OF INTERLACHEN IN THE SOUTH RIGHT-OF-WAY OF COUNTY ROAD 21 IN SECTION 11, TOWNSHIP 11 SOUTH, RANGE 23 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF COUNTY ROAD 315 AND STATE ROAD 20 IN INTERLACHEN, GO WEST ON STATE ROAD 20 FOR 5.5 MI (8.9 KM) TO THE INTERSECTION OF COUNTY ROAD 21, TURN LEFT ON COUNTY ROAD 21 AND GO SOUTH FOR 4.35 MI (7.00 KM) TO THE STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.5 FT (15.2 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 126.1 FT (38.4 M) WEST OF A WOOD POWER POLE, 48.2 FT (14.7 M) NORTH OF A CARSONITE WITNESS POST AND 27.0 FT (8.2 M) SOUTH OF THE SOUTH EDGE OF THE PAVEMENT.

SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 19 DEGREES AT 27.46 FT (8.37 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN AN OAK TREE, WITH A MAGNETIC AZIMUTH OF 178 DEGREES AT 60.28 FT (18.37 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 289 DEGREES AT 126.14 FT (38.45 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 200 DEGREES AT 48.2 FT (14.7 M).

STATION: PUTNAM COUNTY "PC35 1995"

THE STATION IS ABOUT 9.5 MI (15.3 KM) NORTHWEST OF INTERLACHEN IN THE EAST RIGHT-OF-WAY OF PUTNAM LOOP ROAD IN SECTION 1, TOWNSHIP 9 SOUTH, RANGE 23 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100, STATE ROAD 26 AND PUTNAM LOOP ROAD NORTHWEST OF INTERLACHEN, GO NORTH AND THEN EAST AND THEN NORTH ON PUTNAM LOOP ROAD FOR 0.5 MI (0.8 KM) TO THE STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 90.0 FT (27.4 M) SOUTH OF THE APPROXIMATE CENTERLINE OF A DIRT DRIVEWAY, 14.0 FT (4.3 M) EAST OF THE EAST EDGE OF THE PAVEMENT AND 13.1 FT (4.0 M) WEST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 31 DEGREES AT 50.61 FT (15.43 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN AN 8-INCH DIAMETER OAK TREE, WITH A MAGNETIC AZIMUTH OF 181 DEGREES AT 22.19 FT (6.76 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC AZIMUTH OF 298 DEGREES AT 14.22 FT (4.33 M). SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF 110 DEGREES AT 13.15 FT (4.01 M).

STATION: PUTNAM COUNTY "PC36 1995"

THE STATION IS ABOUT 9.5 MI (15.3 KM) NORTHWEST OF INTERLACHEN IN THE EAST RIGHT-OF-WAY OF PUTNAM LOOP ROAD IN SECTION 1, TOWNSHIP 9 SOUTH, RANGE 23 EAST.

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD 100, STATE ROAD 26 AND PUTNAM LOOP ROAD NORTHWEST OF INTERLACHEN, GO NORTH AND THEN EAST AND THEN NORTH ON PUTNAM LOOP ROAD FOR 0.8 MI (1.3 KM) TO THE INTERSECTION OF AN UNNAMED DIRT ROAD AND THE STATION ON THE RIGHT, IN THE SOUTHWEST QUADRANT OF THE INTERSECTION, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT RECESSED 0.3 FT (9.1 CM) BELOW THE LEVEL OF THE GROUND.

LOCATED 36.0 FT (11.0 M) EAST OF THE CENTERLINE OF PUTNAM LOOP ROAD, 18.0 FT (5.5 M) SOUTH OF THE APPROXIMATE CENTERLINE OF THE DIRT ROAD AND 1.6 FT (0.5 M) WEST OF A CARSONITE WITNESS POST.

SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 22 DEGREES AT 58.92 FT (17.96 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 262 DEGREES AT 60.19 FT (18.35 M). SET NAIL AND DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC AZIMUTH OF 320 DEGREES AT 117.63 FT (35.85 M). SET A CARSONITE WITNESS POST, EAST AT 1.6 FT (0.5 M).

NOTE: SEE SHEET 1 OF 7 FOR NOTES, LEGEND, AND CERTIFICATION
SEE SHEET 1 OF 3 FOR CONTROL STATION LOCATION OVERLAY

PROJECT SURVEYOR JAMES F. OWENS, P.L.S.		PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. STATION TO-REACH DESCRIPTIONS	
FIELD OPERATIONS PERSONNEL M. ECKHART R. STODDARD B. SIMMONS B. YOUNGER		Keith and Schnars, P.A. ENGINEERS - PLANNERS - SURVEYORS	
DATE OF G.P.S. SURVEY 3/06/95 - 3/30/95 (JD 065 - JD 089)		2625 Drane Field Rd., Suite 7 Lakeland, FL 33811 Tel: 941-646-4771	

DEPT. OF ENVIRONMENTAL PROTECTION BUREAU OF SURVEY AND MAPPING 3900 COMMONWEALTH BLVD., TALLAHASSEE, FL 32399 (904) 486-2427	DATE	REVISION	DATE	REVISION	DWG. DATE: 6/05/95	PHOTO DATE:	DRAWN BY: D.M.M.	CHECKED BY: J.F.O.
	DATE	REVISION	DATE	REVISION	COUNTY: PUTNAM	SEC: TWP. - RGE:	OFF. NO.: S103 # 1	DWG. NAME: 2646D02-7
PROJECT TITLE: PUTNAM COUNTY GEODETIC CONTROL DENSIFICATION PROJECT PRIMARY STATION G.P.S. CONTROL NETWORK FOR FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION G.P.S. STATION TO-REACH DESCRIPTIONS	SHEET NO.	7	OF	7				