

CLAY COUNTY HORIZONTAL SURVEY CONTROL STATIONS



Prepared by:
Robert M. Angas Associates, Inc.
14775 Old St. Augustine Road
Jacksonville, Florida 32258
Phone: (904) 642-8550
Fax: (904) 642-4165

2008

* This report is neither full nor complete without the attached map.

TABLE OF CONTENTS

• SURVEY REPORT	PAGES 1-5
	APPENDIX
• CONTROL STATION INDEX	A
• NORTHWEST QUADRANT STATIONS	B
• SOUTHWEST QUADRANT STATIONS	C
• SOUTHEAST QUADRANT STATIONS	D
• NORTHEAST QUADRANT STATIONS	E
• NGS DATA SHEETS	F
• PROJECT MAP	G

SURVEY REPORT

Clay County GPS Horizontal Control Network Survey Report

October 2008 March 2009

Horizontal Control Survey overview:

The Clay County GPS Control Network Survey was designed to provide a network of 65 pairs of high accuracy intervisible control points within four distinct quadrants in Clay County, Florida. The specific purpose of the survey was to aid in the Clay County GIS database parcel realignment project, Clay County Work Order Assignment No. ETM-4-2008 (Contract/Agreement No. 06/07-200) and to provide accurate long term monumentation in the field for use in establishing state plane coordinates for plans, plats, property lines and other documents and features for inclusion in the Clay County GIS database. It should be noted that the survey from its inception was intended to be a horizontal “only” control network and therefore vertical coordinates have not been provided. Furthermore, at the discretion of the Clay County GIS Division, no attempt was made to perform this horizontal control survey to the current specifications as established by the National Geodetic Survey or to pursue formal publication of the results of this horizontal control survey.

Survey Procedures:

Sixty-seven intervisible pairs (134 individual points) were placed throughout the county exclusive of the publicly owned properties of Camp Blanding, Moccasin Slough, Jennings State Forest, Goldhead Branch State Park and St. Johns River Water Management District Lands. The control points consist of poured concrete monuments with brass disks which were placed in the ground beginning in October of 2008. GPS observations began November 18, 2008 and were concluded March 12, 2009. Each individual point was observed utilizing GPS Static Measure on a minimum of two separate occasions. Leica 300 series and 500 series GPS units were employed in the field for collection of the data. No fewer than six separate baselines, (simultaneous observations with known published control) were factored into the establishment of averaged coordinates for each point in the network prior to adjustment of the network. Leica Ski Pro Version 3.0 software was utilized for data post processing and network adjustment.

The adjustment was minimally constrained adjustment holding only one NGS Control Station as fixed. The chart furnished on the following page provides information regarding the point held fixed and coordinate deviations with the other NGS Control Stations to which the Clay County Network is referenced.

The following NGS Network Control Stations were utilized for building the Clay County Network. Coordinates are referenced to NAD 83 (NSRS 2007) datum and the State Plane Coordinate System, Florida East Zone 901 and expressed in U.S. Survey feet.

NGS Control Station	Published Coord. In U.S. Survey Feet	Clay County Network Adjusted Coord. In U.S. Survey Feet	Clay County Network Deviation From NGS
I10 72A 10 NAD 83 (2007)	N. 2,173,254.16	N. N/A (held)	-
	E. 388,416.85	E. N/A (held)	-
Durbin 2 NAD 83 (2007)	N. 2,092,535.74	N. 2,092,535.83	+0.09'
	E. 509,677.03	E. 509,677.03	0.00
Bradford 21 NAD 83 (2007)	N. 2,097,074.16	N. 2,097,074.21	+0.05'
	E. 322,467.52	E. 322,467.56	+0.04'
King NAD 83 (2007)	N. 2,054,777.62	N. 2,054,777.66	+0.04'
	E. 341,844.42	E. 341,844.46	+0.04'
FLGPS31 NAD 83 (2007)	N. 2,054,647.28	N. 2,054,647.45	+0.17'
	E. 418,200.44	E. 418,200.48	+0.04'
ELLZEY NAD 83 (1990)	N. 2,030,457.69	N. 2,030,457.82	+0.13'
	E. 524,684.19	E. 524,684.42	+0.23'
Keyport NAD 83 (2007)	N. 2,003,385.88	N. 2,003,385.95	+0.07'
	E. 324,537.65	E. 324,537.66	+0.01'
G099 (SJC) NAD 83 (1990)	N. 1,923,317.33	N. 1,923,317.55	+0.22'
	E. 505,580.44	E. 505,580.45	+0.01'
PC15 NAD 83 (2007)	N. 1,938,657.76	N. 1,938,657.86	+0.10'
	E. 445,318.12	E. 445,318.18	+0.06'
PC21 NAD 83 (2007)	N. 1,969,608.22	N. 1,969,608.36	+0.14'
	E. 420,191.01	E. 420,191.06	+0.05'
PC24 NAD 83 (2007)	N. 1,903,416.14	N. 1,903,416.19	+0.05'
	E. 425,796.52	E. 425,796.58	+0.06'

The Network deviations above refer to the differences in U.S. Survey Feet between the Clay County GPS Network adjusted coordinates and the published coordinates at each of the NGS Control Stations utilized in the building of the Clay County Network.

NAD 83 (2007) or NAD 83 (1980) indicate the horizontal datum and year of adjustment in which the published coordinates are expressed.

The designation (SJC) associated with Control Station G099 indicates that the control point was established by St. Johns County per their Geodetic Control Project dated September 1994 through 1999.

NGS Control Station Bradford 21 lies within State Plane Coordinate Florida North Zone. The NGS Data Sheet coordinate conversion to State Plane Coordinate Florida East Zone was performed utilizing the ACOE Corpcon software.

Statement of Responsibility

The Clay County GPS Control Network was prepared under my supervision between October 2008 and April 2009. This report is neither full nor complete without the attached map.

Joseph Leslie Reynolds, III
Professional Surveyor and Mapper
Florida Licensed Surveyor Number 5517

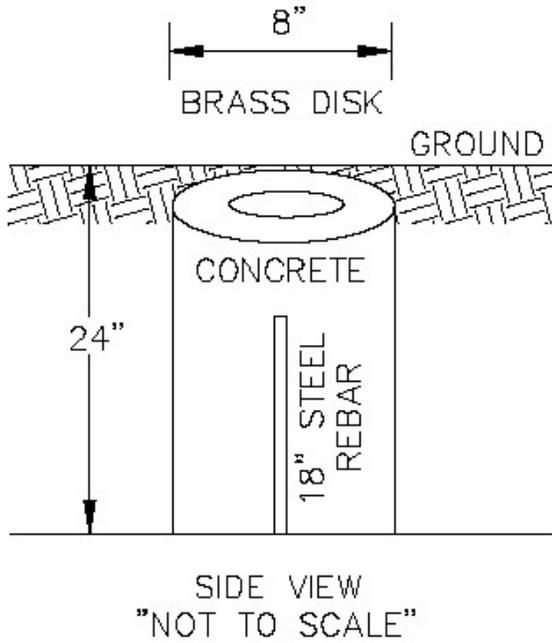
This report is not valid
without the signature and
raised seal of the professional
surveyor and mapper.

LEGEND

NSRS	NATIONAL SPATIAL REFERENCE SYSTEM
C/L	CENTERLINE
C.R.	COUNTY ROAD
DESC. BY	DESCRIBED BY
F.B.	FIELD BOOK
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
LB	LICENSED BUSINESS
NAD	NORTH AMERICAN DATUM
NO.	NUMBER
PG.	PAGE
RGE	RANGE
SEC	SECTION
TWP	TOWNSHIP
USGS	U.S. GEOLOGICAL SURVEY
SJC	ST. JOHNS COUNTY
ACOE	ARMY CORPS OF ENGINEERS
WGS	WORLD GEODETIC SYSTEM

EXHIBIT A

TYPICAL CLAY COUNTY POURED IN PLACE HORIZONTAL SURVEY CONTROL MONUMENT



CONTROL STATION INDEX

APPENDIX A

CONTROL STATION INDEX

<u>Point Name</u>	<u>Quadrant</u>	<u>Appendix</u>
CLAY 1	Northwest	B
CLAY 2	Northwest	B
CLAY 3	Northwest	B
CLAY 4	Northwest	B
CLAY 5	Northwest	B
CLAY 6	Northwest	B
CLAY 7	Northwest	B
CLAY 8	Northwest	B
CLAY 9	Northwest	B
CLAY 10	Northwest	B
CLAY 11	Northwest	B
CLAY 12	Northwest	B
CLAY 13	Southwest	C
CLAY 14	Southwest	C
CLAY 15	Southwest	C
CLAY 16	Southwest	C
CLAY 17	Southwest	C
CLAY 18	Southwest	C
CLAY 19	Southwest	C
CLAY 20	Southwest	C
CLAY 21	Southwest	C
CLAY 22	Southwest	C
CLAY 23	Southeast	D
CLAY 24	Southeast	D
CLAY 25	Southwest	C
CLAY 26	Southwest	C
CLAY 27	Southwest	C
CLAY 28	Southwest	C
CLAY 29	Southwest	C
CLAY 30	Southwest	C

CONTROL STATION INDEX (continued)

<u>Point Name</u>	<u>Quadrant</u>	<u>Appendix</u>
CLAY 31	Southwest	C
CLAY 32	Southwest	C
CLAY 33	Southwest	C
CLAY 34	Southwest	C
CLAY 35	Southwest	C
CLAY 36	Southwest	C
CLAY 37	Southwest	C
CLAY 38	Southwest	C
CLAY 39	Southwest	C
CLAY 40	Southwest	C
CLAY 41	Southeast	D
CLAY 42	Southeast	D
CLAY 43	Southeast	D
CLAY 44	Southeast	D
CLAY 45	Southeast	D
CLAY 46	Southeast	D
CLAY 47	Southeast	D
CLAY 48	Southeast	D
CLAY 49	Southeast	D
CLAY 50	Southeast	D
CLAY 51	Southeast	D
CLAY 52	Southeast	D
CLAY 53	Southeast	D
CLAY 54	Southeast	D
CLAY 55	Southeast	D
CLAY 56	Southeast	D
CLAY 57	Southeast	D
CLAY 58	Southeast	D
CLAY 59	Southeast	D
CLAY 60	Southeast	D

CONTROL STATION INDEX (continued)

<u>Point Name</u>	<u>Quadrant</u>	<u>Appendix</u>
CLAY 61	Southeast	D
CLAY 62	Southeast	D
CLAY 63	Southeast	D
CLAY 64	Southeast	D
CLAY 65	Southeast	D
CLAY 66	Southeast	D
CLAY 67	Northeast	E
CLAY 68	Northeast	E
CLAY 69	Northeast	E
CLAY 70	Northeast	E
CLAY 71	Northeast	E
CLAY 72	Northeast	E
CLAY 73	Northeast	E
CLAY 74	Northeast	E
CLAY 75	Northeast	E
CLAY 76	Northeast	E
CLAY 77	Northeast	E
CLAY 78	Northeast	E
CLAY 79	Northeast	E
CLAY 80	Northeast	E
CLAY 81	Northeast	E
CLAY 82	Northeast	E
CLAY 83	Northeast	E
CLAY 84	Northeast	E
CLAY 85	Northeast	E
CLAY 86	Northeast	E
CLAY 87	Northeast	E
CLAY 88	Northeast	E
CLAY 89	Northeast	E
CLAY 90	Northeast	E

CONTROL STATION INDEX (continued)

<u>Point Name</u>	<u>Quadrant</u>	<u>Appendix</u>
CLAY 91	Southeast	D
CLAY 92	Southeast	D
CLAY 93	Southeast	D
CLAY 94	Southeast	D
CLAY 95	Northeast	E
CLAY 96	Northeast	E
CLAY 97	Northeast	E
CLAY 98	Northeast	E
CLAY 99	Southeast	D
CLAY 100	Southeast	D
CLAY 101	Northeast	E
CLAY 102	Northeast	E
CLAY 103	Southwest	C
CLAY 104	Southwest	C
CLAY 105	Northwest	B
CLAY 106	Northwest	B
CLAY 107	Northwest	B
CLAY 108	Northwest	B
CLAY 109	Northwest	B
CLAY 110	Northwest	B
CLAY 111	Northwest	B
CLAY 112	Northwest	B
CLAY 113	Northwest	B
CLAY 114	Northwest	B
CLAY 115	Northwest	B
CLAY 116	Northwest	B
CLAY 117	Northwest	B
CLAY 118	Northwest	B
CLAY 119	Northeast	E
CLAY 120	Northeast	E

CONTROL STATION INDEX (continued)

<u>Point Name</u>	<u>Quadrant</u>	<u>Appendix</u>
CLAY 121	Southeast	D
CLAY 122	Southeast	D
CLAY 123	Northeast	E
CLAY 124	Northeast	E
CLAY 125	Northeast	E
CLAY 126	Northeast	E
CLAY 127	Northeast	E
CLAY 128	Northeast	E
CLAY 129	Northeast	E
CLAY 130	Northeast	E
CLAY 131	Northeast	E
CLAY 132	Northeast	E
CLAY 133	Northeast	E
CLAY 134	Northeast	E

NORTHWEST QUADRANT STATIONS

APPENDIX B

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

NORTHWEST QUADRANT OF CLAY COUNTY, FLORIDA

Coordinate Parameters

Geographic Coordinate Datum = WGS 1984
 State Plane Datum = NAD 1983 / NSRS 2007
 Zone = Florida East (901)
 Linear Units = U.S. Survey Foot

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY1	30° 11' 04.49027" 81° 59' 30.33321"	2128419.408 342813.181	1.000053679 -0° 29' 55.25433"
CLAY2	30° 11' 01.80598" 81° 59' 36.36556"	2128152.829 342281.356	1.000054061 -0° 29' 58.24777"
CLAY3	30° 08' 20.27066" 82° 00' 09.15332"	2111858.313 339260.051	1.000056246 -0° 30' 12.29259"
CLAY4	30° 08' 12.53700" 82° 00' 05.80109"	2111074.408 339547.556	1.000056037 -0° 30' 10.49212"
CLAY5	30° 04' 13.67985" 81° 55' 47.60992"	2086751.534 362023.455	1.00004031 -0° 27' 57.48123"
CLAY6	30° 04' 07.15354" 81° 55' 35.66818"	2086083.686 363067.439	1.000039608 -0° 27' 51.40510"
CLAY7	30° 06' 51.63977" 81° 50' 58.98971"	2102512.164 387503.189	1.000023878 -0° 25' 34.86418"
CLAY8	30° 06' 51.03207" 81° 50' 44.92319"	2102441.598 388738.207	1.00002312 -0° 25' 27.79769"
CLAY9	30° 04' 32.85261" 81° 59' 14.14497"	2088840.657 343891.768	1.000052908 -0° 29' 41.27658"
CLAY10	30° 04' 28.72405" 81° 59' 11.27584"	2088421.384 344140.269	1.000052731 -0° 29' 39.77690"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

NORTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY11	30° 06' 59.16725" 82° 02' 50.58978"	2103791.858 325008.942	1.000066829 -0° 31' 32.08702"
CLAY12	30° 06' 50.12715" 82° 02' 54.44117"	2102881.652 324662.283	1.000067092 -0° 31' 33.87688"
CLAY105	30° 00' 42.29684" 81° 53' 51.98664"	2065315.264 372015.779	1.00003369 -0° 26' 56.66796"
CLAY106	30° 00' 56.47218" 81° 53' 51.96322"	2066747.312 372029.064	1.000033681 -0° 26' 56.84858"
CLAY107	30° 00' 52.58603" 81° 55' 41.84977"	2066431.732 362364.801	1.000040081 -0° 27' 51.77402"
CLAY108	30° 01' 05.72859" 81° 55' 24.08793"	2067746.841 363937.124	1.000039025 -0° 27' 43.07081"
CLAY109	30° 02' 01.59448" 82° 03' 35.05251"	2073764.584 320825.028	1.000070026 -0° 31' 49.63930"
CLAY110	30° 01' 49.31252" 82° 03' 29.21084"	2072519.014 321327.068	1.000069641 -0° 31' 46.51835"
CLAY111	30° 09' 04.79778" 82° 01' 44.89760"	2116431.694 330893.232	1.000062402 -0° 31' 01.06881"
CLAY112	30° 09' 08.15118" 82° 01' 56.29289"	2116779.526 329895.789	1.000063147 -0° 31' 06.84615"
CLAY113	30° 03' 45.96014" 81° 53' 48.72456"	2083867.676 372447.984	1.000033408 -0° 26' 57.52492"
CLAY114	30° 03' 46.11499" 81° 53' 32.25183"	2083871.997 373895.678	1.000032469 -0° 26' 49.27349"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

NORTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY115	30° 06' 28.45998" 81° 57' 42.08416"	2100451.188 352079.116	1.000047126 -0° 28' 56.80955"
CLAY116	30° 06' 21.76593" 81° 57' 33.22348"	2099768.360 352851.739	1.000046588 -0° 28' 52.26686"
CLAY117	30° 04' 46.90014" 81° 51' 50.61065"	2089944.260 382873.971	1.000026753 -0° 25' 59.14065"
CLAY118	30° 04' 39.30206" 81° 51' 48.45696"	2089175.229 383057.399	1.000026639 -0° 25' 57.96194"

STATION LISTINGS IN METRIC VALUES

NORTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY11	30° 06' 59.16725" 82° 02' 50.58978"	641237.041 99062.924	1.000066829 -0° 31' 32.08702"
CLAY12	30° 06' 50.12715" 82° 02' 54.44117"	640959.610 98957.262	1.000067092 -0° 31' 33.87688"
CLAY105	30° 00' 42.29684" 81° 53' 51.98664"	629509.352 113390.636	1.00003369 -0° 26' 56.66796"
CLAY106	30° 00' 56.47218" 81° 53' 51.96322"	629945.841 113394.685	1.000033681 -0° 26' 56.84858"
CLAY107	30° 00' 52.58603" 81° 55' 41.84977"	629849.651 110449.012	1.000040081 -0° 27' 51.77402"
CLAY108	30° 01' 05.72859" 81° 55' 24.08793"	630250.498 110928.257	1.000039025 -0° 27' 43.07081"
CLAY109	30° 02' 01.59448" 82° 03' 35.05251"	632084.709 97787.664	1.000070026 -0° 31' 49.63930"
CLAY110	30° 01' 49.31252" 82° 03' 29.21084"	631705.059 97940.686	1.000069641 -0° 31' 46.51835"
CLAY111	30° 09' 04.79778" 82° 01' 44.89760"	645089.670 100856.459	1.000062402 -0° 31' 01.06881"
CLAY112	30° 09' 08.15118" 82° 01' 56.29289"	645195.690 100552.438	1.000063147 -0° 31' 06.84615"
CLAY113	30° 03' 45.96014" 81° 53' 48.72456"	635164.138 113522.373	1.000033408 -0° 26' 57.52492"
CLAY114	30° 03' 46.11499" 81° 53' 32.25183"	635165.455 113963.631	1.000032469 -0° 26' 49.27349"

STATION LISTINGS IN METRIC VALUES

NORTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY115	30° 06' 28.45998" 81° 57' 42.08416"	640218.803 107313.929	1.000047126 -0° 28' 56.80955"
CLAY116	30° 06' 21.76593" 81° 57' 33.22348"	640010.676 107549.425	1.000046588 -0° 28' 52.26686"
CLAY117	30° 04' 46.90014" 81° 51' 50.61065"	637016.285 116700.220	1.000026753 -0° 25' 59.14065"
CLAY118	30° 04' 39.30206" 81° 51' 48.45696"	636781.883 116756.129	1.000026639 -0° 25' 57.96194"

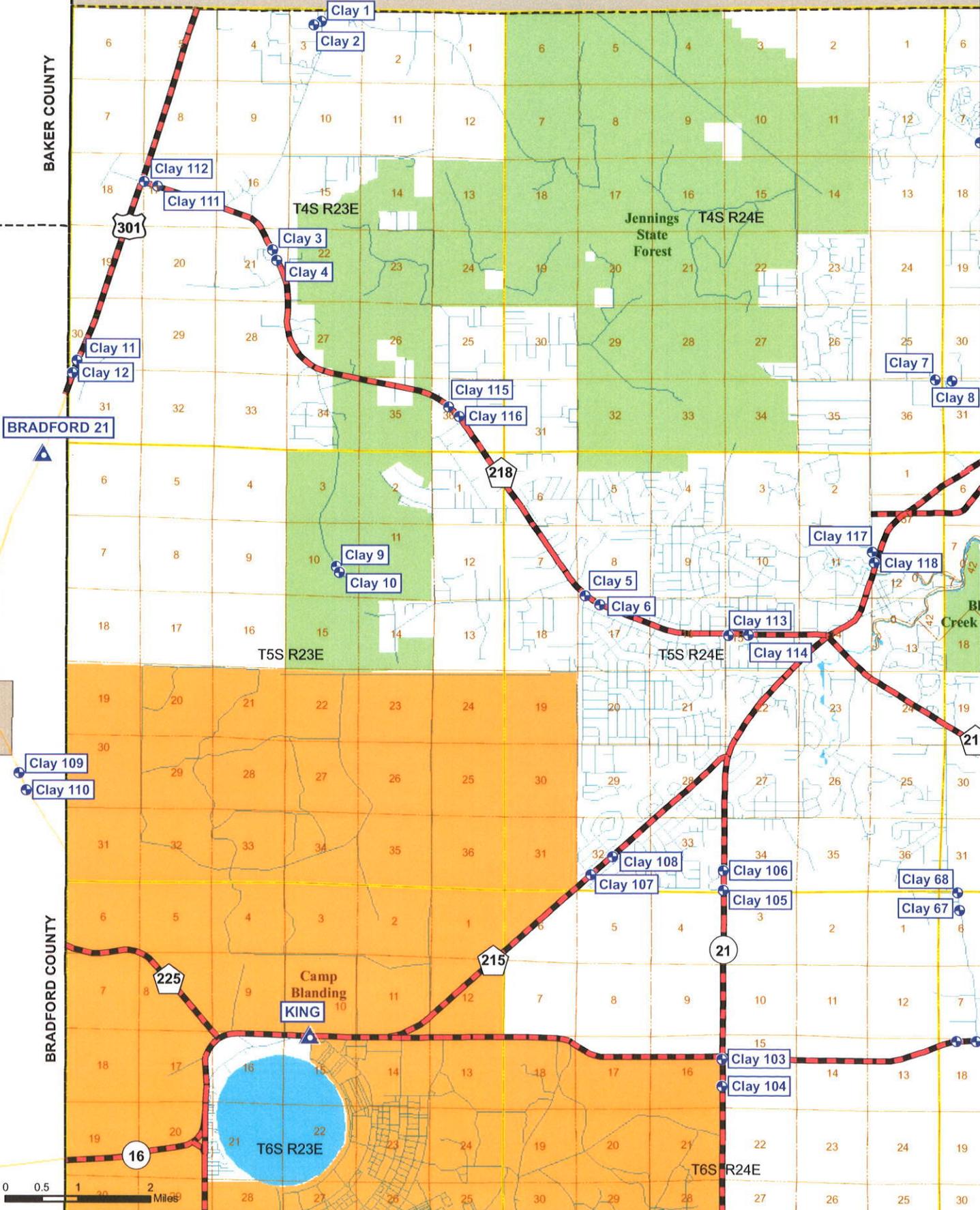
Clay County Control Points NW



DUVAL COUNTY

BAKER COUNTY

BRADFORD COUNTY



0 0.5 1 2 Miles

CLAY 1

THE STATION IS LOCATED APPROXIMATELY 2 MILES SOUTHEAST OF MAXVILLE, FLORIDA AND APPROXIMATELY 9 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

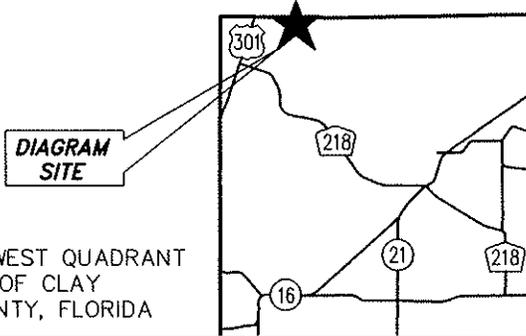
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 228 AND U.S. HIGHWAY NO. 301 IN DUVAL COUNTY, FLORIDA. PROCEED NORTHEASTERLY 1.6 MILES ON STATE ROAD NO. 228 TO THE INTERSECTION OF COUNTY ROAD NO. 217. THENCE PROCEED SOUTHERLY 1.3 MILES ON COUNTY ROAD NO. 217 TO LONG BRANCH ROAD IN CLAY COUNTY, FLORIDA. THENCE PROCEED SOUTHWESTERLY ON LONG BRANCH ROAD 70± FEET TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 69± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 217 AND 4.0± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

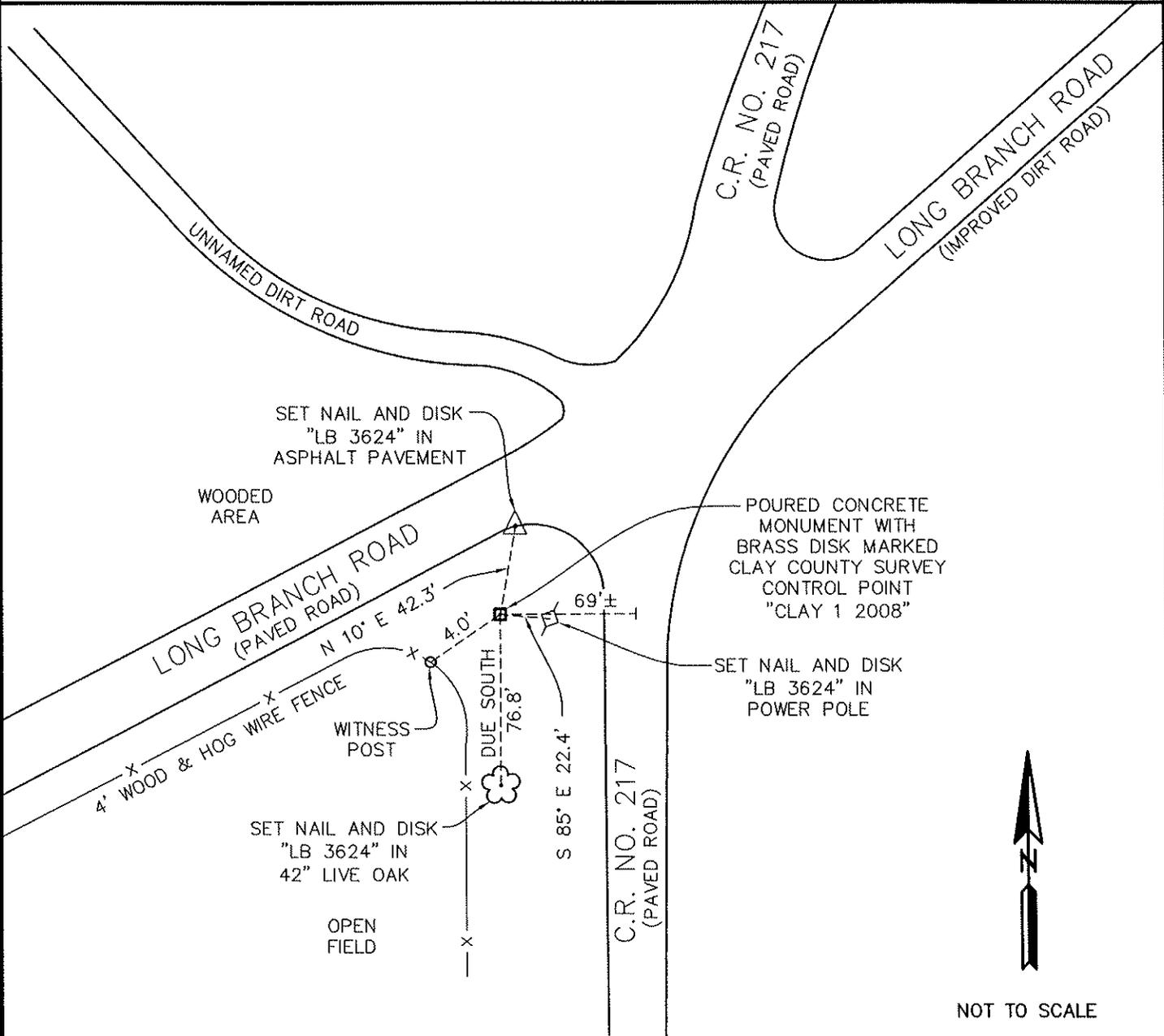
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 10° EAST AT 42.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 85 ° EAST AT 22.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 42" LIVE OAK, DUE SOUTH AT 76.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 1
DESC. BY: K. BAILEY	STAMPING: CLAY 1 2008	YEAR SET: 2008
SEC: 3 TWP: 4S RGE: 23E	USGS QUAD NAME: FIFSTONE	F.B.-PG: X1464-1



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2128419.41 FEET
EASTING: 342813.18 FEET
LATITUDE: 30° 11' 04.490027" N
LONGITUDE: 81° 59' 30.33321" W
CONVERGENCE: -00° 29' 55.25433"
SCALE FACTOR: 1.000053679
NEAREST INTERVISIBLE STATION: CLAY 2



CLAY 2

THE STATION IS LOCATED APPROXIMATELY 2 MILES SOUTHEAST OF MAXVILLE, FLORIDA AND APPROXIMATELY 9 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

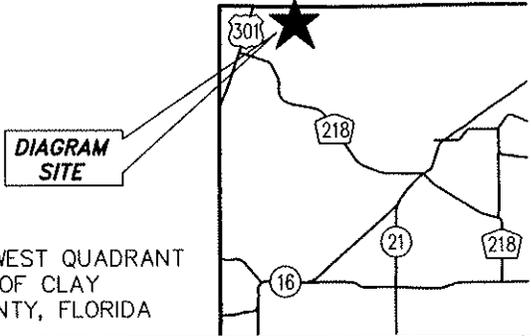
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 228 AND U.S. HIGHWAY NO. 301 IN DUVAL COUNTY, FLORIDA. THENCE PROCEED NORTHEASTERLY 1.6 MILES ON STATE ROAD NO. 228 TO THE INTERSECTION OF COUNTY ROAD NO. 217. THENCE PROCEED SOUTH 1.3 MILES ON COUNTY ROAD NO. 217 TO LONG BRANCH ROAD IN CLAY COUNTY, FLORIDA. THENCE PROCEED SOUTHWESTERLY ON LONG BRANCH ROAD 690± FEET TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 32± FEET SOUTHERLY OF THE CENTERLINE OF LONG BRANCH ROAD AND 2.3± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

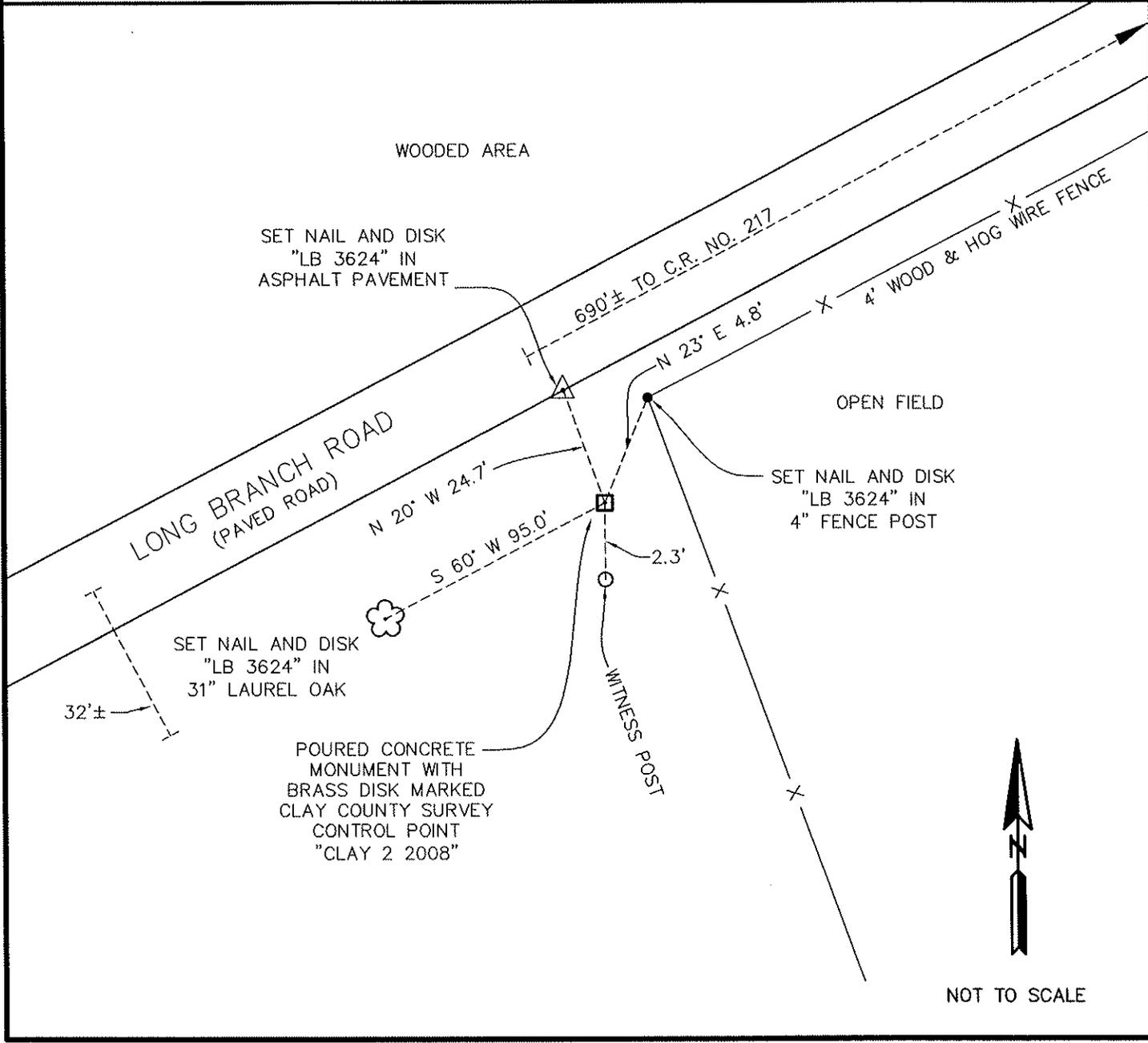
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 20° WEST AT 24.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 4" FENCE POST, NORTH 23° EAST AT 4.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 31" LAUREL OAK, SOUTH 60° WEST AT 95.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 2
DESC. BY: K. BAILEY	STAMPING: CLAY 2 2008	YEAR SET: 2008
SEC: 3 TWP: 4S RGE: 23E	USGS QUAD NAME: FIFSTONE	F.B.-PG: X1464-2



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2128152.83 FEET
EASTING: 342281.36 FEET
LATITUDE: 30° 11' 01.80598" N
LONGITUDE: 81° 59' 36.36556" W
CONVERGENCE: -00° 29' 58.24777"
SCALE FACTOR: 1.000054061
NEAREST INTERVISIBLE STATION: CLAY 1



CLAY 3

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHEAST OF MAXVILLE, FLORIDA AND APPROXIMATELY 7 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

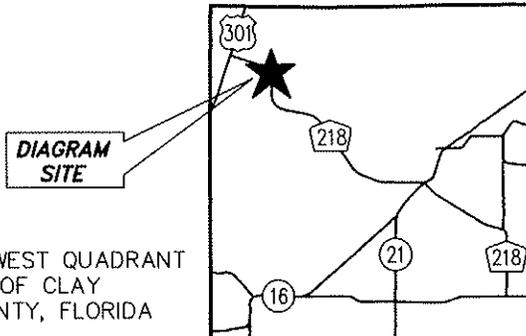
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 2.2 MILES ON COUNTY ROAD NO. 218 TO JOHN WILKINSON ROAD. THENCE CONTINUE SOUTHEASTERLY 290± FEET ON COUNTY ROAD NO. 218 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 44± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 4.4± FEET WESTERLY OF A WITNESS POST.

REFERENCES

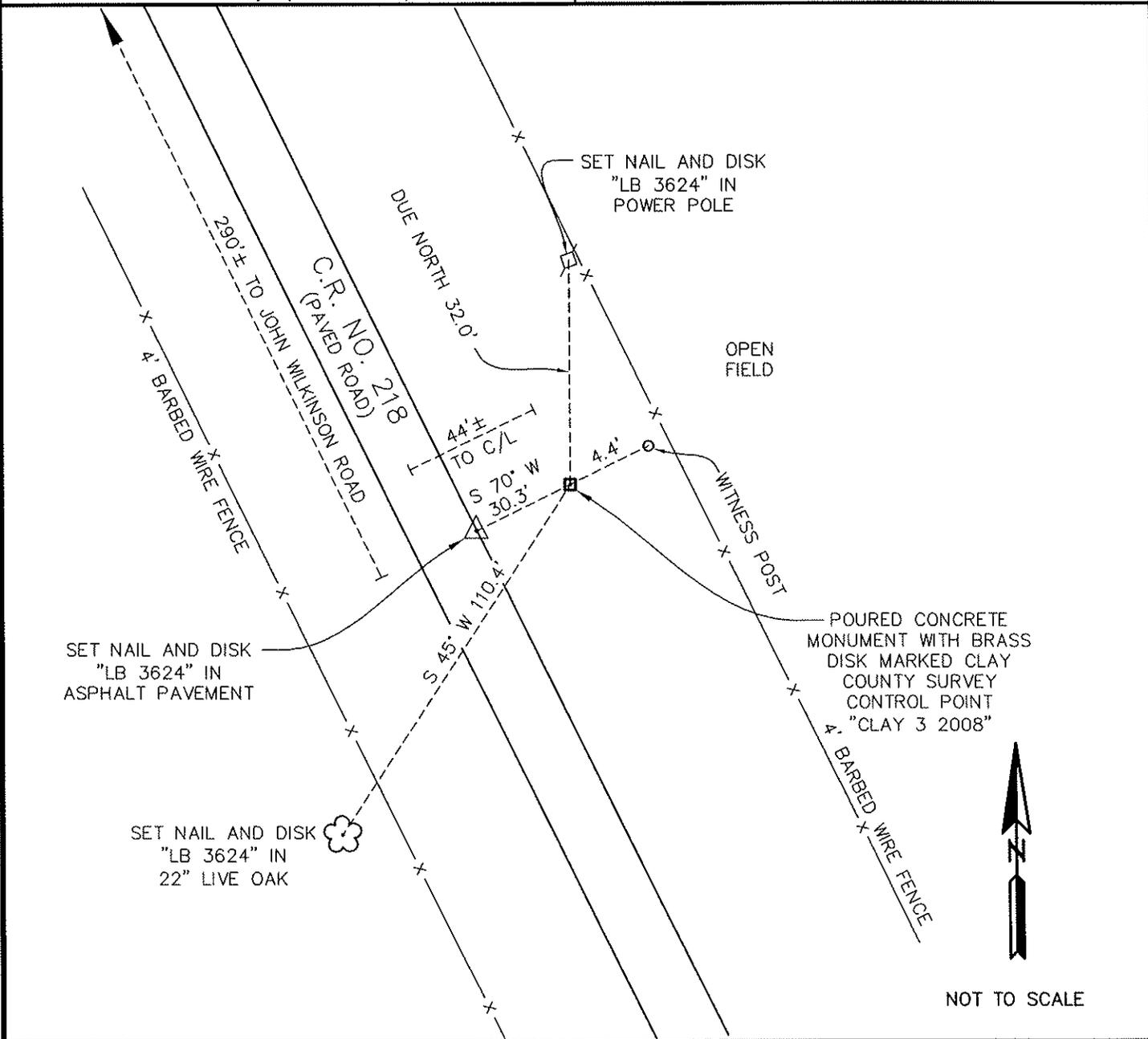
- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE, DUE NORTH AT 32.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 70° WEST AT 30.3 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 22" LIVE OAK, SOUTH 45° WEST AT 110.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 3
DESC. BY: K. BAILEY	STAMPING: CLAY 3 2008	YEAR SET: 2008
SEC: 21 TWP: 4S RGE: 23E	USGS QUAD NAME: MAXVILLE	F.B.-PG: X1464-3



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2111858.31 FEET
EASTING: 339260.05 FEET
LATITUDE: 30° 08' 20.27066" N
LONGITUDE: 82° 00' 09.15332" W
CONVERGENCE: -00 30' 12.29259"
SCALE FACTOR: 1.000056246
NEAREST INTERVISIBLE STATION: CLAY 4



NOT TO SCALE

CLAY 4

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHEAST OF MAXVILLE, FLORIDA AND APPROXIMATELY 7 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 1.9 MILES ON COUNTY ROAD NO. 218 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 45± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 8.7± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 33° EAST AT 115.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 60° EAST AT 31.9 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 9" CAMPHOR, NORTH 39° EAST AT 110.3 FEET.

CLAY 5

THE STATION IS LOCATED APPROXIMATELY 2 MILES NORTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 8 MILES SOUTH OF JACKSONVILLE, FLORIDA.

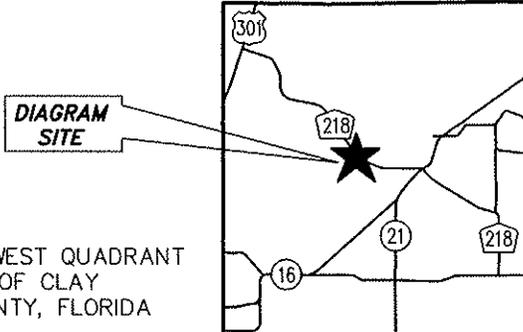
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 7.4 MILES ON COUNTY ROAD NO. 218 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 59± FEET SOUTHWESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 97± FEET NORTHWESTERLY OF THE CENTERLINE OF HIBISCUS AVENUE AND 10.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

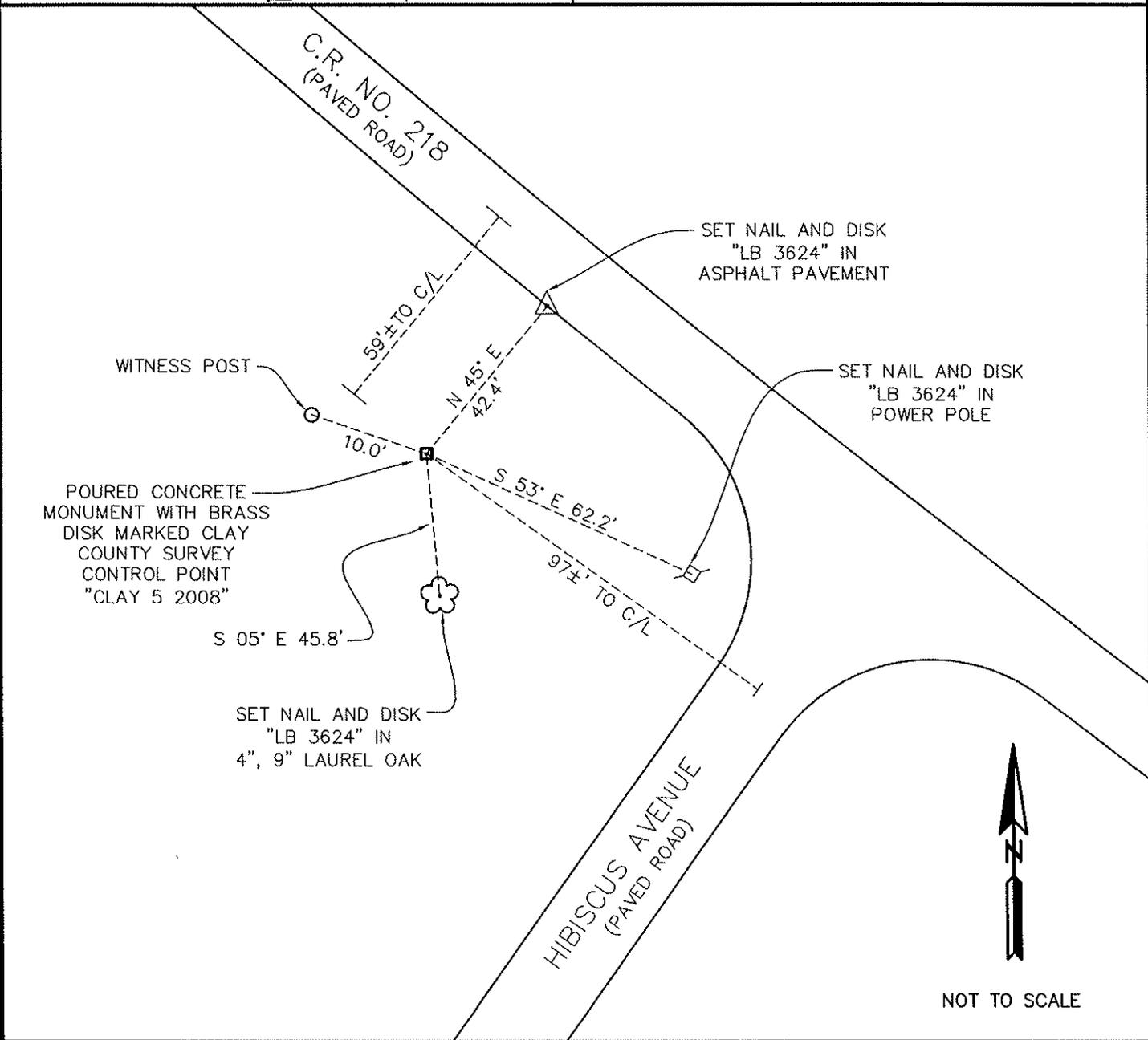
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 45° EAST AT 42.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 53° EAST AT 62.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 4" AND 9" OAK, SOUTH 05° EAST AT 45.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 5
DESC. BY: K. BAILEY	STAMPING: CLAY 5 2008	YEAR SET: 2008
SEC: 17 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG SW	F.B.-PG: X1464-5



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2086751.53 FEET
EASTING: 362023.46 FEET
LATITUDE: 30° 04' 13.67985" N
LONGITUDE: 81° 55' 47.60992" W
CONVERGENCE: -00° 27' 57.48123"
SCALE FACTOR: 1.00004031
NEAREST INTERVISIBLE STATION: CLAY 6



CLAY 6

THE STATION IS LOCATED APPROXIMATELY 2 MILES NORTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 8 MILES SOUTH OF JACKSONVILLE, FLORIDA.

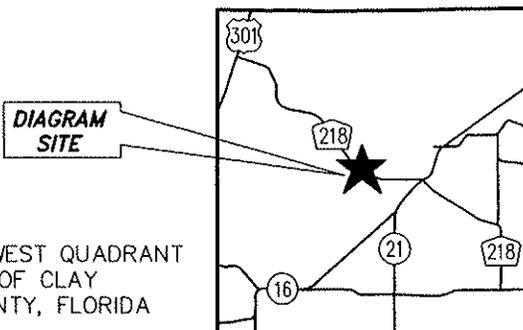
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 7.6 MILES ON COUNTY ROAD NO. 218 TO HIBISCUS AVENUE. THENCE CONTINUING ON COUNTY ROAD NO. 218, PROCEED SOUTHEASTERLY 1140± FEET TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 52± FEET SOUTHERLY OF CENTERLINE OF COUNTY ROAD NO. 218 AND 2.0± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

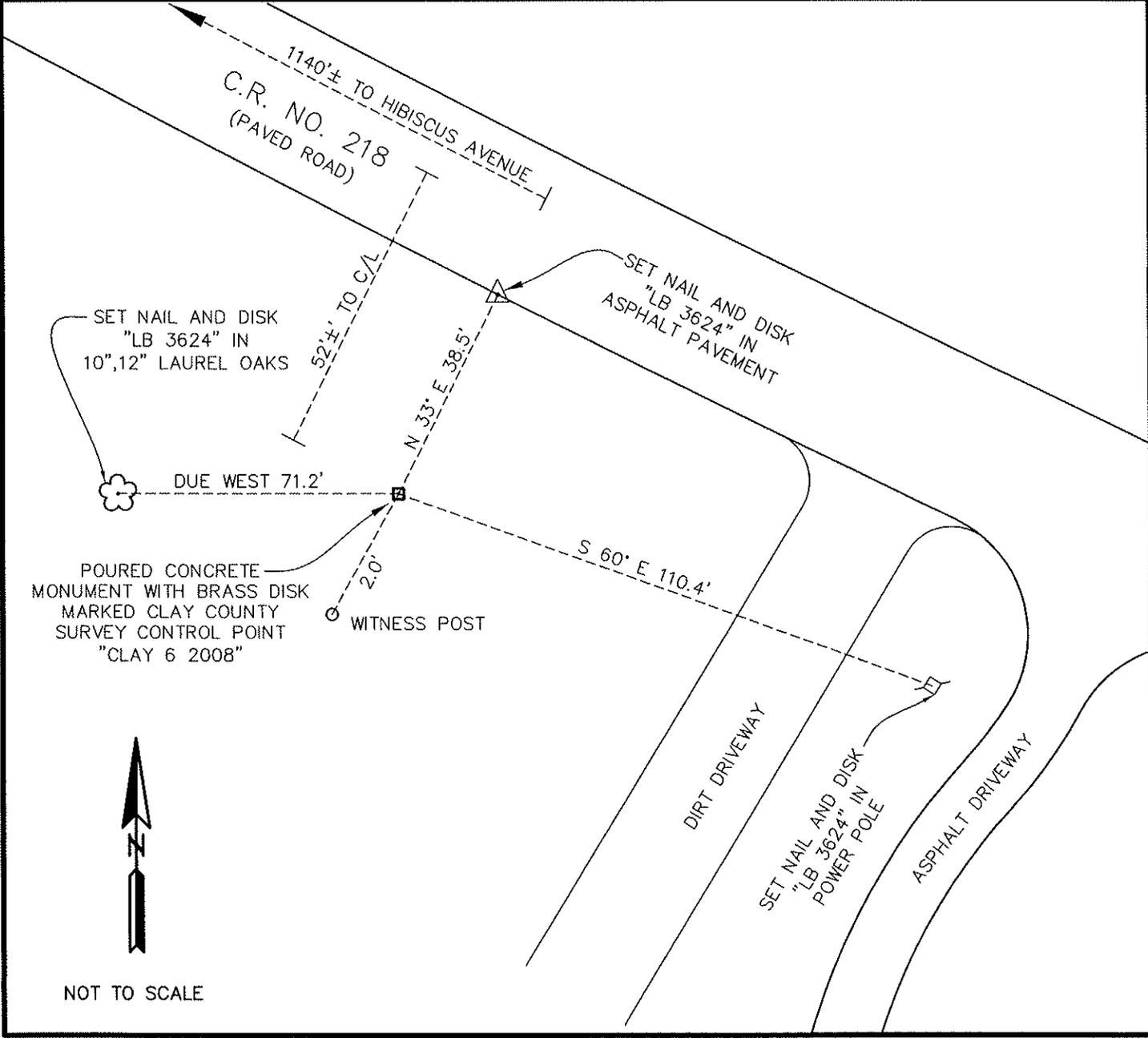
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 33° EAST AT 38.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 10" AND 12" LAUREL OAKS, DUE WEST AT 71.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 60° EAST AT 110.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 6
DESC. BY: K. BAILEY	STAMPING: CLAY 6 2008	YEAR SET: 2008
SEC: 17 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG SW	F.B.-PG: X1464--6



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2086083.69 FEET
EASTING: 363067.44 FEET
LATITUDE: 30° 04' 07.15354" N
LONGITUDE: 81° 55' 35.66818" W
CONVERGENCE: -00° 27' 51.40510"
SCALE FACTOR: 1.000039608
NEAREST INTERVISIBLE STATION: CLAY 5



NOT TO SCALE

CLAY 7

THIS STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 3 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

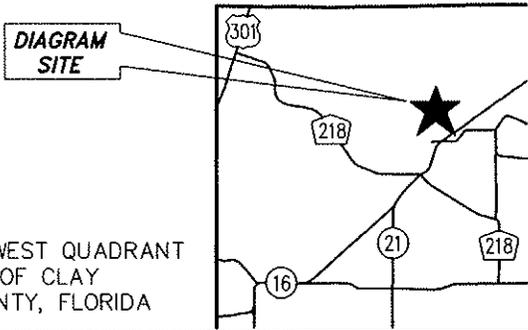
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF BRANAN FIELD/CHAFFEE ROAD (STATE ROAD NO. 23) AND BLANDING BOULEVARD (STATE ROAD NO. 21) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY ON BRANAN FIELD/CHAFFEE ROAD 0.75 MILES TO AN INTERSECTION WITH OLD JENNINGS ROAD. PROCEED WESTERLY 1.1 MILES ON OLD JENNINGS ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 35± FEET NORTHERLY OF THE CENTERLINE OF OLD JENNINGS ROAD AND 5.3± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

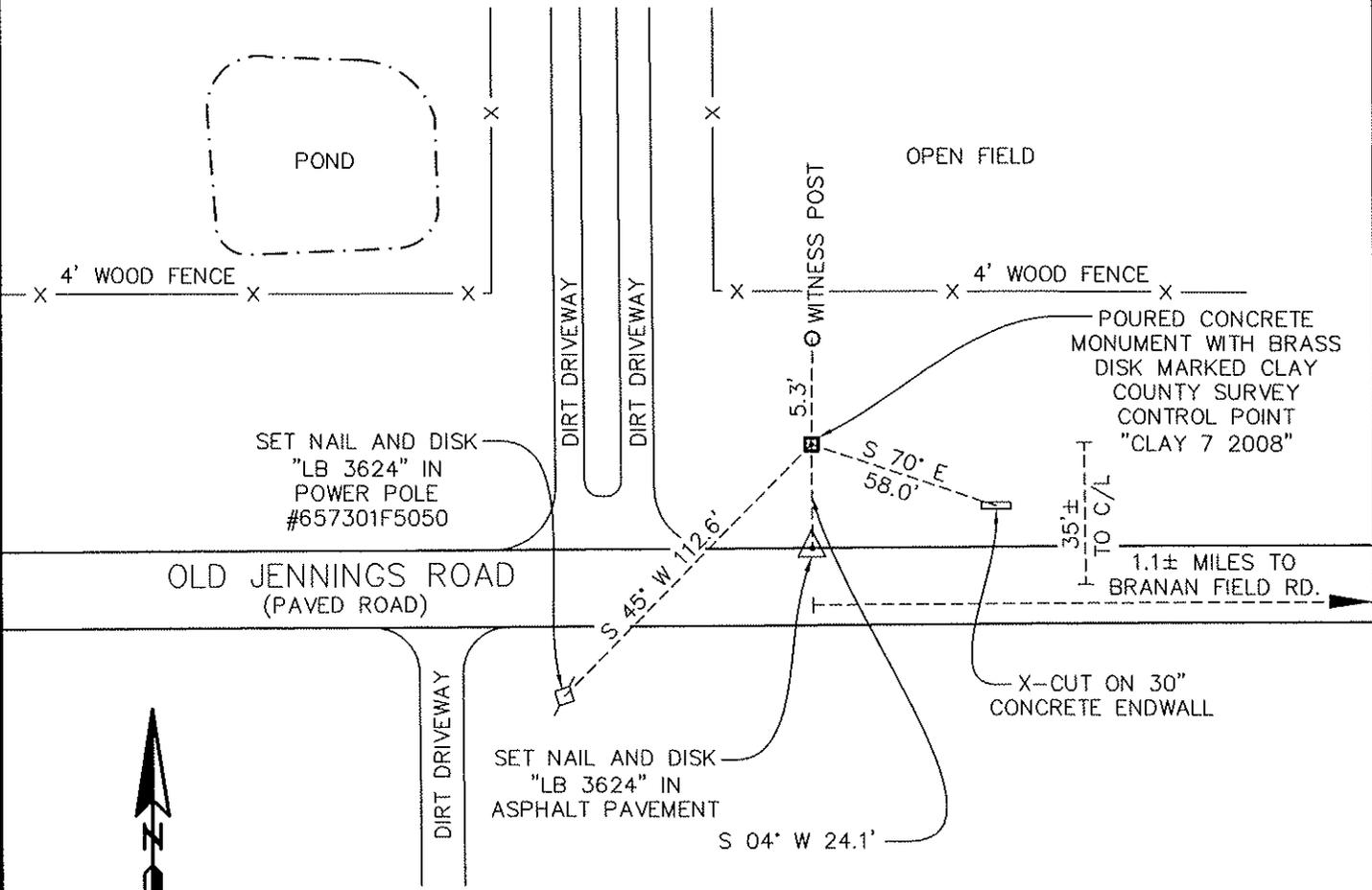
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 04° WEST AT 24.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE NO. 653701F5050, SOUTH 45° WEST AT 112.6 FEET.
- 3) SET X-CUT IN CONCRETE ENDWALL, SOUTH 70° EAST AT 58.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 7
DESC. BY: K. BAILEY	STAMPING: CLAY 7 2008	YEAR SET: 2008
SEC: 25 TWP: 4S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1464-7



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2102512.16 FEET
EASTING: 387503.19 FEET
LATITUDE: 30° 06' 51.63977" N
LONGITUDE: 81° 50' 58.98971" W
CONVERGENCE: -00° 25' 34.86418"
SCALE FACTOR: 1.000023878
NEAREST INTERVISIBLE STATION: CLAY 8



NOT TO SCALE

CLAY 8

THIS STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 3 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

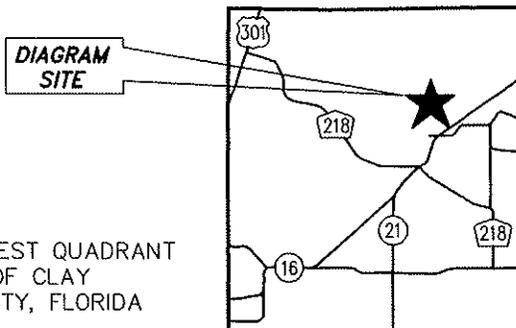
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF BRANAN FIELD / CHAFFEE ROAD (STATE ROAD NO. 23) AND BLANDING BOULEVARD (STATE ROAD NO. 21) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY ON BRANAN FIELD / CHAFFEE ROAD 0.75 MILES TO AN INTERSECTION WITH OLD JENNINGS ROAD. PROCEED WESTERLY 0.9 MILES ON OLD JENNINGS ROAD TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 51± FEET SOUTHERLY OF THE CENTERLINE OF OLD JENNINGS ROAD, 41± FEET NORTHEASTERLY OF A PAVED DITCH AND 4.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

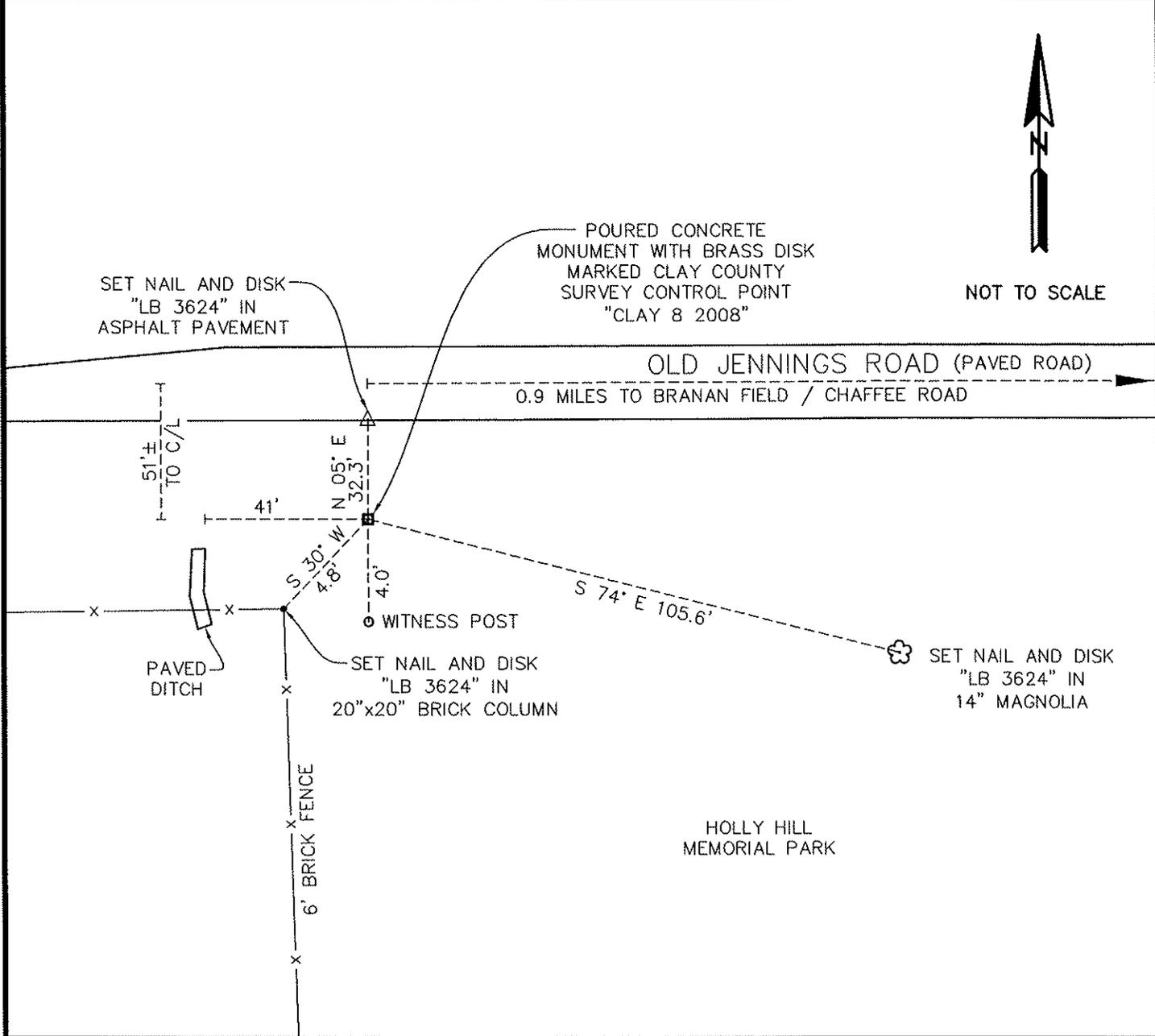
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° EAST AT 32.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 14" MAGNOLIA, SOUTH 74° EAST AT 105.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 20" X 20" BRICK COLUMN IN FENCE LINE, SOUTH 30° WEST AT 4.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 8
DESC. BY: K. BAILEY	STAMPING: CLAY 8 2008	YEAR SET: 2008
SEC: 25 TWP: 4S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1464-8



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2102441.60 FEET
EASTING: 388738.21 FEET
LATITUDE: 30° 06' 51.03207" N
LONGITUDE: 81° 50' 44.92319" W
CONVERGENCE: -00° 25' 27.79769"
SCALE FACTOR: 1.00002312
NEAREST INTERVISIBLE STATION: CLAY 7



CLAY 9

THIS STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHEAST OF MAXVILLE, FLORIDA AND APPROXIMATELY 5 MILES WEST OF MIDDLEBURG, FLORIDA.

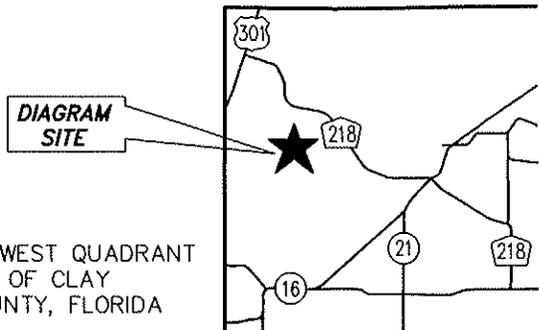
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 3.8 MILES ON COUNTY ROAD NO. 218 TO LOUIE CARTER ROAD. THENCE PROCEED SOUTHEASTERLY 2.9 MILES ON LOUIE CARTER ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 26± FEET WESTERLY OF THE CENTERLINE OF LOUIE CARTER ROAD AND 2.0± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

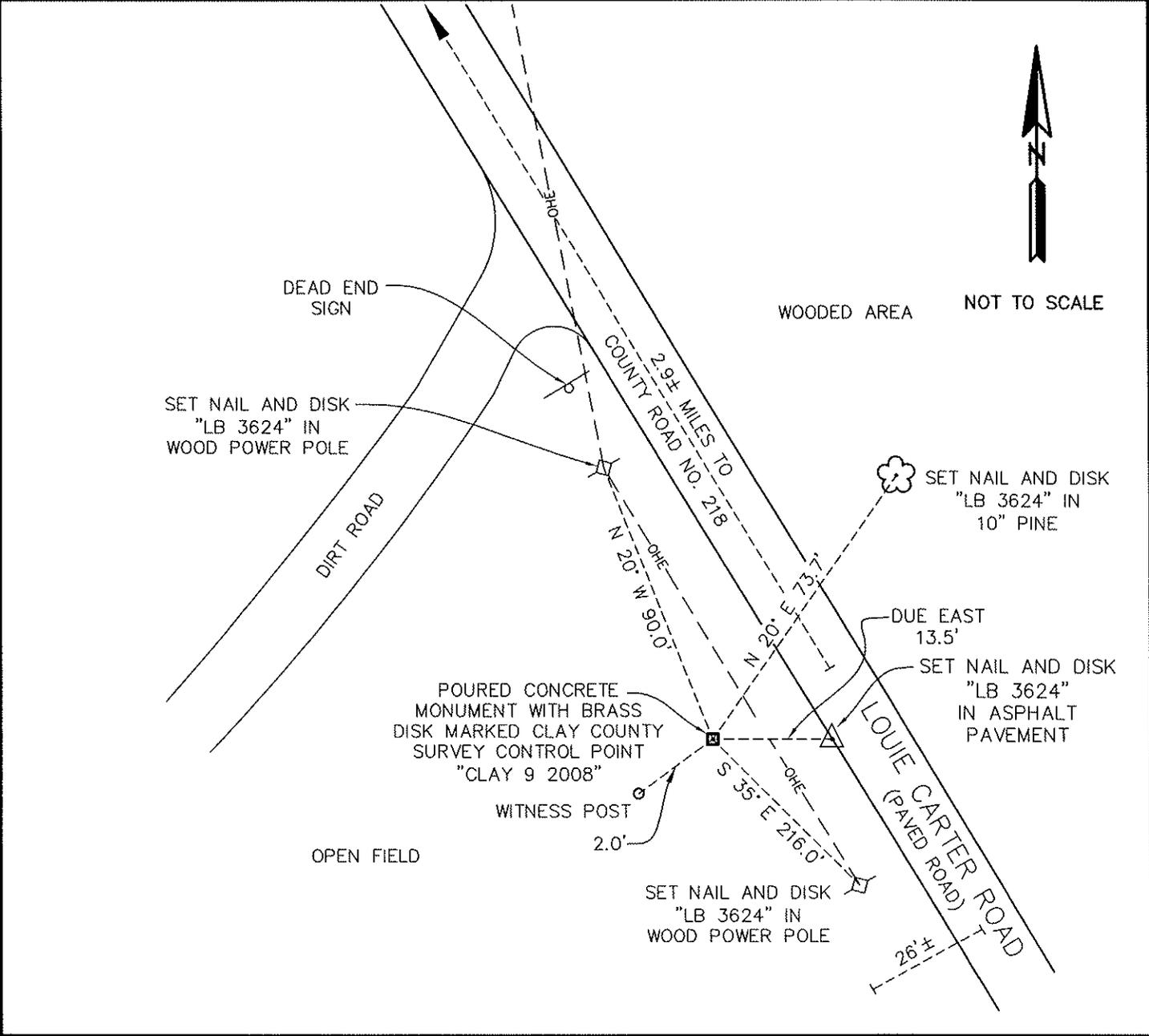
- 1) SET NAIL AND DISK (LB 3624) IN WOOD POWER POLE, NORTH 20° WEST AT 90.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN WOOD POWER POLE, SOUTH 35° EAST AT 216.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 10" PINE, NORTH 20° EAST AT 73.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 13.5 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 9
DESC. BY: K. BAILEY	STAMPING: CLAY 9 2008	YEAR SET: 2008
SEC: 10 TWP: 5S RGE: 23E	USGS QUAD NAME: MIDDLEBURG SW	F.B.-PG: X1464-9



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2088840.66 FEET
EASTING: 343891.77 FEET
LATITUDE: 30° 04' 32.85261" N
LONGITUDE: 81° 59' 14.14497" W
CONVERGENCE: -00° 29' 41.27658"
SCALE FACTOR: 1.000052908
NEAREST INTERVISIBLE STATION: CLAY 10



CLAY 10

THIS STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHEAST OF MAXVILLE, FLORIDA AND APPROXIMATELY 5 MILES WEST OF MIDDLEBURG, FLORIDA.

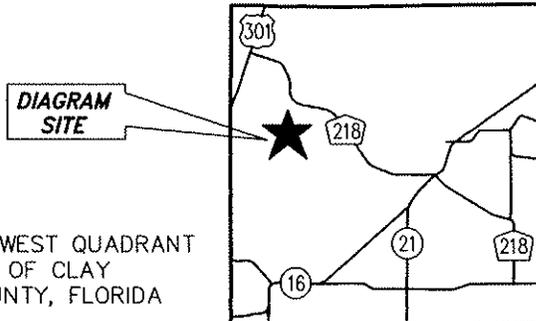
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. THENCE PROCEED SOUTHEASTERLY 3.8 MILES ON COUNTY ROAD NO. 218 TO LOUIE CARTER ROAD. THENCE PROCEED SOUTHEASTERLY 3.1 MILES ON LOUIE CARTER ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 74± FEET SOUTHWESTERLY OF THE CENTERLINE OF LOUIE CARTER ROAD AND 4.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

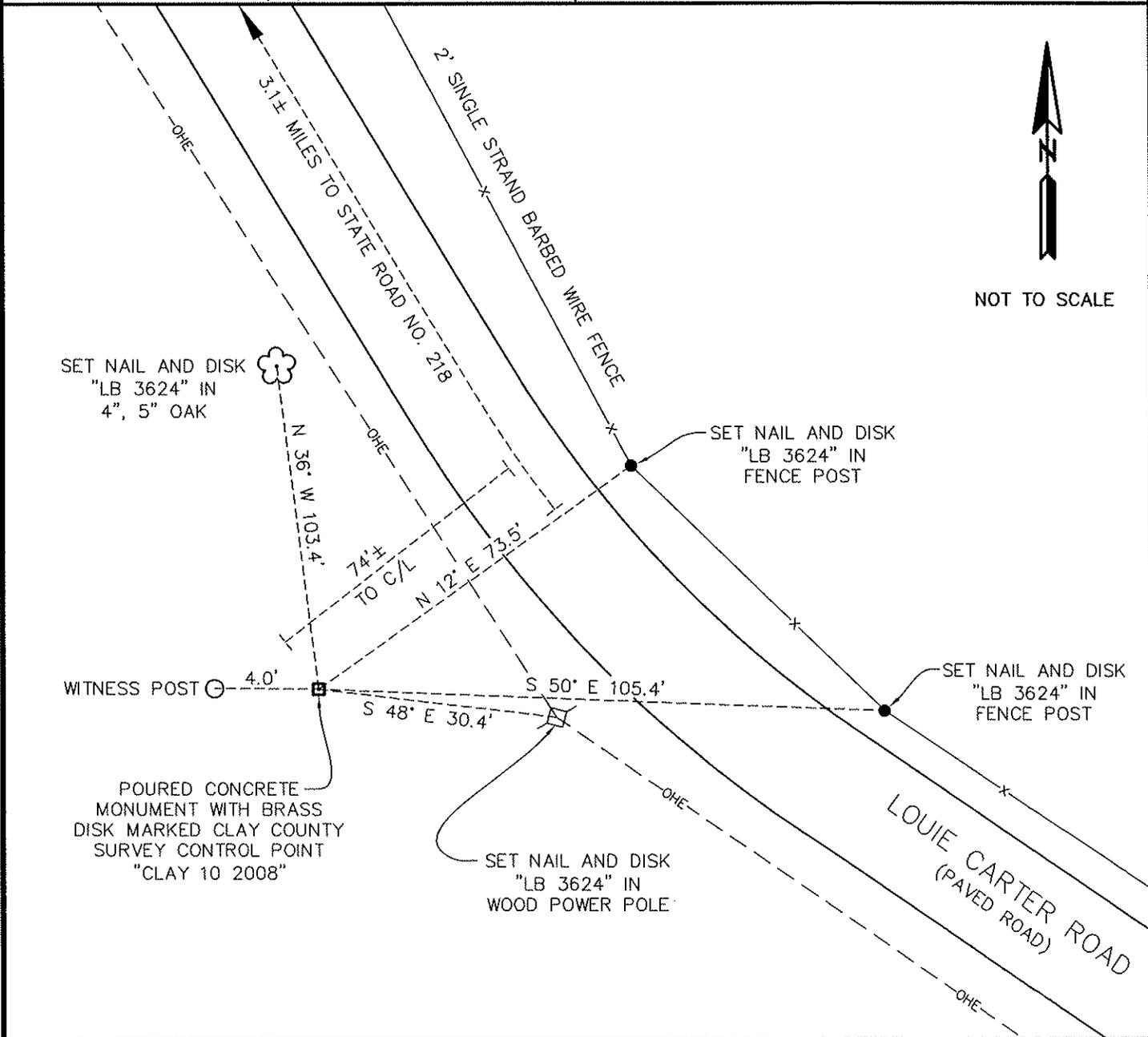
- 1) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 12° EAST AT 73.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 50° EAST AT 105.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 4", 5" OAK, NORTH 36° WEST AT 103.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN WOOD POWER POLE, SOUTH 48° EAST AT 30.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 10
DESC. BY: K. BAILEY	STAMPING: CLAY 10 2008	YEAR SET: 2008
SEC: 10 TWP: 5S RGE: 23E	USGS QUAD NAME: MIDDLEBURG SW	F.B.-PG: X1464-10



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2088421.38 FEET
EASTING: 344140.27 FEET
LATITUDE: 30° 04' 28.72405" N
LONGITUDE: 81° 59' 11.27584" W
CONVERGENCE: -00° 29' 39.77690"
SCALE FACTOR: 1.000052731
NEAREST INTERVISIBLE STATION: CLAY 9



CLAY 11

THIS STATION IS LOCATED APPROXIMATELY 10 MILES NORTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 6 MILES SOUTHWEST OF MAXVILLE, FLORIDA.

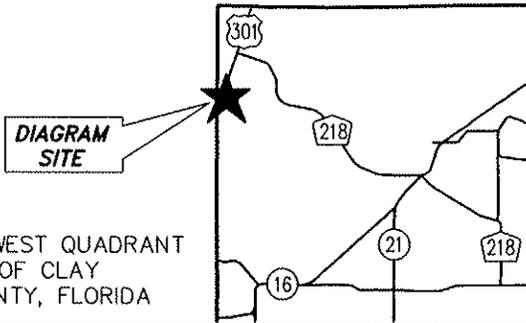
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF COUNTY ROAD NO. 218 AND U.S. HIGHWAY NO. 301 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 2.6 MILES ON U.S. HIGHWAY NO. 301 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 67± FEET NORTHWESTERLY OF THE CENTERLINE OF U.S. HIGHWAY NO. 301 AND 4.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 60° EAST AT 46.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN BILLBOARD, SOUTH 35° WEST AT 228.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #64113, NORTH 47° WEST AT 67.0 FEET.
- 4) SET X-CUT IN TOP OF CONCRETE ENDWALL, NORTH 43° EAST AT 91.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

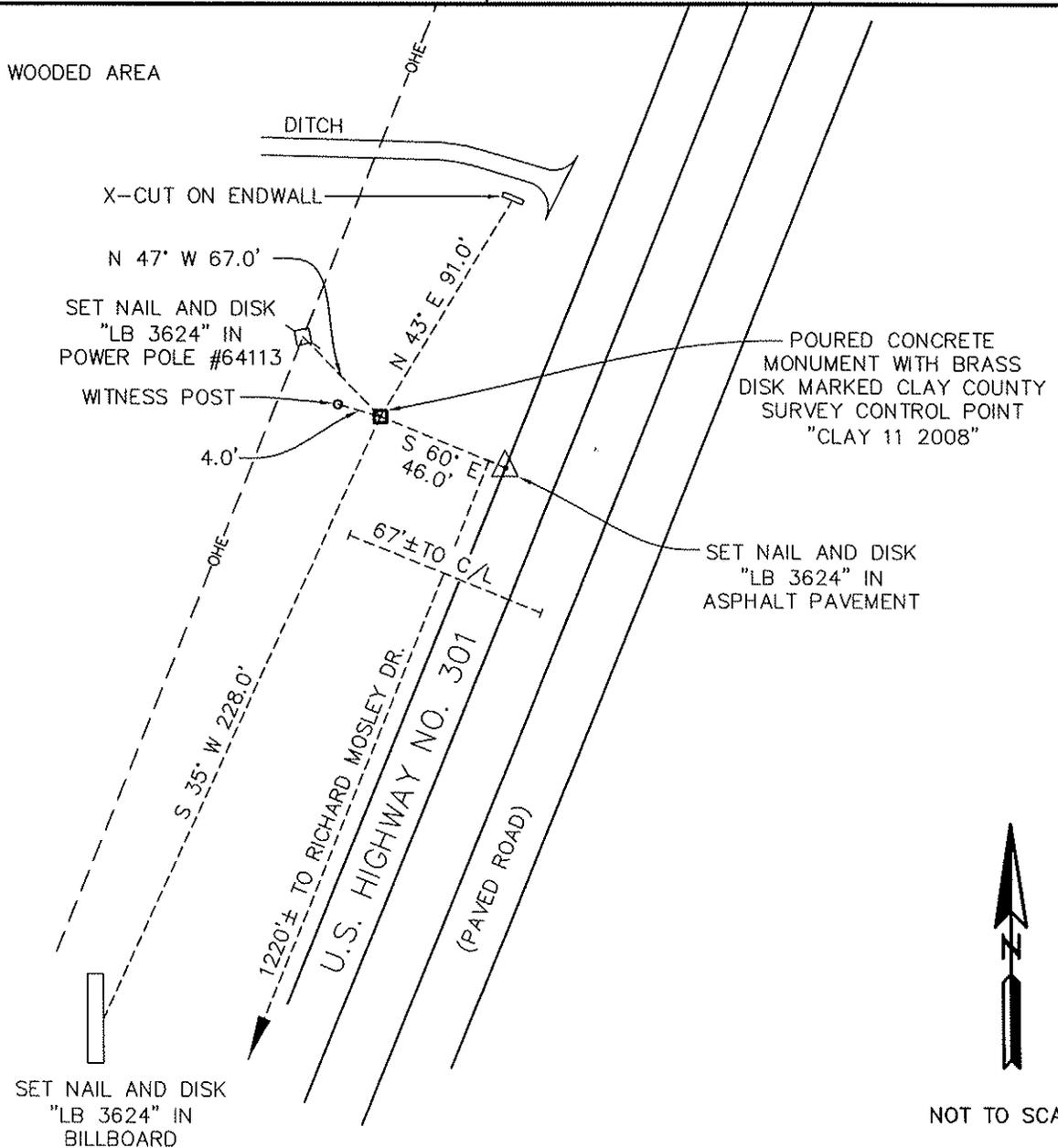
COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 11
DESC. BY: K. BAILEY	STAMPING: CLAY 11 2008	YEAR SET: 2008
SEC: 31 TWP: 4S RGE: 23E	USGS QUAD NAME: LAWTEY	F.B.-PG: X1464-11



NORTHWEST
QUADRANT
OF CLAY
COUNTY,
FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2103791.86 FEET
EASTING: 325008.94 FEET
LATITUDE: 30° 06' 59.16725" N
LONGITUDE: 82° 02' 50.58978" W
CONVERGENCE: -00° 31' 32.08702"
SCALE FACTOR: 1.000066829
NEAREST INTERVISIBLE STATION: CLAY 12

WOODED AREA



CLAY 12

THIS STATION IS LOCATED APPROXIMATELY 10 MILES NORTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 6 MILES SOUTHWEST OF MAXVILLE, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF COUNTY ROAD NO. 218 AND U.S. HIGHWAY NO. 301 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 2.8 MILES ON U.S. HIGHWAY NO. 301 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 58± FEET WESTERLY OF THE CENTERLINE OF U.S. HIGHWAY NO. 301 AND 4.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 60° EAST AT 41.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE #89, SOUTH 33° WEST AT 49.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #313706554, NORTH 45° WEST AT 101.8 FEET.
- 4) SET X-CUT OF CONCRETE ENDWALL, NORTH 30° EAST AT 110.7 FEET.

CLAY 105

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 4 MILES NORTHWEST OF PENNY FARMS, FLORIDA.

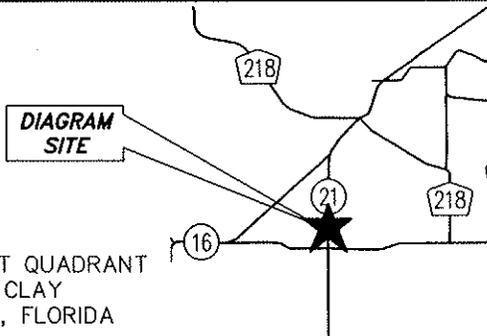
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 2.3 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO LONGLEAF RANCH CIRCLE AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 40± FEET SOUTHERLY OF THE CENTERLINE OF LONGLEAF RANCH CIRCLE, 37± FEET WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND 21.5± FEET EASTERLY OF A WITNESS POST.

REFERENCES

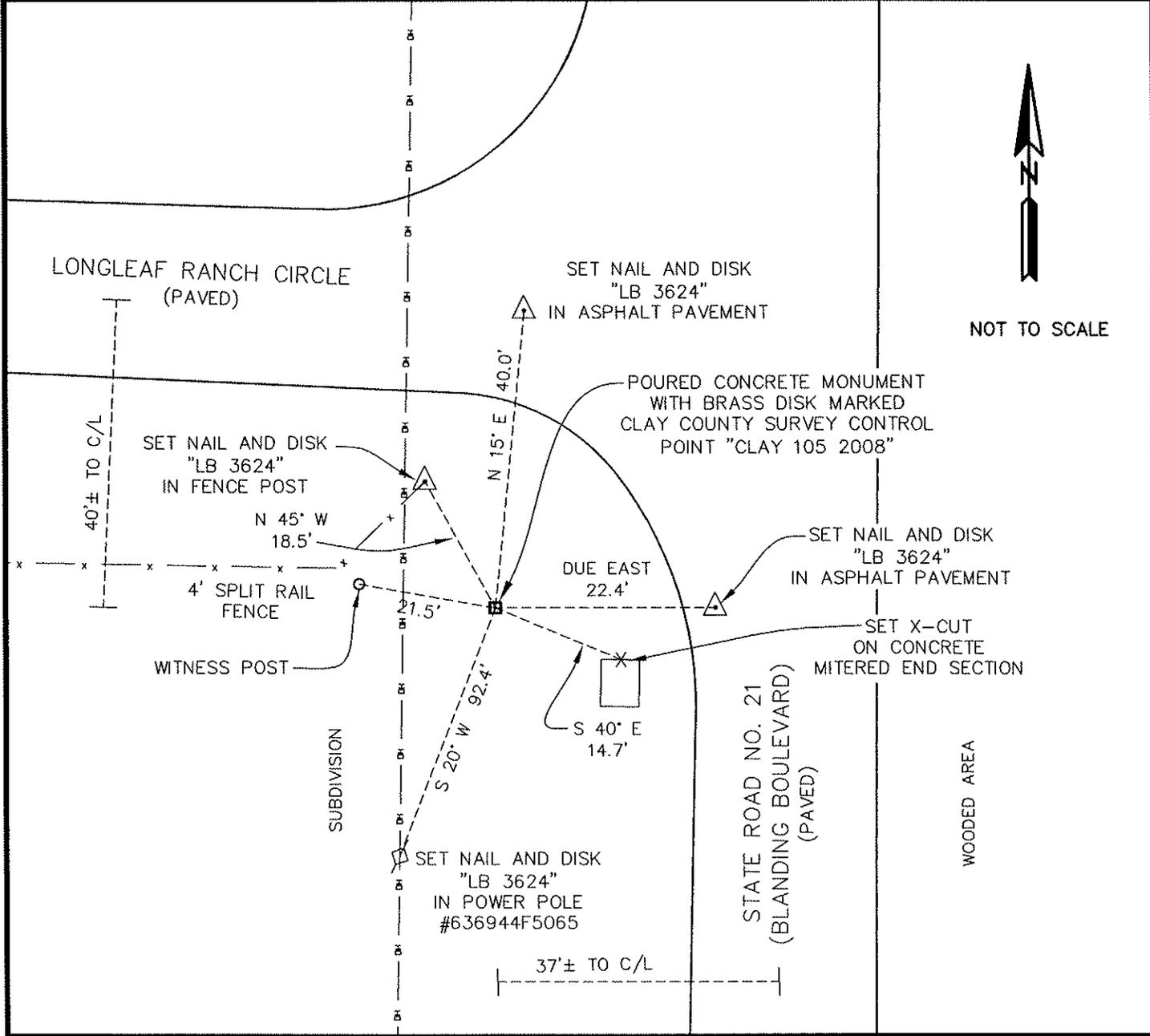
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 22.4 FEET.
- 2) SET X-CUT ON CONCRETE MITERED END SECTION, SOUTH 40° EAST AT 14.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #636944F5065, SOUTH 20° WEST AT 92.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 45° WEST AT 18.5 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 15° EAST AT 40.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 105
DESC. BY: D. SCHENCK	STAMPING: CLAY 105 2008	YEAR SET: 2008
SEC: 34 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-39



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2065315.26 FEET
EASTING: 372015.78 FEET
LATITUDE: 30° 00' 42.29684" N
LONGITUDE: 81° 53' 51.98664" W
CONVERGENCE: -0° 26' 56.66796"
SCALE FACTOR: 1.00003369
NEAREST INTERVISIBLE STATION: CLAY 106



CLAY 106

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 4 MILES NORTHWEST OF PENNY FARMS, FLORIDA.

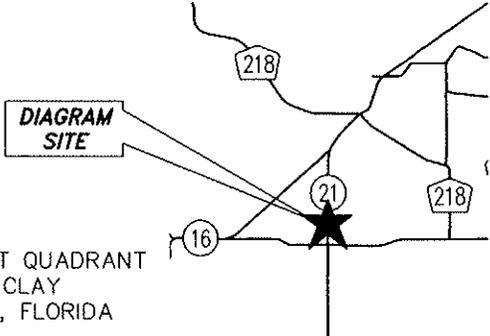
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 2.6 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO RANCH PINES WAY AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 60± FEET SOUTHERLY OF THE CENTERLINE OF RANCH PINES WAY, 40± FEET WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND 21.5± FEET EASTERLY OF A WITNESS POST.

REFERENCES

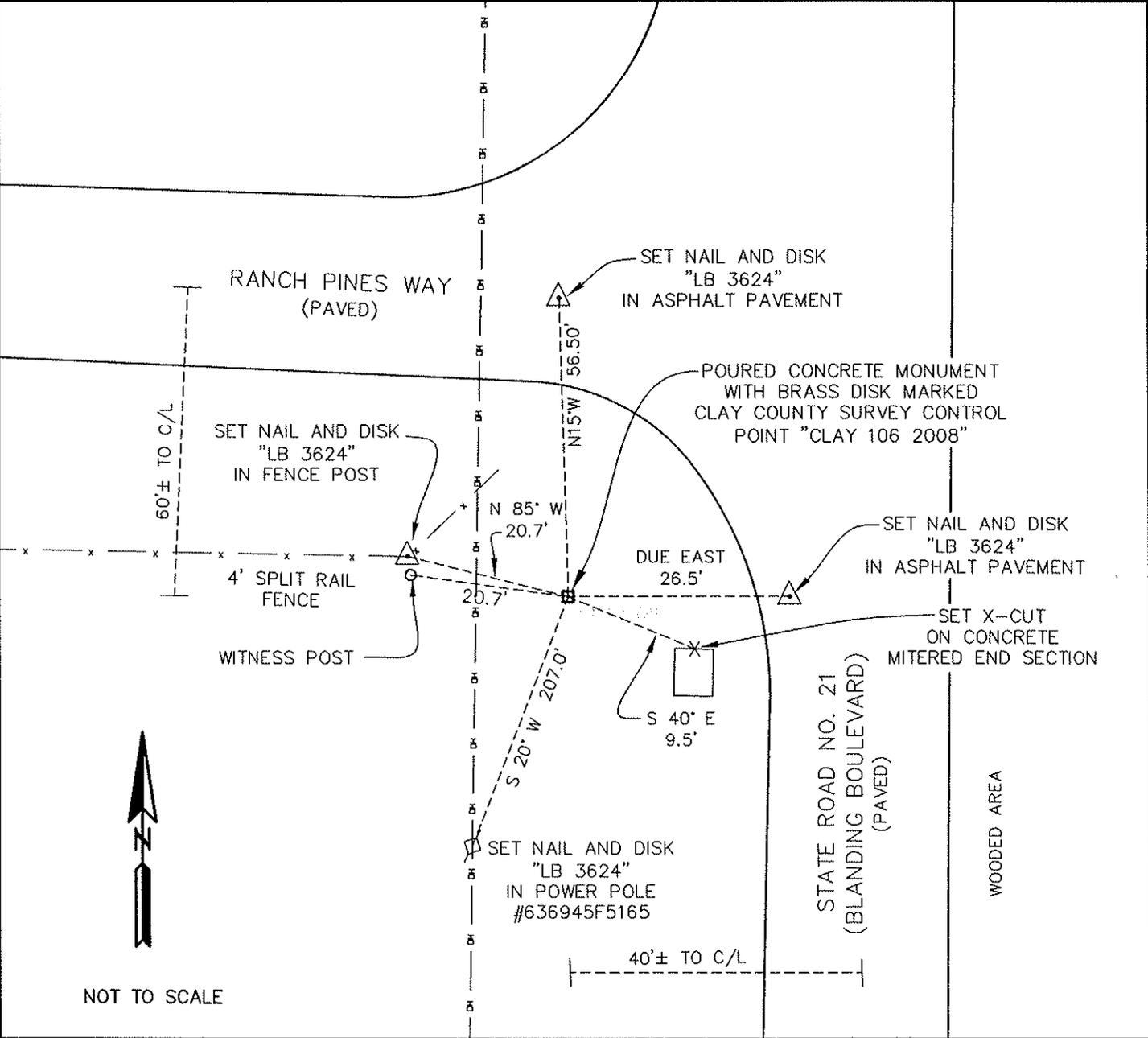
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 26.5 FEET.
- 2) SET X-CUT ON CONCRETE MITERED END SECTION, SOUTH 40° WEST AT 9.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 85° WEST AT 20.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 15° WEST AT 56.5 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN POWER POLE #636945F5165, SOUTH 20° WEST AT 207.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 106
DESC. BY: D. SCHENCK	STAMPING: CLAY 106 2008	YEAR SET: 2008
SEC: 34 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-40



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2066747.31 FEET
EASTING: 372029.06 FEET
LATITUDE: 30° 00' 56.47218" N
LONGITUDE: 81° 53' 51.96322" W
CONVERGENCE: -0° 26' 56.84858"
SCALE FACTOR: 1.000033681
NEAREST INTERVISIBLE STATION: CLAY 105



NOT TO SCALE

CLAY 107

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 8 MILES NORTHWEST OF PENNY FARMS, FLORIDA.

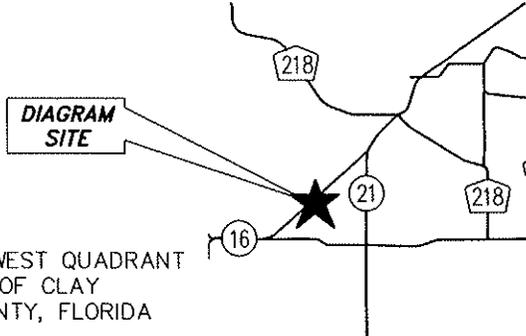
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 215 IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 3.6 MILES ON COUNTY ROAD NO. 215 TO JUNIPER AVENUE NORTH AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 64± FEET NORTHEASTERLY OF THE CENTERLINE OF JUNIPER AVENUE NORTH, 30± FEET NORTHWESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 215 AND 21.8± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

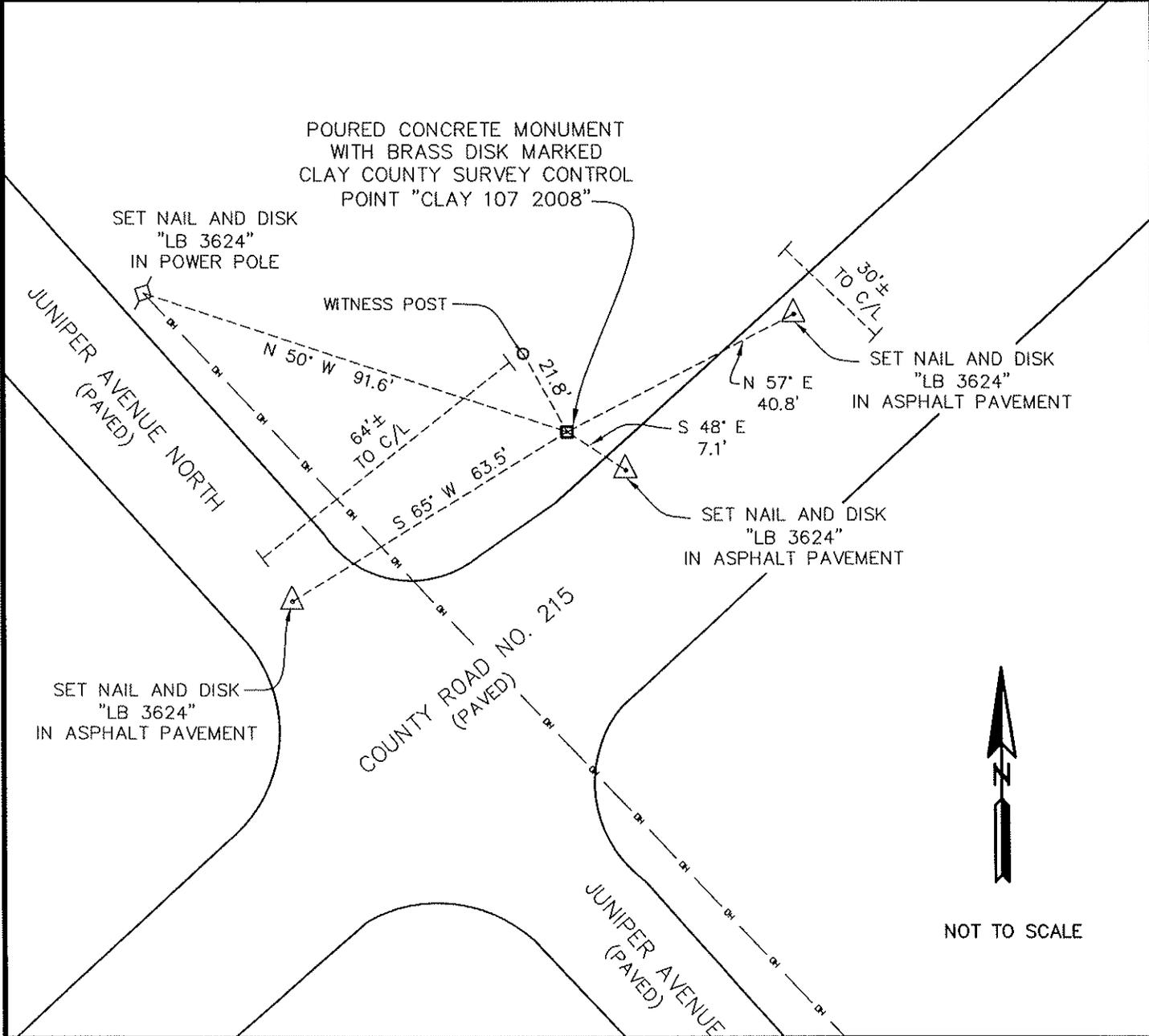
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 48° EAST AT 7.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 57° EAST AT 40.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 65° WEST AT 63.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 50° WEST AT 91.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 107
DESC. BY: D. SCHENCK	STAMPING: CLAY 107 2008	YEAR SET: 2008
SEC: 32 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-41



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2066431.73 FEET
EASTING: 362364.80 FEET
LATITUDE: 30° 00' 52.58603" N
LONGITUDE: 81° 55' 41.84977" W
CONVERGENCE: -0° 27' 51.77402"
SCALE FACTOR: 1.000040081
NEAREST INTERVISIBLE STATION: CLAY 108



CLAY 108

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 8 MILES NORTHWEST OF PENNY FARMS, FLORIDA.

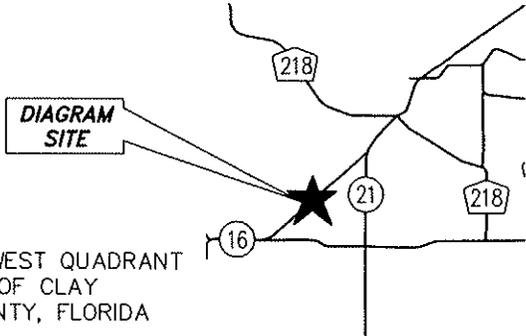
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 215 IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 4.0 MILES ON COUNTY ROAD NO. 215 TO NORTH CHICORY AVENUE (JUNIPER AVENUE HEADING SOUTHEAST) AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 56± FEET SOUTHWESTERLY OF THE CENTERLINE OF JUNIPER AVENUE, 24± FEET SOUTHEASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 215 AND 33.0± FEET NORTHWESTERLY OF A WITNESS POST.

REFERENCES

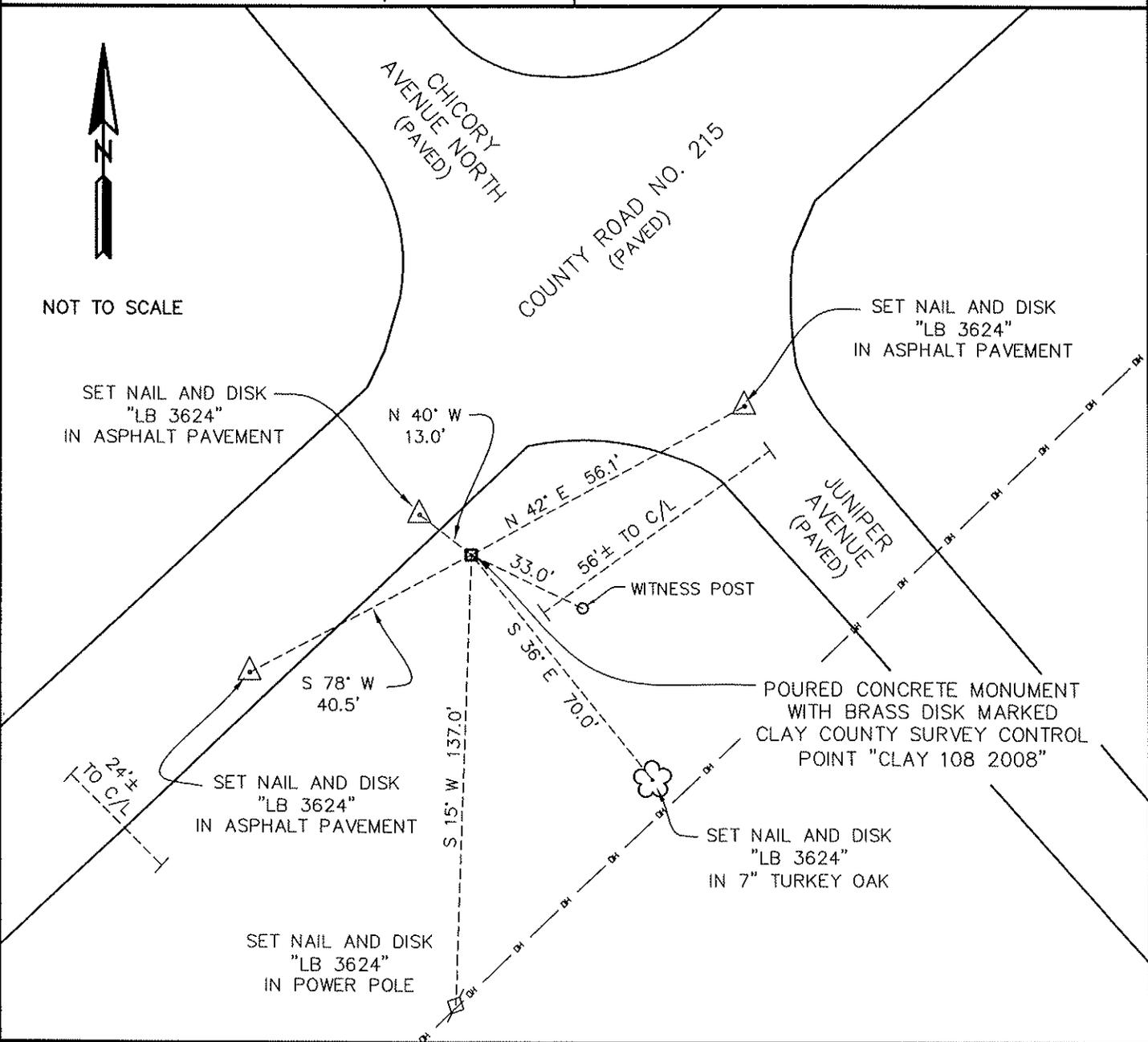
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 42° EAST AT 56.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 40° WEST AT 13.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 7" TURKEY OAK TREE, SOUTH 36° EAST AT 70.0 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 15° WEST AT 137.0 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 78° WEST AT 40.5 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 108
DESC. BY: D. SCHENCK	STAMPING: CLAY 108 2008	YEAR SET: 2008
SEC: 32 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-42



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2067746.84 FEET
EASTING: 363937.12 FEET
LATITUDE: 30° 01' 05.72859" N
LONGITUDE: 81° 55' 24.08793" W
CONVERGENCE: -0° 27' 43.07081"
SCALE FACTOR: 1.000039025
NEAREST INTERVISIBLE STATION: CLAY 107



CLAY 109

THE STATION IS LOCATED APPROXIMATELY 1 MILE SOUTHEAST OF LAWTEY, FLORIDA AND APPROXIMATELY 12 MILES WEST OF MIDDLEBURG, FLORIDA.

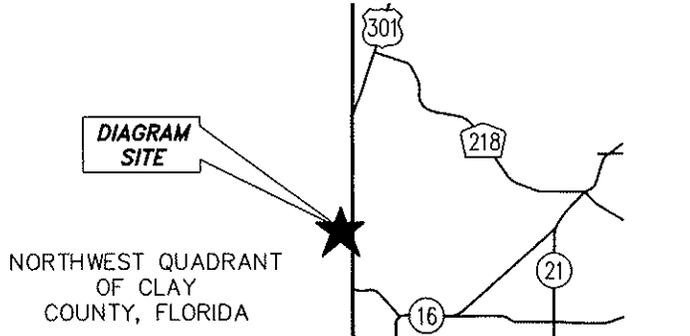
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 225 IN CLAY COUNTY, FLORIDA. PROCEED NORTHWESTERLY 4.6 MILES ON COUNTY ROAD NO. 225 TO NORTHEAST 218TH STREET AND THE STATION ON THE RIGHT IN BRADFORD COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 33± FEET SOUTHEASTERLY OF THE CENTERLINE OF NORTHEAST 218TH STREET, 24± FEET NORTHEASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 225 AND 4.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

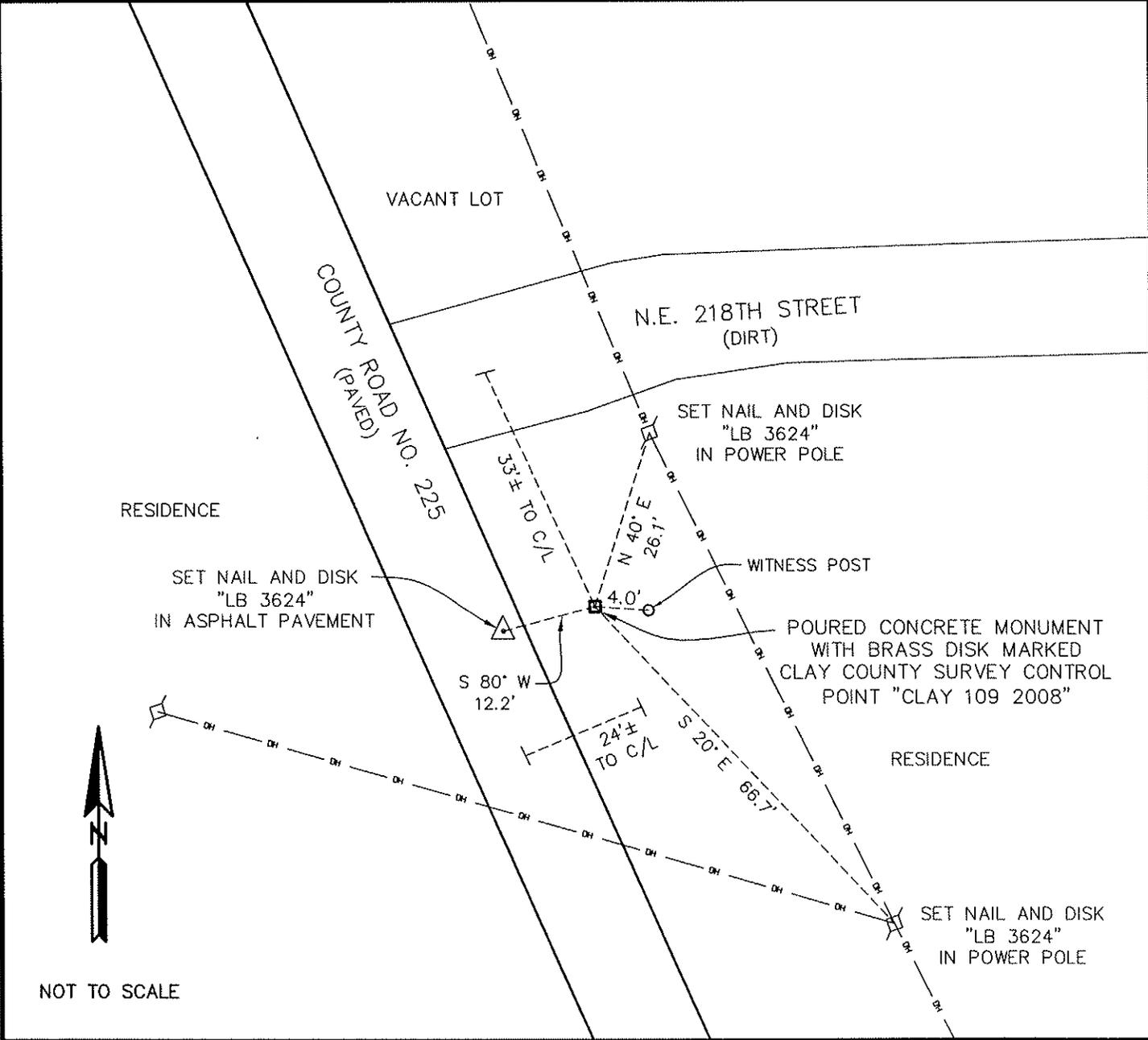
- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 40° EAST AT 26.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 20° EAST AT 66.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° WEST AT 12.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: BRADFORD	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 109
DESC. BY: D. SCHENCK	STAMPING: CLAY 109 2008	YEAR SET: 2008
SEC: 36 TWP: 5S RGE: 22E	USGS QUAD NAME: LAWTEY	F.B.-PG: X1463-43



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2073764.58 FEET
EASTING: 320825.03 FEET
LATITUDE: 30° 02' 01.59448" N
LONGITUDE: 82° 03' 35.05251" W
CONVERGENCE: -0° 31' 49.63930"
SCALE FACTOR: 1.000070026
NEAREST INTERVISIBLE STATION: CLAY 110



CLAY 110

THE STATION IS LOCATED APPROXIMATELY 1 MILE SOUTHEAST OF LAWTEY, FLORIDA AND APPROXIMATELY 12 MILES WEST OF MIDDLEBURG, FLORIDA.

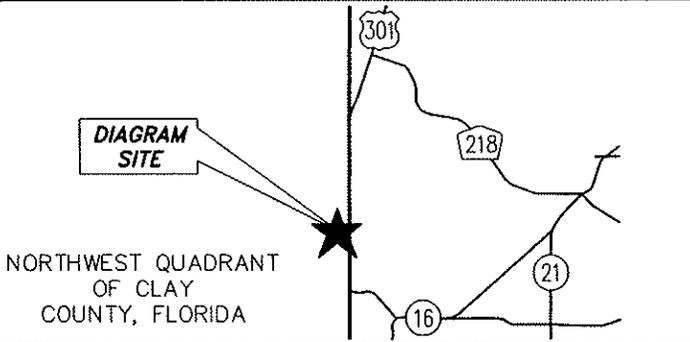
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 225 IN CLAY COUNTY, FLORIDA. PROCEED NORTHWESTERLY 4.3 MILES ON COUNTY ROAD NO. 225 TO NORTHEAST 216TH STREET AND THE STATION ON THE LEFT IN BRADFORD COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 38± FEET NORTHERLY OF THE CENTERLINE OF NORTHEAST 216TH STREET, 33± FEET SOUTHWESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 225 AND 3.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

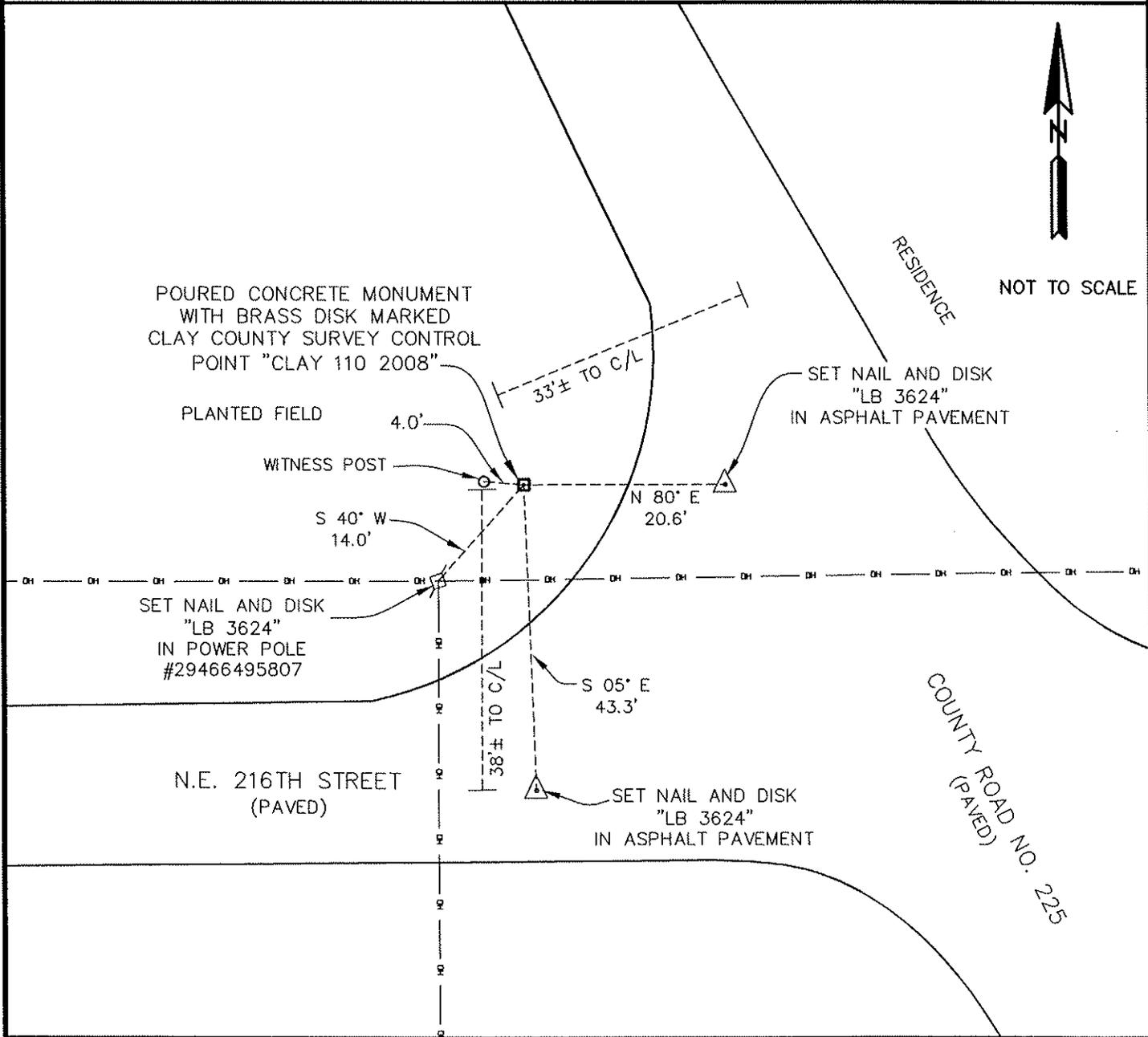
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 05° EAST AT 43.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE #29466495807, SOUTH 40° WEST AT 14.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 80° EAST AT 20.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: BRADFORD	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 110
DESC. BY: D. SCHENCK	STAMPING: CLAY 110 2008	YEAR SET: 2008
SEC: 36 TWP: 5S RGE: 22E	USGS QUAD NAME: LAWTEY	F.B.-PG: X1463-44



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2072519.01 FEET
EASTING: 321327.07 FEET
LATITUDE: 30° 01' 49.31252" N
LONGITUDE: 82° 03' 29.21084" W
CONVERGENCE: -0° 31' 46.51835"
SCALE FACTOR: 1.000069641
NEAREST INTERVISIBLE STATION: CLAY 109



CLAY 111

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHWEST OF MAXVILLE, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

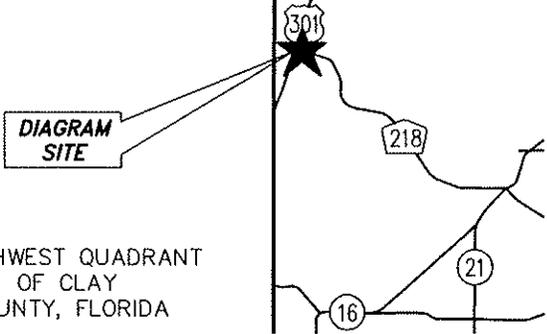
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 0.2 MILES ON COUNTY ROAD NO. 218 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 22± FEET NORTHEASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 30.0± FEET SOUTHWESTERLY OF A WITNESS POST.

REFERENCES

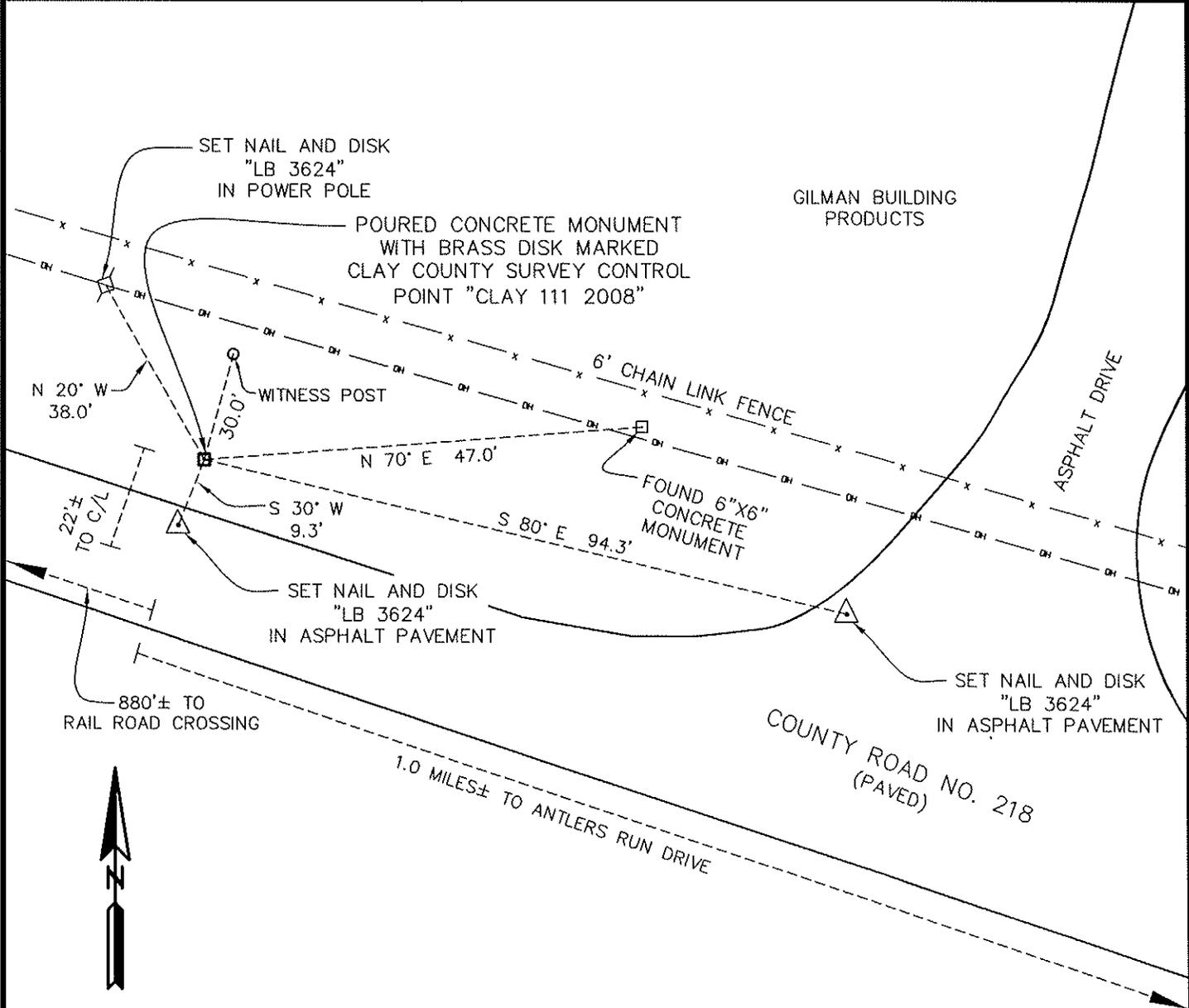
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 30° WEST AT 9.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° EAST AT 94.3 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 20° WEST AT 38.0 FEET.
- 4) FOUND 6"x6" CONCRETE MONUMENT, NORTH 70° EAST AT 47.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 111
DESC. BY: D. SCHENCK	STAMPING: CLAY 111 2008	YEAR SET: 2008
SEC: 17 TWP: 4S RGE: 23E	USGS QUAD NAME: FIFTOE	F.B.-PG: X1463-45



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2116431.69 FEET
EASTING: 330893.23 FEET
LATITUDE: 30° 09' 04.79778" N
LONGITUDE: 82° 01' 44.89760" W
CONVERGENCE: -0° 31' 01.06881"
SCALE FACTOR: 1.000062402
NEAREST INTERVISIBLE STATION: CLAY 112



NOT TO SCALE

CLAY 112

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHWEST OF MAXVILLE, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

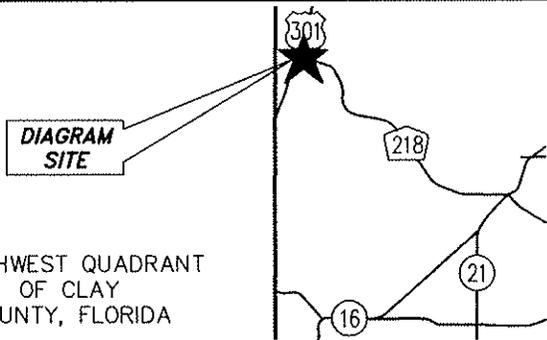
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 140± FEET ON COUNTY ROAD NO. 218 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 85± FEET EASTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF U.S. HIGHWAY NO. 301, 38± FEET NORTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 11.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

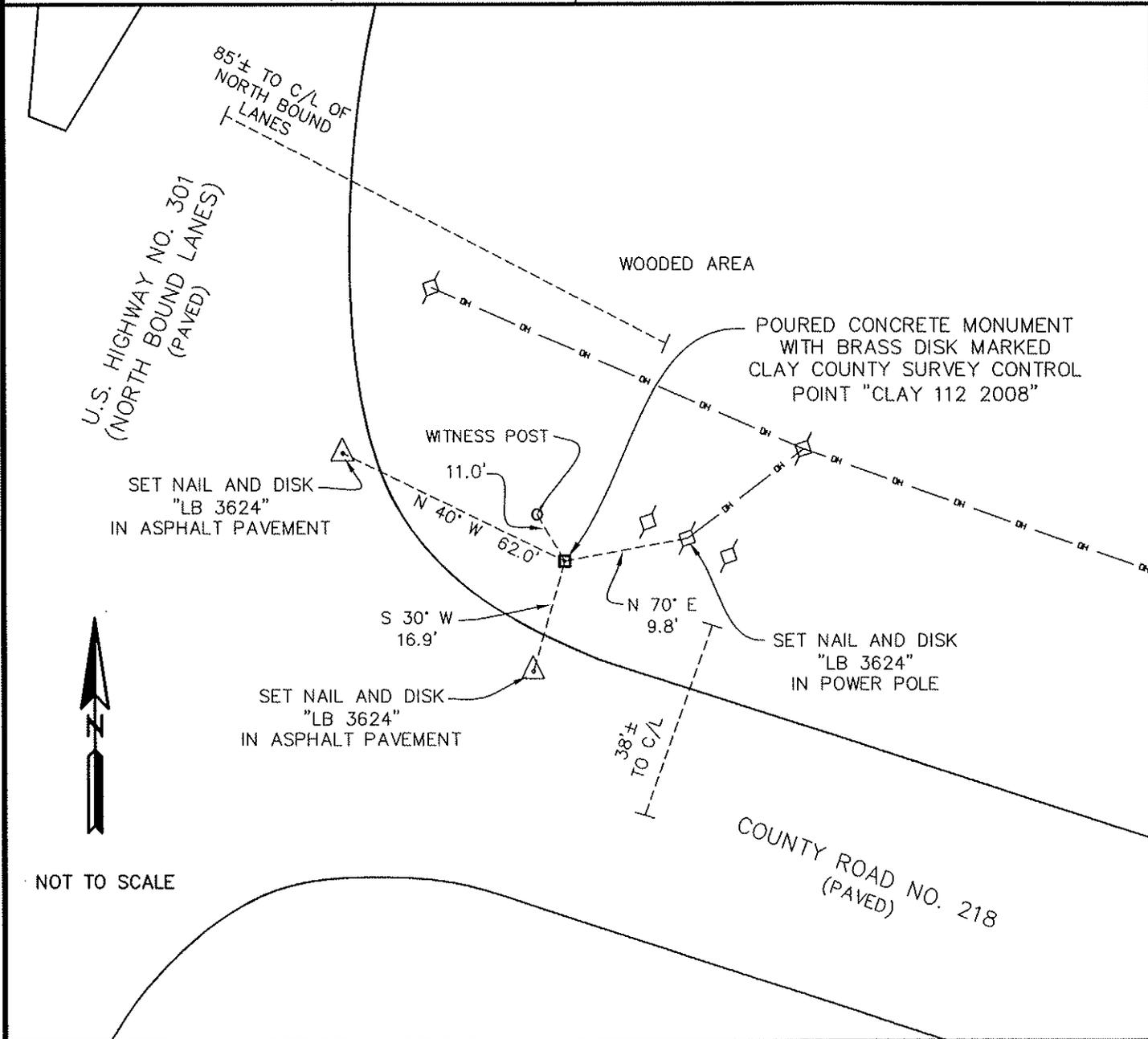
- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 70° EAST AT 9.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 30° WEST AT 16.9 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 40° WEST AT 62.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 112
DESC. BY: D. SCHENCK	STAMPING: CLAY 112 2008	YEAR SET: 2008
SEC: 17 TWP: 4S RGE: 23E	USGS QUAD NAME: FIFSTONE	F.B.-PG: X1463-46



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2116779.53 FEET
EASTING: 329895.79 FEET
LATITUDE: 30° 09' 08.15118" N
LONGITUDE: 82° 01' 56.29289" W
CONVERGENCE: -0° 31' 06.84615"
SCALE FACTOR: 1.000063147
NEAREST INTERVISIBLE STATION: CLAY 111



CLAY 113

THE STATION IS LOCATED APPROXIMATELY 11 MILES EAST OF LAWTEY, FLORIDA AND APPROXIMATELY 8 MILES NORTHWEST OF PENNEY FARMS, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.4 MILES ON COUNTY ROAD NO. 218 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 42± FEET SOUTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 3.0± FEET NORTHERLY OF A WITNESS POST.

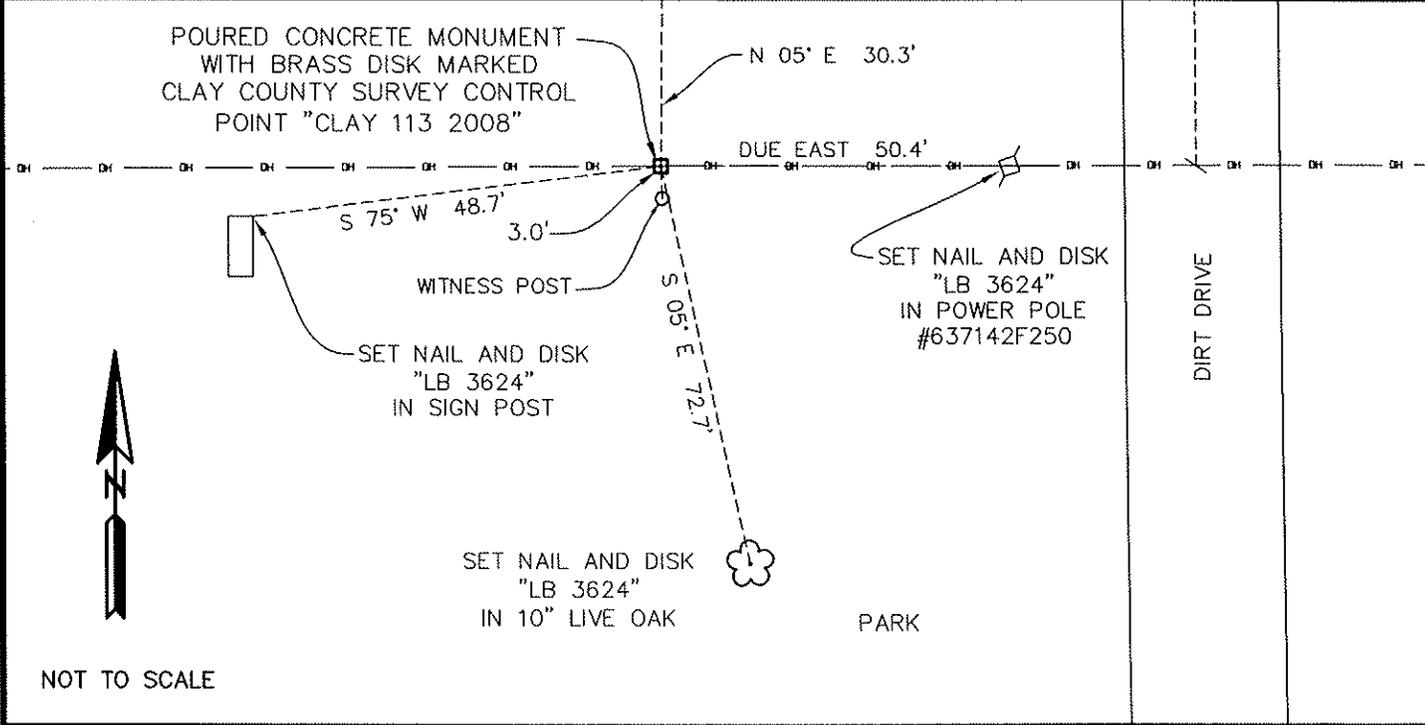
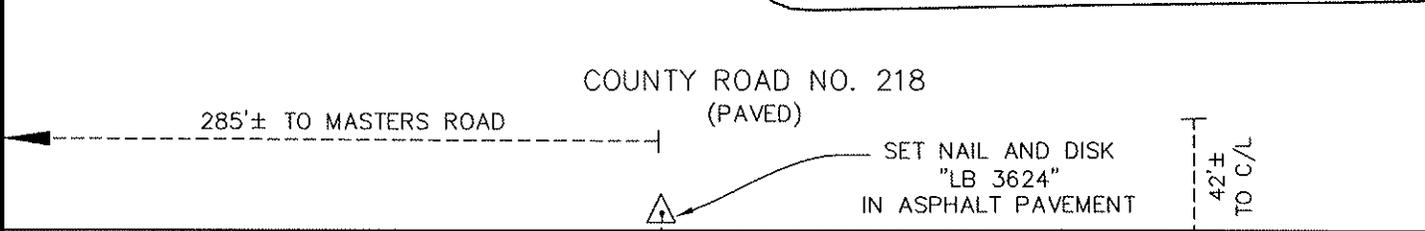
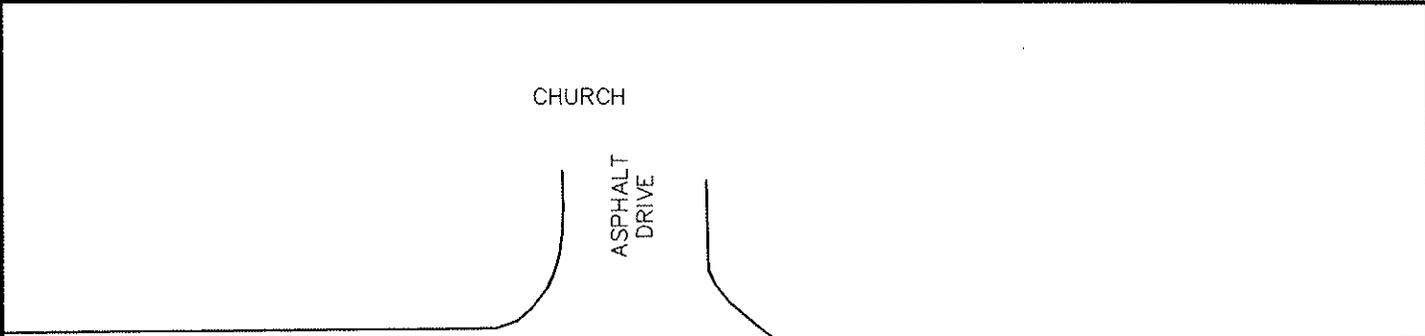
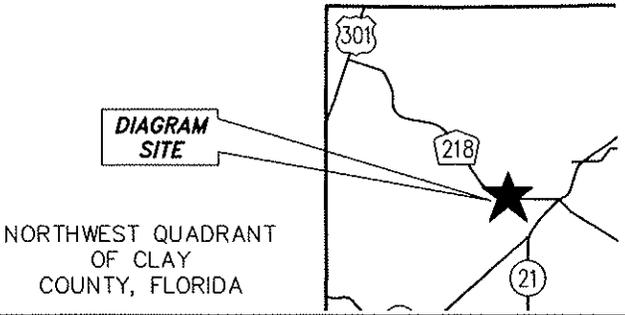
REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° EAST AT 30.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE #637142F250, DUE EAST AT 50.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN SIGN POST, SOUTH 75° WEST AT 48.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 10" LIVE OAK TREE, SOUTH 05° EAST AT 72.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 113
DESC. BY: D. SCHENCK	STAMPING: CLAY 113 2008	YEAR SET: 2008
SEC: 15 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG SW	F.B.-PG: X1463-47

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2083867.68 FEET
EASTING: 372447.98 FEET
LATITUDE: 30° 03' 45.96014" N
LONGITUDE: 81° 53' 48.72456" W
CONVERGENCE: -0° 26' 57.52492"
SCALE FACTOR: 1.000033408
NEAREST INTERVISIBLE STATION: CLAY 114



NOT TO SCALE

CLAY 114

THE STATION IS LOCATED APPROXIMATELY 11 MILES EAST OF LAWTEY, FLORIDA AND APPROXIMATELY 8 MILES NORTHWEST OF PENNEY FARMS, FLORIDA.

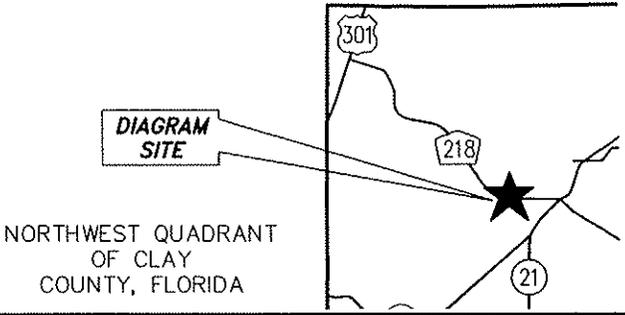
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.1 MILES ON COUNTY ROAD NO. 218 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 38± FEET SOUTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 3.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

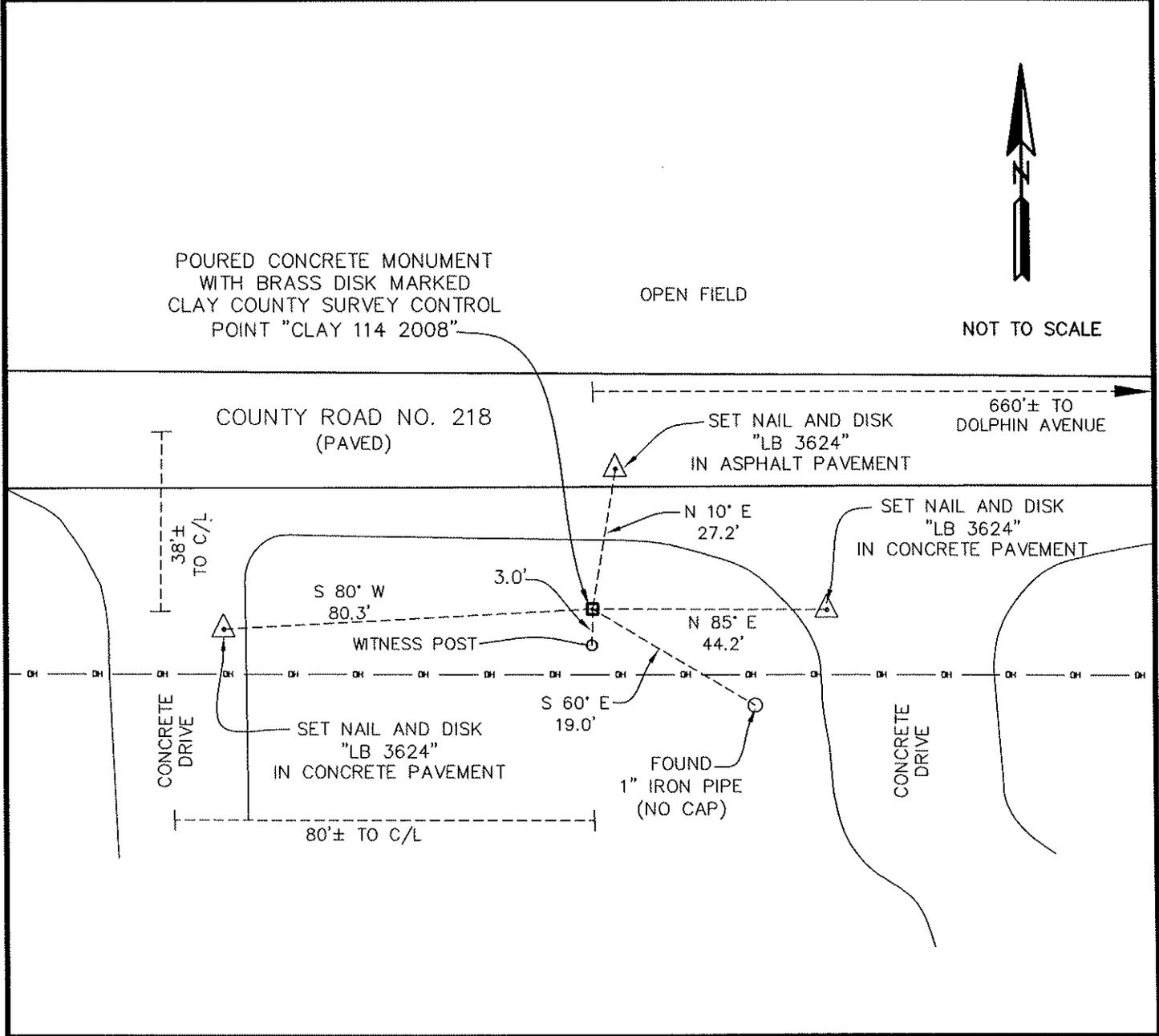
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 10° EAST AT 27.2 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE PAVEMENT, NORTH 85° EAST AT 44.2 FEET.
- 3) FOUND 1" IRON PIPE (NO IDENTIFICATION), SOUTH 60° EAST AT 19.0 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN CONCRETE PAVEMENT, SOUTH 80° WEST AT 80.3 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 114
DESC. BY: D. SCHENCK	STAMPING: CLAY 114 2008	YEAR SET: 2008
SEC: 15 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG SW	F.B.-PG: X1463-48



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2083872.00 FEET
EASTING: 373895.68 FEET
LATITUDE: 30° 03' 46.11499" N
LONGITUDE: 81° 53' 32.25183" W
CONVERGENCE: -0° 26' 49.27349"
SCALE FACTOR: 1.000032469
NEAREST INTERVISIBLE STATION: CLAY 113



CLAY 115

THE STATION IS LOCATED APPROXIMATELY 8 MILES NORTHEAST OF LAWTEY, FLORIDA AND APPROXIMATELY 6 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 5.8 MILES ON COUNTY ROAD NO. 218 TO LONG HORN ROAD AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 24± FEET EASTERLY OF THE PROJECTED CENTERLINE OF LONG HORN ROAD, 28± FEET SOUTHWESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 34.8± FEET NORTHERLY OF A WITNESS POST.

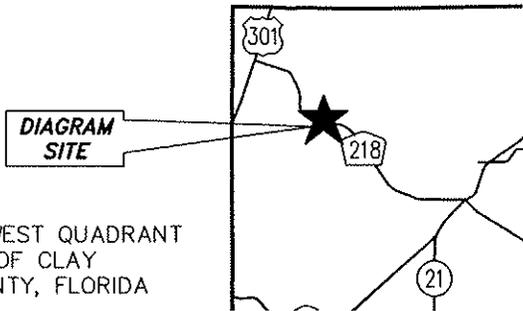
REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 60° EAST AT 16.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 20° EAST AT 51.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 7" TURKEY OAK TREE, SOUTH 80° WEST AT 43.7 FEET.

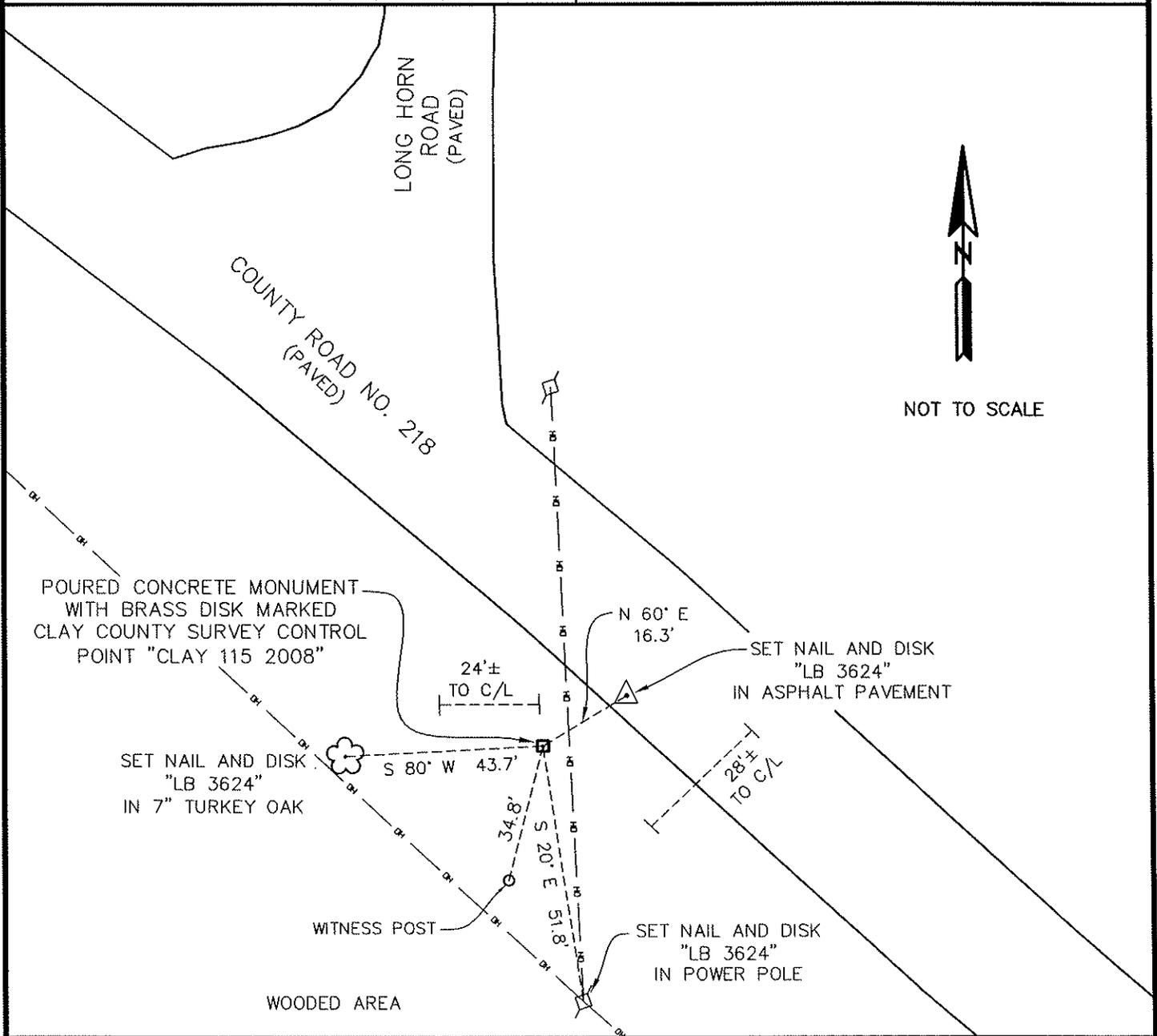
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 115
DESC. BY: D. SCHENCK	STAMPING: CLAY 115 2008	YEAR SET: 2008
SEC: 36 TWP: 4S RGE: 23E	USGS QUAD NAME: MIDDLEBURG SW	F.B.-PG: X1463-49

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2100451.19 FEET
EASTING: 352079.12 FEET
LATITUDE: 30° 06' 28.45998" N
LONGITUDE: 81° 57' 42.08416" W
CONVERGENCE: -0° 28' 56.80955"
SCALE FACTOR: 1.000047126
NEAREST INTERVISIBLE STATION: CLAY 116



NORTHWEST QUADRANT
OF CLAY
COUNTY, FLORIDA



CLAY 116

THE STATION IS LOCATED APPROXIMATELY 8 MILES NORTHEAST OF LAWTEY, FLORIDA AND APPROXIMATELY 6 MILES NORTHWEST OF MIDDLEBURG, FLORIDA.

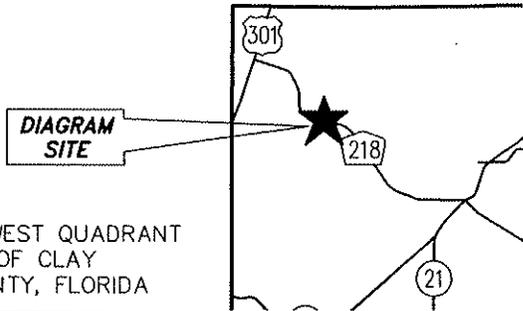
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 301 AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 6 MILES ON COUNTY ROAD NO. 218 TO PONY EXPRESS TRAIL AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 30± FEET SOUTHEASTERLY OF THE CENTERLINE OF PONY EXPRESS TRAIL, 36± FEET NORTHEASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 11.2± FEET SOUTHWESTERLY OF A WITNESS POST.

REFERENCES

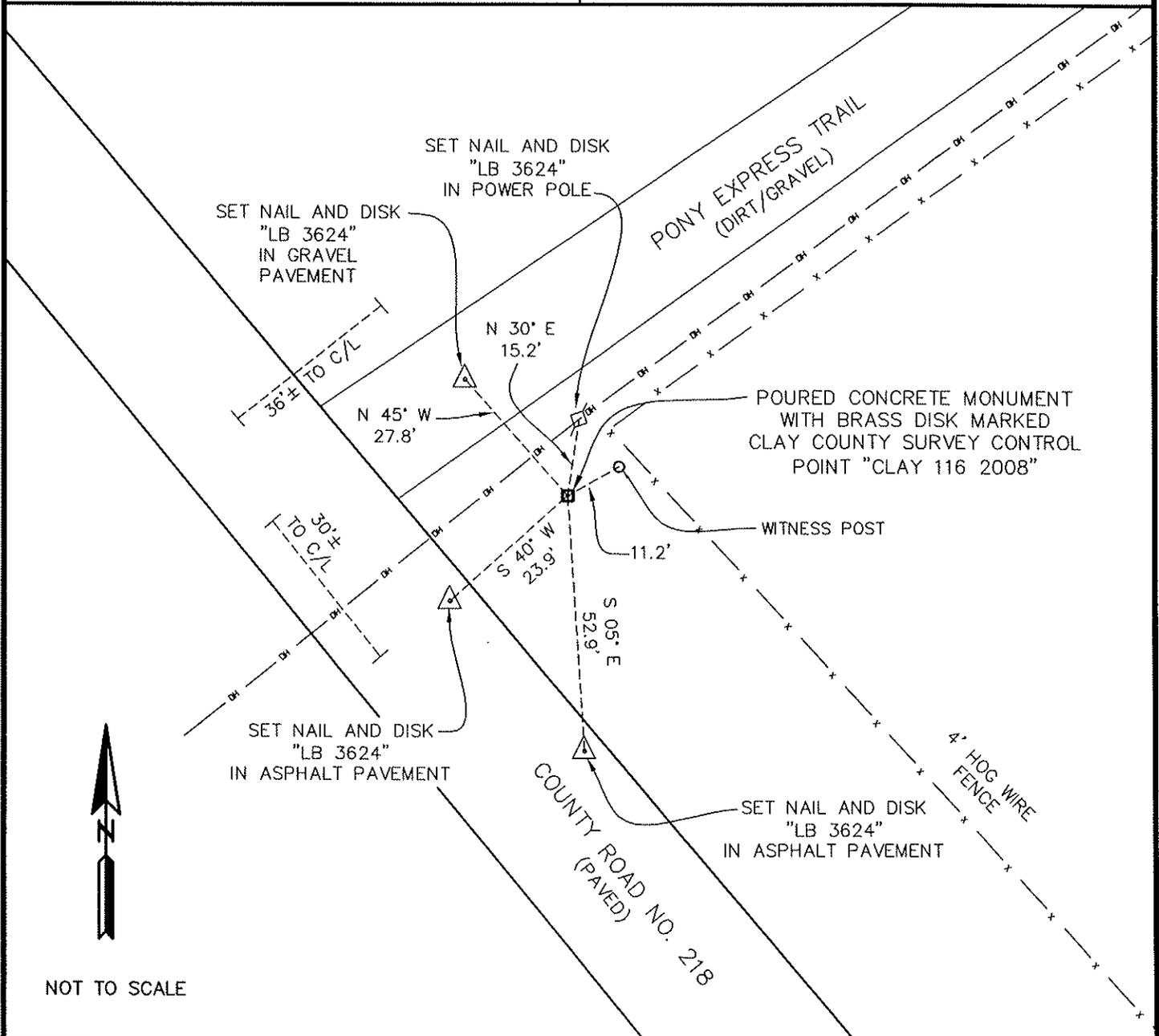
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 40° WEST AT 23.9 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN GRAVEL PAVEMENT, NORTH 45° WEST AT 27.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 30° EAST AT 15.2 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 05° EAST AT 52.9 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 116
DESC. BY: D. SCHENCK	STAMPING: CLAY 116 2008	YEAR SET: 2008
SEC: 36 TWP: 4S RGE: 23E	USGS QUAD NAME: MIDDLEBURG SW	F.B.—PG: X1463—50



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2099768.36 FEET
EASTING: 352851.74 FEET
LATITUDE: 30° 06' 21.76593" N
LONGITUDE: 81° 57' 33.22348" W
CONVERGENCE: -0° 28' 52.26686"
SCALE FACTOR: 1.000046588
NEAREST INTERVISIBLE STATION: CLAY 115



NOT TO SCALE

CLAY 117

THE STATION IS LOCATED APPROXIMATELY 13 MILES EAST OF LAWTEY, FLORIDA AND APPROXIMATELY 1 MILE NORTH OF MIDDLEBURG, FLORIDA.

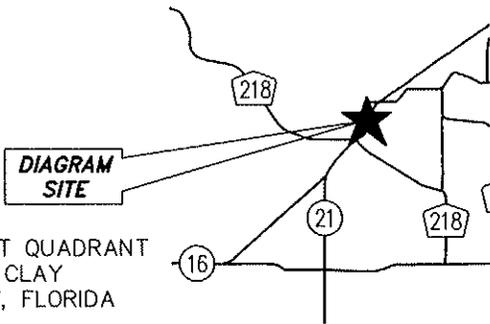
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND COUNTY ROAD NO. 220A (LONG BAY ROAD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 0.2 MILES ON COUNTY ROAD NO. 220A (LONG BAY ROAD) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 36± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 220A (LONG BAY ROAD) AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

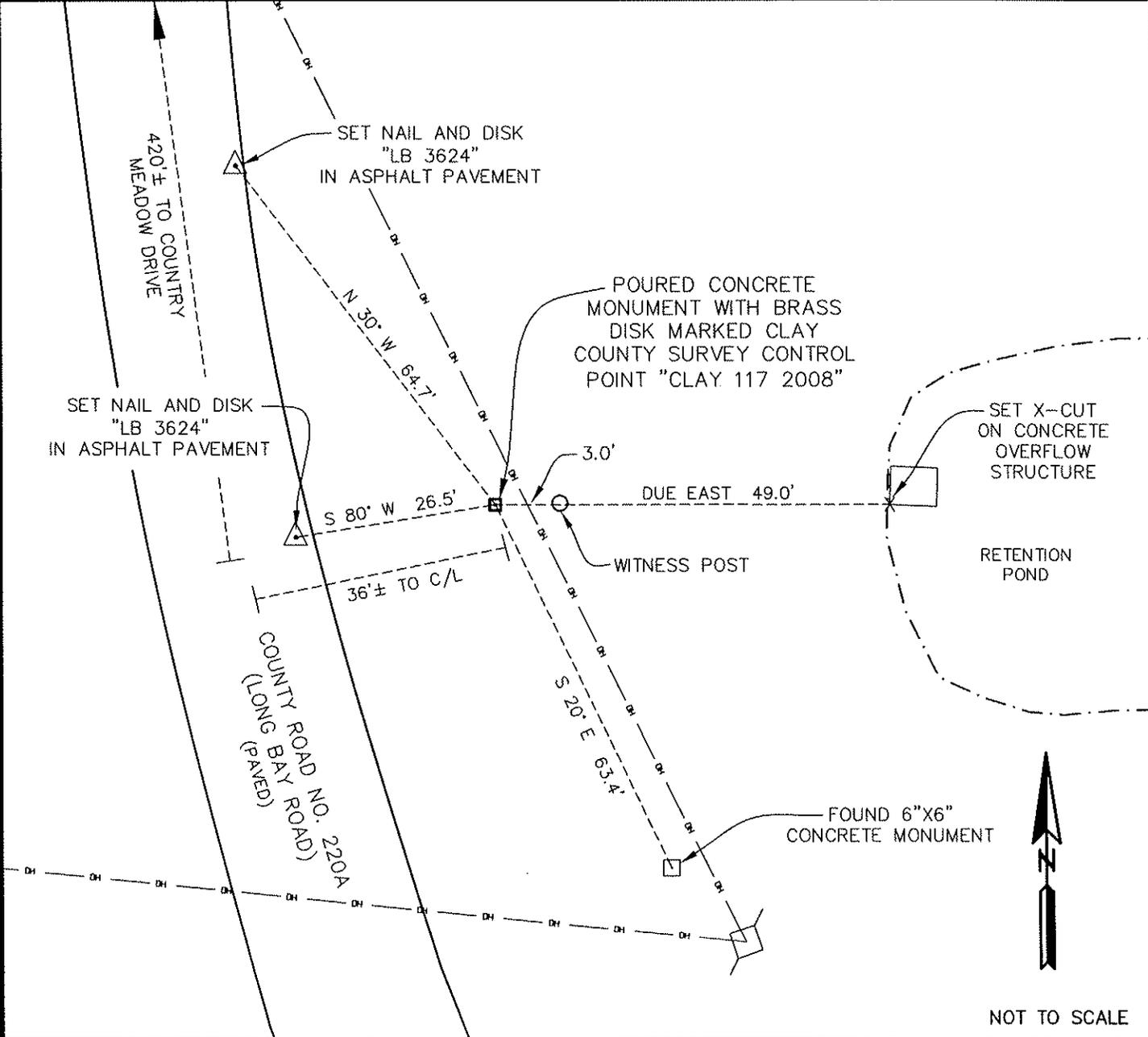
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 30° WEST AT 64.7 FEET.
- 2) SET X-CUT ON CONCRETE OVERFLOW STRUCTURE, DUE EAST AT 49.0 FEET.
- 3) FOUND 6"X6" CONCRETE MONUMENT, SOUTH 20° EAST AT 63.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° WEST AT 26.5 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 117
DESC. BY: D. SCHENCK	STAMPING: CLAY 117 2008	YEAR SET: 2008
SEC: 37 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-51



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2089944.26 FEET
EASTING: 382873.97 FEET
LATITUDE: 30° 04' 46.90014" N
LONGITUDE: 81° 51' 50.61065" W
CONVERGENCE: -0° 25' 59.14065"
SCALE FACTOR: 1.000026753
NEAREST INTERVISIBLE STATION: CLAY 118



CLAY 118

THE STATION IS LOCATED APPROXIMATELY 13 MILES EAST OF LAWTEY, FLORIDA AND APPROXIMATELY 1 MILE NORTH OF MIDDLEBURG, FLORIDA.

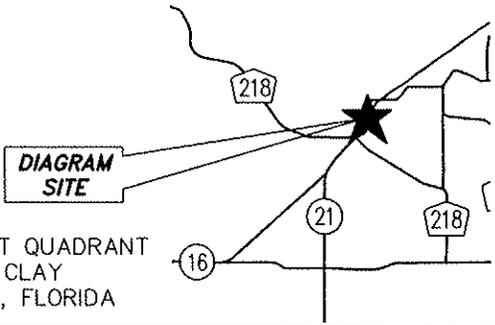
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND COUNTY ROAD NO. 220A (LONG BAY ROAD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 100 FEET ON COUNTY ROAD NO. 220A (LONG BAY ROAD) TO LAZY ACRE ROAD AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 55± FEET NORTHERLY OF THE CENTERLINE OF LAZY ACRE ROAD, 26± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 220A (LONG BAY ROAD) AND 3.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

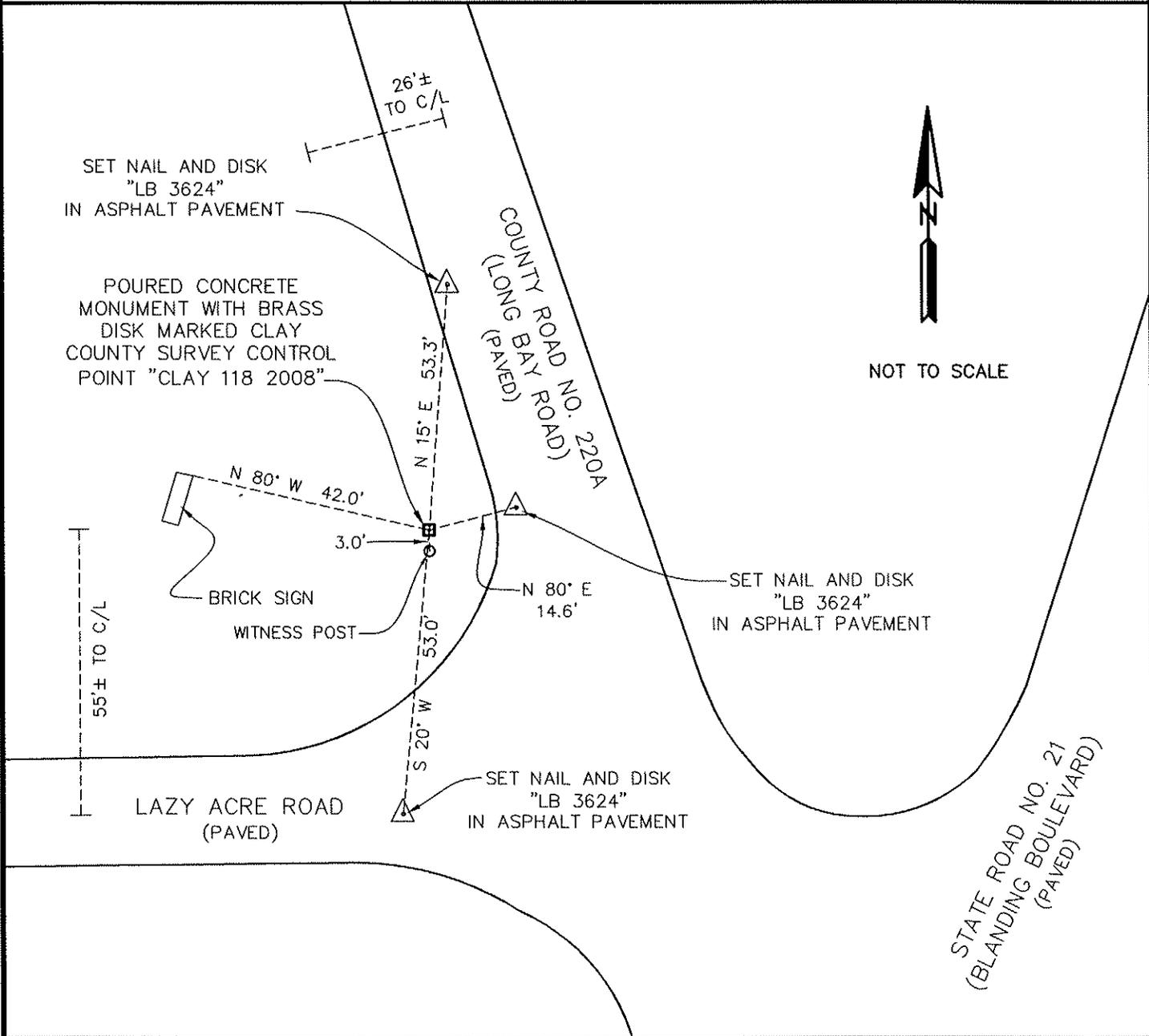
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 15° EAST AT 53.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 80° EAST AT 14.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 20° WEST AT 53.0 FEET.
- 4) BRICK SIGN, NORTH 80° WEST AT 42.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 118
DESC. BY: D. SCHENCK	STAMPING: CLAY 118 2008	YEAR SET: 2008
SEC: 37 TWP: 5S RGE: 24E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-52



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2089175.23 FEET
EASTING: 383057.40 FEET
LATITUDE: 30° 04' 39.30206" N
LONGITUDE: 81° 51' 48.45696" W
CONVERGENCE: -0° 25' 57.96194"
SCALE FACTOR: 1.000026639
NEAREST INTERVISIBLE STATION: CLAY 117



SET NAIL AND DISK
"LB 3624"
IN ASPHALT PAVEMENT

POURED CONCRETE
MONUMENT WITH BRASS
DISK MARKED CLAY
COUNTY SURVEY CONTROL
POINT "CLAY 118 2008"

BRICK SIGN
WITNESS POST

LAZY ACRE ROAD
(PAVED)

COUNTY ROAD NO. 2200A
(LONG BAY ROAD)
(PAVED)

SET NAIL AND DISK
"LB 3624"
IN ASPHALT PAVEMENT

SET NAIL AND DISK
"LB 3624"
IN ASPHALT PAVEMENT



26'±
TO C/L

55'± TO C/L

3.0'

N 80° W 42.0'

N 15° E 53.3'

N 80° E 14.6'

S 20° W 53.0'

SOUTHWEST QUADRANT STATIONS

APPENDIX C

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

SOUTHWEST QUADRANT OF CLAY COUNTY, FLORIDA

Coordinate Parameters

Geographic Coordinate Datum = WGS 1984
 State Plane Datum = NAD 1983 / NSRS 2007
 Zone = Florida East (901)
 Linear Units = U.S. Survey Foot

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY13	29° 54' 38.04698" 81° 53' 51.04741"	2028516.540 371810.460	1.000033826 -0° 26' 51.25468"
CLAY14	29° 54' 47.82060" 81° 53' 50.69030"	2029503.660 371849.602	1.0000338 -0° 26' 51.20927"
CLAY15	29° 53' 55.54032" 81° 52' 35.38562"	2024170.974 378436.773	1.000029558 -0° 26' 12.95552"
CLAY16	29° 54' 04.24464" 81° 52' 35.60170"	2025050.456 378424.460	1.000029566 -0° 26' 13.17869"
CLAY17	29° 52' 45.13478" 81° 55' 26.57461"	2017176.384 363311.293	1.000039448 -0° 27' 37.31953"
CLAY18	29° 52' 38.87686" 81° 55' 35.22000"	2016550.312 362545.069	1.000039962 -0° 27' 41.53955"
CLAY19	29° 50' 28.38014" 81° 55' 15.99187"	2003353.533 364132.397	1.000038898 -0° 27' 30.13976"
CLAY20	29° 50' 18.58076" 81° 55' 19.48525"	2002366.035 363816.798	1.000039109 -0° 27' 31.74161"
CLAY21	29° 49' 40.60077" 81° 53' 16.81437"	1998444.290 374591.390	1.000032024 -0° 26' 30.18359"
CLAY22	29° 49' 36.90757" 81° 53' 07.90877"	1998065.156 375372.958	1.00003152 -0° 26' 25.70364"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

SOUTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY25	29° 49' 00.80374" 81° 55' 20.77847"	1994509.708 363639.974	1.000039228 -0° 27' 31.29886"
CLAY26	29° 48' 48.48069" 81° 55' 19.95660"	1993264.224 363702.411	1.000039187 -0° 27' 30.71803"
CLAY27	29° 46' 40.96316" 81° 57' 34.33212"	1980478.717 351757.130	1.000047357 -0° 28' 35.68707"
CLAY28	29° 46' 55.00045" 81° 57' 41.93491"	1981902.378 351098.933	1.000047817 -0° 28' 39.66823"
CLAY29	29° 46' 44.55609" 81° 55' 31.68413"	1980753.370 362568.762	1.000039949 -0° 27' 34.81276"
CLAY30	29° 46' 30.42421" 81° 55' 29.98796"	1979324.541 362706.792	1.000039856 -0° 27' 33.77215"
CLAY31	29° 45' 47.52360" 82° 00' 12.65666"	1975198.813 337757.274	1.000057349 -0° 29' 53.52278"
CLAY32	29° 45' 36.20242" 82° 00' 02.95211"	1974047.687 338602.732	1.000056733 -0° 29' 48.53248"
CLAY33	29° 46' 17.46717" 82° 00' 39.50681"	1978244.460 335417.154	1.000059062 -0° 30' 07.31343"
CLAY34	29° 46' 11.07126" 82° 00' 47.68968"	1977604.651 334690.286	1.000059597 -0° 30' 11.27936"
CLAY35	29° 43' 27.38438" 82° 02' 47.95731"	1961163.073 323940.428	1.000067651 -0° 31' 08.41267"
CLAY36	29° 43' 14.88651" 82° 02' 44.08074"	1959897.406 324270.826	1.0000674 -0° 31' 06.29201"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

SOUTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY37	29° 48' 34.81436" 82° 00' 31.75253"	1992113.757 336221.966	1.000058471 -0° 30' 05.56096"
CLAY38	29° 48' 42.45610" 82° 00' 22.29952"	1992878.472 337061.528	1.000057856 -0° 30' 00.97701"
CLAY39	29° 53' 04.12553" 81° 50' 33.46612"	2018896.667 389130.180	1.000022883 -0° 25' 11.51643"
CLAY40	29° 53' 15.99681" 81° 50' 38.09154"	2020098.918 388731.791	1.000023127 -0° 25' 13.97304"
CLAY103	29° 58' 40.96959" 81° 53' 52.44621"	2053058.522 371879.337	1.000033378 -0° 26' 55.25113"
CLAY104	29° 58' 21.33607" 81° 53' 52.25044"	2051074.920 371881.025	1.000033779 -0° 26' 54.88677"

STATION LISTINGS IN METRIC VALUES

SOUTHWEST QUADRANT OF CLAY COUNTY, FLORIDA

Coordinate Parameters

Geographic Coordinate Datum = WGS 1984
 State Plane Datum = NAD 1983 / NSRS 2007
 Zone = Florida East (901)
 Linear Units = Meter

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY13	29° 54' 38.04698" 81° 53' 51.04741"	618293.078 113328.055	1.000033826 -0° 26' 51.25468"
CLAY14	29° 54' 47.82060" 81° 53' 50.69030"	618593.953 113339.985	1.0000338 -0° 26' 51.20927"
CLAY15	29° 53' 55.54032" 81° 52' 35.38562"	616968.547 115347.759	1.000029558 -0° 26' 12.95552"
CLAY16	29° 54' 04.24464" 81° 52' 35.60170"	617236.614 115344.006	1.000029566 -0° 26' 13.17869"
CLAY17	29° 52' 45.13478" 81° 55' 26.57461"	614836.592 110737.504	1.000039448 -0° 27' 37.31953"
CLAY18	29° 52' 38.87686" 81° 55' 35.22000"	614645.764 110503.958	1.000039962 -0° 27' 41.53955"
CLAY19	29° 50' 28.38014" 81° 55' 15.99187"	610623.378 110987.776	1.000038898 -0° 27' 30.13976"
CLAY20	29° 50' 18.58076" 81° 55' 19.48525"	610322.388 110891.582	1.000039109 -0° 27' 31.74161"
CLAY21	29° 49' 40.60077" 81° 53' 16.81437"	609127.038 114175.684	1.000032024 -0° 26' 30.18359"
CLAY22	29° 49' 36.90757" 81° 53' 07.90877"	609011.478 114413.906	1.00003152 -0° 26' 25.70364"

STATION LISTINGS IN METRIC VALUES

SOUTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

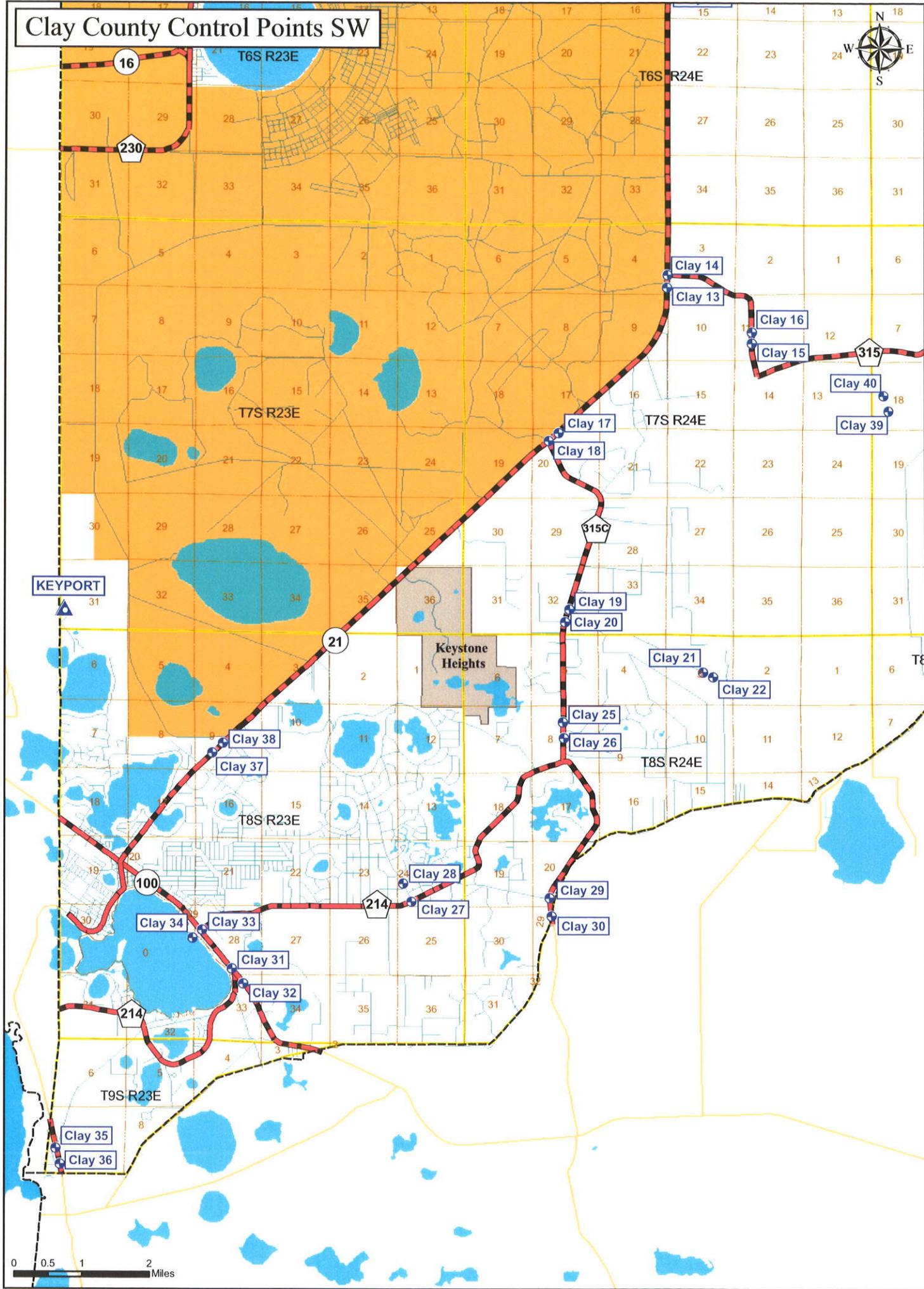
Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY25	29° 49' 00.80374" 81° 55' 20.77847"	607927.775 110837.686	1.000039228 -0° 27' 31.29886"
CLAY26	29° 48' 48.48069" 81° 55' 19.95660"	607548.151 110856.717	1.000039187 -0° 27' 30.71803"
CLAY27	29° 46' 40.96316" 81° 57' 34.33212"	603651.120 107215.788	1.000047357 -0° 28' 35.68707"
CLAY28	29° 46' 55.00045" 81° 57' 41.93491"	604085.053 107015.169	1.000047817 -0° 28' 39.66823"
CLAY29	29° 46' 44.55609" 81° 55' 31.68413"	603734.835 110511.180	1.000039949 -0° 27' 34.81276"
CLAY30	29° 46' 30.42421" 81° 55' 29.98796"	603299.327 110553.251	1.000039856 -0° 27' 33.77215"
CLAY31	29° 45' 47.52360" 82° 00' 12.65666"	602041.802 102948.623	1.000057349 -0° 29' 53.52278"
CLAY32	29° 45' 36.20242" 82° 00' 02.95211"	601690.938 103206.319	1.000056733 -0° 29' 48.53248"
CLAY33	29° 46' 17.46717" 82° 00' 39.50681"	602970.117 102235.353	1.000059062 -0° 30' 07.31343"
CLAY34	29° 46' 11.07126" 82° 00' 47.68968"	602775.103 102013.803	1.000059597 -0° 30' 11.27936"
CLAY35	29° 43' 27.38438" 82° 02' 47.95731"	597763.700 98737.240	1.000067651 -0° 31' 08.41267"
CLAY36	29° 43' 14.88651" 82° 02' 44.08074"	597377.924 98837.945	1.0000674 -0° 31' 06.29201"

STATION LISTINGS IN METRIC VALUES

SOUTHWEST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY37	29° 48' 34.81436" 82° 00' 31.75253"	607197.487 102480.660	1.000058471 -0° 30' 05.56096"
CLAY38	29° 48' 42.45610" 82° 00' 22.29952"	607430.573 102736.559	1.000057856 -0° 30' 00.97701"
CLAY39	29° 53' 04.12553" 81° 50' 33.46612"	615360.935 118607.116	1.000022883 -0° 25' 11.51643"
CLAY40	29° 53' 15.99681" 81° 50' 38.09154"	615727.382 118485.687	1.000023127 -0° 25' 13.97304"
CLAY103	29° 58' 40.96959" 81° 53' 52.44621"	625773.489 113349.049	1.00003378 -0° 26' 55.25113"
CLAY104	29° 58' 21.33607" 81° 53' 52.25044"	625168.886 113349.563	1.000033779 -0° 26' 54.88677"

Clay County Control Points SW



CLAY 13

THIS STATION IS LOCATED APPROXIMATELY 11 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND 10 MILES SOUTH OF MIDDLEBURG, FLORIDA.

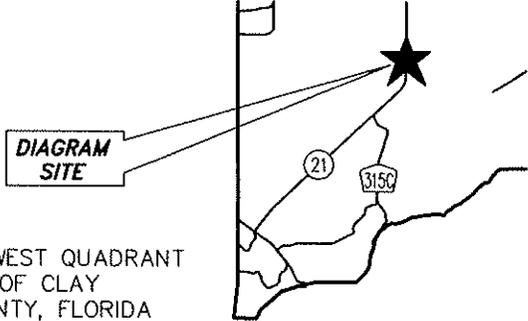
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.6 MILES ON STATE ROAD NO. 21 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 48± FEET WESTERLY OF CENTERLINE OF STATE ROAD NO. 21 AND 13± FEET EASTERLY OF A WITNESS POST.

REFERENCES

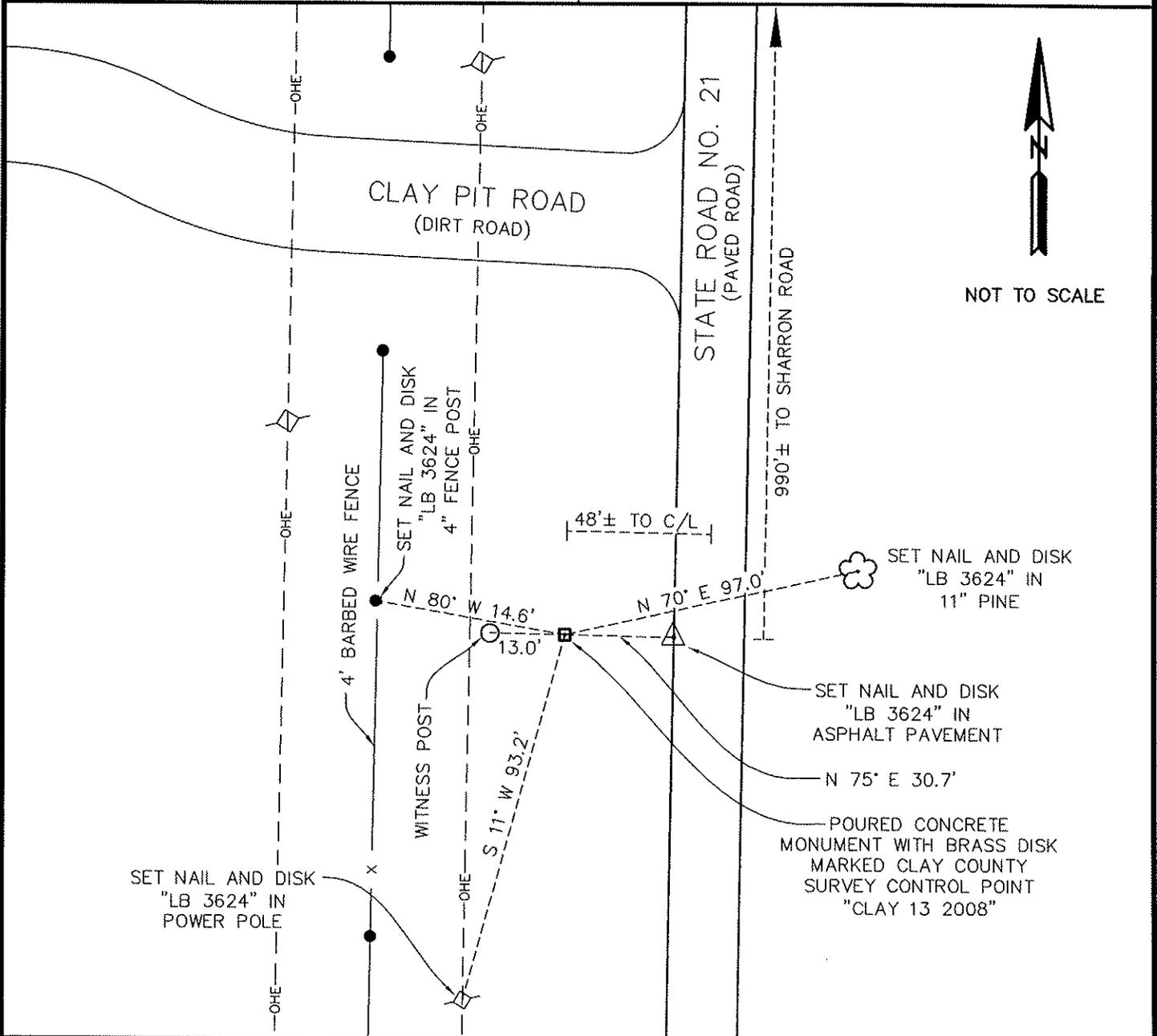
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 75° EAST AT 30.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 4" FENCE POST, NORTH 80° WEST AT 14.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 11° WEST AT 93.2 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 11" PINE, NORTH 70° EAST AT 97.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 13
DESC. BY: K. BAILEY	STAMPING: CLAY 13 2008	YEAR SET: 2008
SEC: 3 TWP: 7S RGE: 24E	USGS QUAD NAME: KINGSLEY	F.B.-PG: X1464-15



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2028516.54 FEET
EASTING: 371810.46 FEET
LATITUDE: 29° 54' 38.04698" N
LONGITUDE: 81° 53' 51.04741" W
CONVERGENCE: -00° 26' 51.25468"
SCALE FACTOR: 1.000033826
NEAREST INTERVISIBLE STATION: CLAY 14



CLAY 14

THIS STATION IS LOCATED APPROXIMATELY 12 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 10 MILES SOUTH OF MIDDLEBURG, FLORIDA.

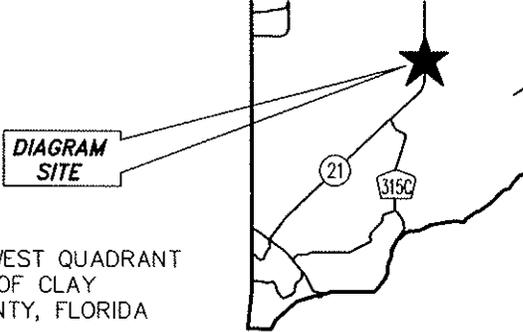
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315) AND TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 33± FEET WESTERLY OF CENTERLINE OF STATE ROAD NO. 21 AND IS 4.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 75° EAST AT 16.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 14" PINE, NORTH 65° EAST AT 116.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 11" MAPLE, SOUTH 38° EAST AT 117.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #63654781, NORTH 80° WEST AT 14.2 FEET.

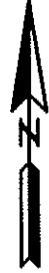
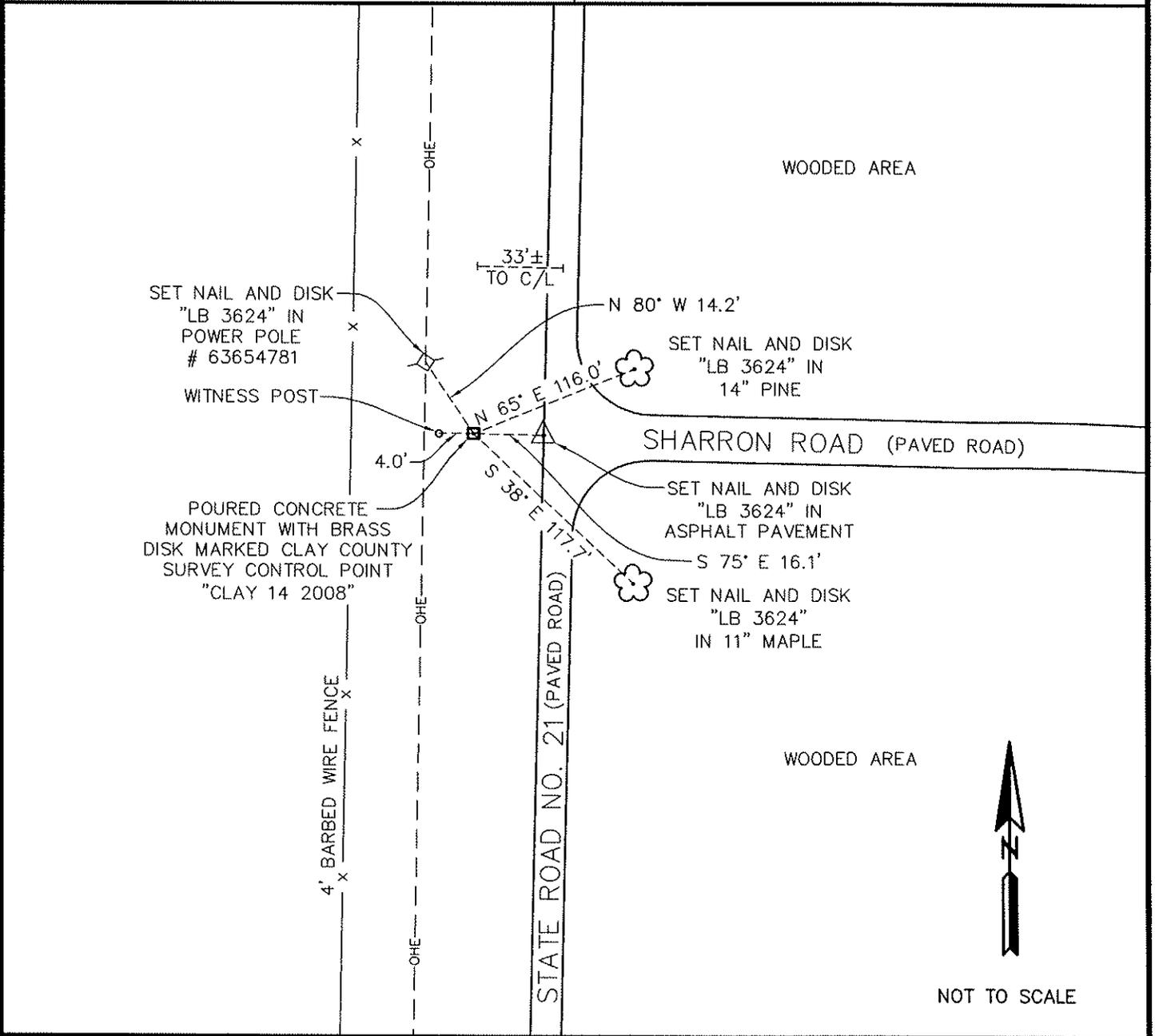
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 14
DESC. BY: K. BAILEY	STAMPING: CLAY 14 2008	YEAR SET: 2008
SEC: 4 TWP: 7S RGE: 24E	USGS QUAD NAME: KINGSLEY	F.B.-PG: X1464-16



SOUTHWEST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 618593.953 FEET
EASTING: 371849.60 FEET
LATITUDE: 29° 54' 47.82060" N
LONGITUDE: 81° 53' 50.69030" W
CONVERGENCE: -00° 26' 51.20927"
SCALE FACTOR: 1.00003380
NEAREST INTERVISIBLE STATION: CLAY 13



NOT TO SCALE

CLAY 15

THE STATION IS LOCATED APPROXIMATELY 12 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). PROCEED SOUTHEASTERLY 1.9 MILES ON SHARRON ROAD (COUNTY ROAD NO. 315) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 20± FEET WESTERLY OF THE CENTERLINE OF SHARRON ROAD (COUNTY ROAD NO. 315) AND 4.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 75° EAST AT 10.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE NO. 646513F1, SOUTH 60° EAST AT 61.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 17" OAK, SOUTH 35° WEST AT 56.1 FEET.
- 4) BRICK MAILBOX, NORTH 17° EAST AT 42.3 FEET.

CLAY 16

THE STATION IS LOCATED APPROXIMATELY 12 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

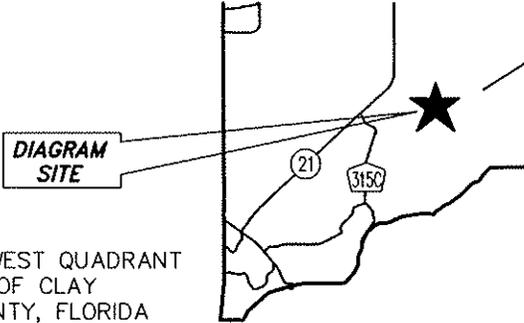
TO REACH THIS STATION COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 1.8 MILES ON SHARRON ROAD (COUNTY ROAD NO. 315) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 19± FEET WESTERLY OF THE CENTERLINE OF SHARRON ROAD (COUNTY ROAD NO. 315) AND 4.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

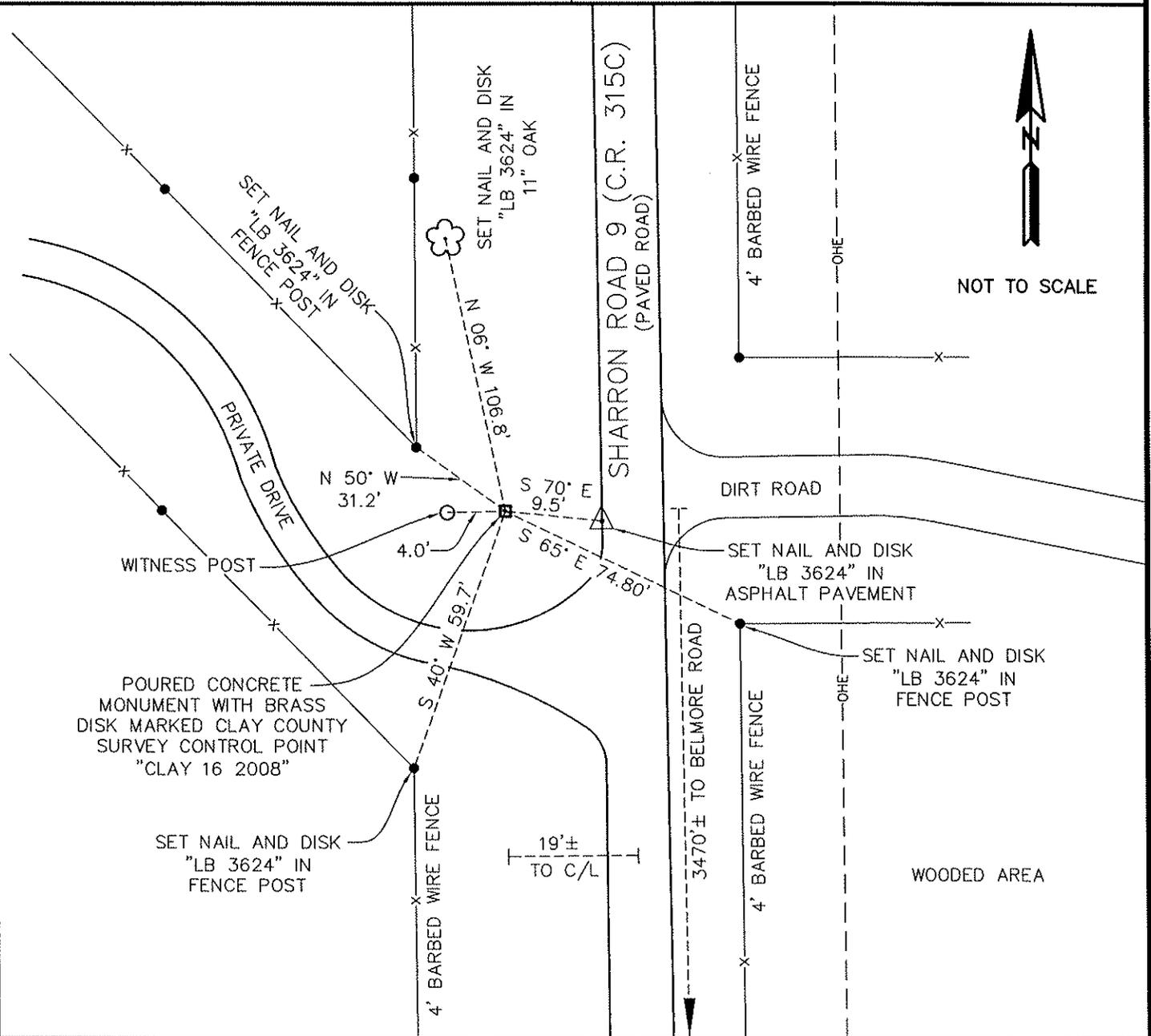
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 70° EAST AT 9.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 65° EAST AT 74.8 FEET.
- 3) SET NAIL AND DISK (LBE 3624) IN FENCE POST, SOUTH 40° WEST AT 59.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 50° WEST AT 31.2 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN 11" OAK, NORTH 06° WEST AT 106.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 16
DESC. BY: K. BAILEY	STAMPING: CLAY 16 2008	YEAR SET: 2008
SEC: 3 TWP: 4S RGE: 23E	USGS QUAD NAME: FIFTEONE	F.B.-PG: X1464-18



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2025050.46 FEET
EASTING: 378424.46 FEET
LATITUDE: 29° 54' 04.24464" N
LONGITUDE: 81° 52' 35.60170" W
CONVERGENCE: -00° 26' 13.17869"
SCALE FACTOR: 1.000029566
NEAREST INTERVISIBLE STATION: CLAY 15



CLAY 17

THE STATION IS LOCATED APPROXIMATELY 9 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 12 MILES SOUTHWEST OF MIDDLEBURG, FLORIDA.

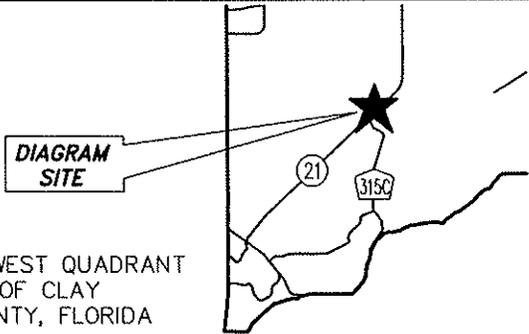
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.5 MILES ON STATE ROAD NO. 21 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS POINT IS 31± FEET SOUTHEASTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 AND 4.0± FEET NORTHWESTERLY OF A WITNESS POST.

REFERENCES

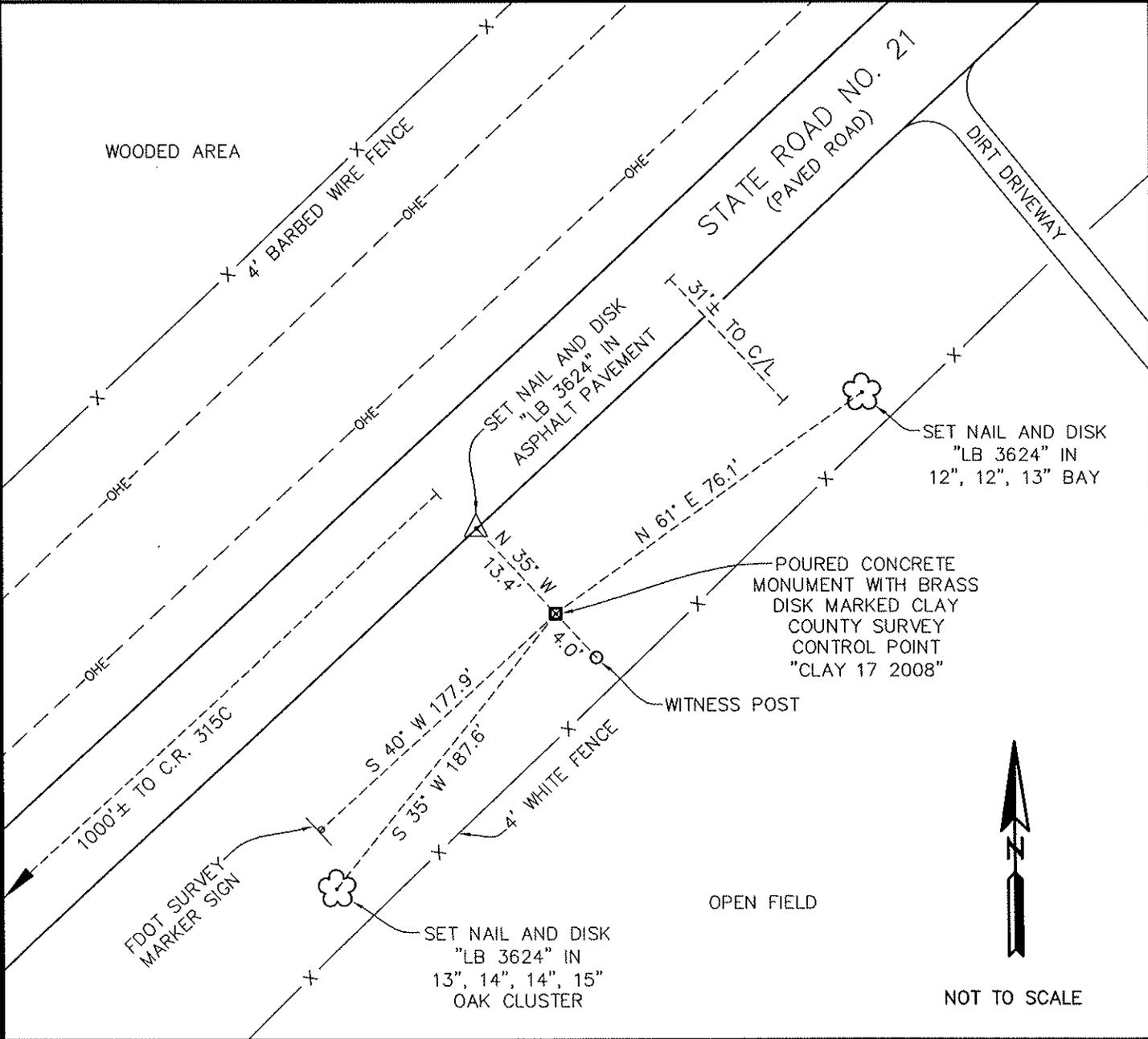
- 1) SET NAIL AND DISK (LB 3624) IN 12", 12" AND 13" BAY, NORTH 61° EAST AT 76.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 35° WEST AT 13.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 13", 14", 14" AND 15" OAK CLUSTER, SOUTH 35° WEST AT 187.6 FEET.
- 4) FOUND FDOT SURVEY MARKER SIGN, SOUTH 40° WEST AT 177.9 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 17
DESC. BY: K. BAILEY	STAMPING: CLAY 17 2008	YEAR SET: 2008
SEC: 20 TWP: 7S RGE: 24E	USGS QUAD NAME: KINGSLEY	F.B.-PG: X1464-20



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2017176.38 FEET
EASTING: 363311.29 FEET
LATITUDE: 29° 52' 45.13478" N
LONGITUDE: 81° 55' 26.57461" W
CONVERGENCE: -00° 27' 37.31953"
SCALE FACTOR: 1.000039448
NEAREST INTERVISIBLE STATION: CLAY 18



NOT TO SCALE

CLAY 18

THE STATION IS LOCATED APPROXIMATELY 8 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 12 MILES SOUTHWEST OF MIDDLEBURG, FLORIDA.

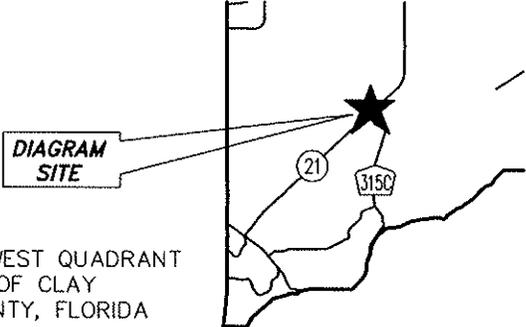
TO REACH THIS STATION, COMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 23± FEET NORTHWESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 AND 4.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

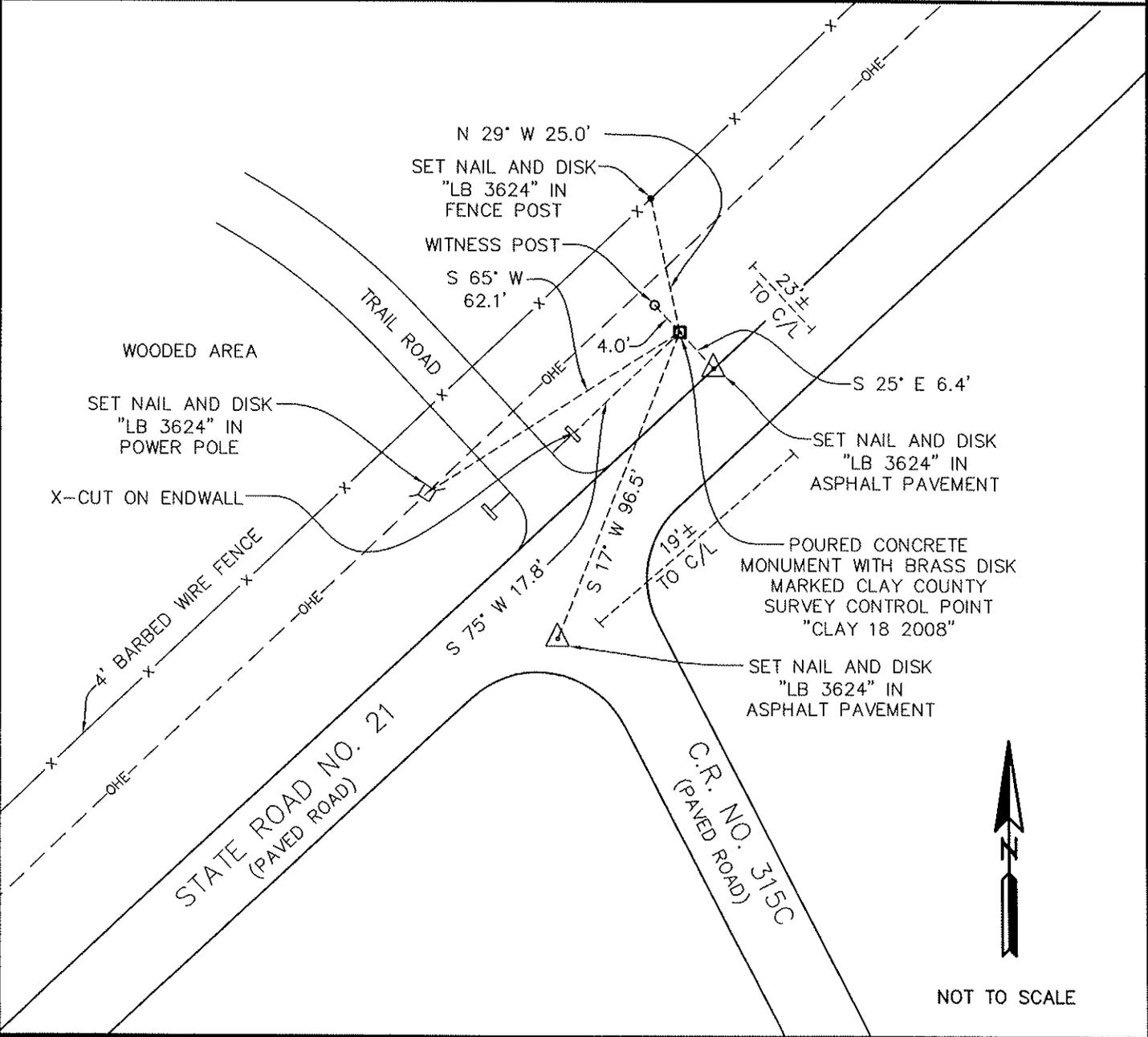
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 25° EAST AT 6.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 17° WEST AT 96.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 29° WEST AT 25.0 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 65° WEST AT 62.1 FEET.
- 5) SET X-CUT IN CONCRETE ENDWALL, SOUTH 75° WEST AT 17.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 18
DESC. BY: K. BAILEY	STAMPING: CLAY 18 2008	YEAR SET: 2008
SEC: 20 TWP: 7S RGE: 24E	USGS QUAD NAME: KINGSLEY	F.B.-PG: X1464-19



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2016550.31 FEET
EASTING: 362545.07 FEET
LATITUDE: 29° 52' 38.87568 N
LONGITUDE: 81° 55' 35.22000" W
CONVERGENCE: -00° 27' 41.53955"
SCALE FACTOR: 1.000039962
NEAREST INTERVISIBLE STATION: CLAY 17



CLAY 19

THIS STATION IS LOCATED APPROXIMATELY 7 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 15 MILES SOUTH OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 2.9 MILES ON COUNTY ROAD 315C TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 36± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD 315C, 216± FEET SOUTHERLY OF THE CENTERLINE OF INDIAN TRAIL AND 4.1± FEET WESTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 66° WEST AT 24.2 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 15" PINE, NORTH 68° WEST AT 74.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 26° EAST AT 157.4 FEET.

CLAY 20

THIS STATION IS LOCATED APPROXIMATELY 7 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 15 MILES SOUTH OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 3.1 MILES ON COUNTY ROAD 315C TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 32± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD 315C, 81± FEET SOUTHERLY OF NATURE DRIVE AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCE

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 75° WEST AT 20.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 70° EAST AT 8.2 FEET.
- 3) FOUND 6" X 6" CONCRETE MONUMENT, NORTH 45° EAST AT 33.6 FEET.

CLAY 20

THIS STATION IS LOCATED APPROXIMATELY 7 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 15 MILES SOUTH OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 3.1 MILES ON COUNTY ROAD 315C TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 32± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD 315C, 81± FEET SOUTHERLY OF NATURE DRIVE AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCE

- 1) NAIL AND DISK (LB 3624), SET IN ASPHALT PAVEMENT, NORTH 75° WEST AT 20.7 FEET.
- 2) NAIL AND DISK (LB 3624), SET IN FENCE POST, SOUTH 70° EAST AT 8.2 FEET.
- 3) 6" X 6" CONCRETE MONUMENT, NORTH 45° EAST AT 33.6 FEET.

CLAY 21

THIS STATION IS LOCATED APPROXIMATELY 9 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA, AND APPROXIMATELY 16 MILES SOUTH OF MIDDLEBURG, FLORIDA.

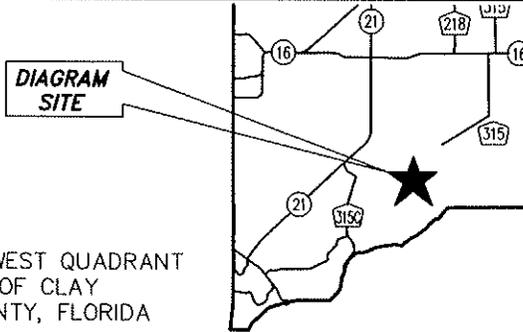
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 2.9 MILES ON COUNTY ROAD NO. 315C TO INDIAN TRAIL. THENCE PROCEED EASTERLY 2.3 MILES ON INDIAN TRAIL TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 24± FEET SOUTHERLY OF THE CENTERLINE OF INDIAN TRAIL AND 4.0± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN 11" PINE, SOUTH 83° WEST AT 68.2 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 57° EAST AT 173.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 60° WEST AT 147.0 FEET.
- 4) SET 5/8" REBAR WITH WITNESS CAP (LB 3624) NORTH 35° EAST AT 47.0 FEET.

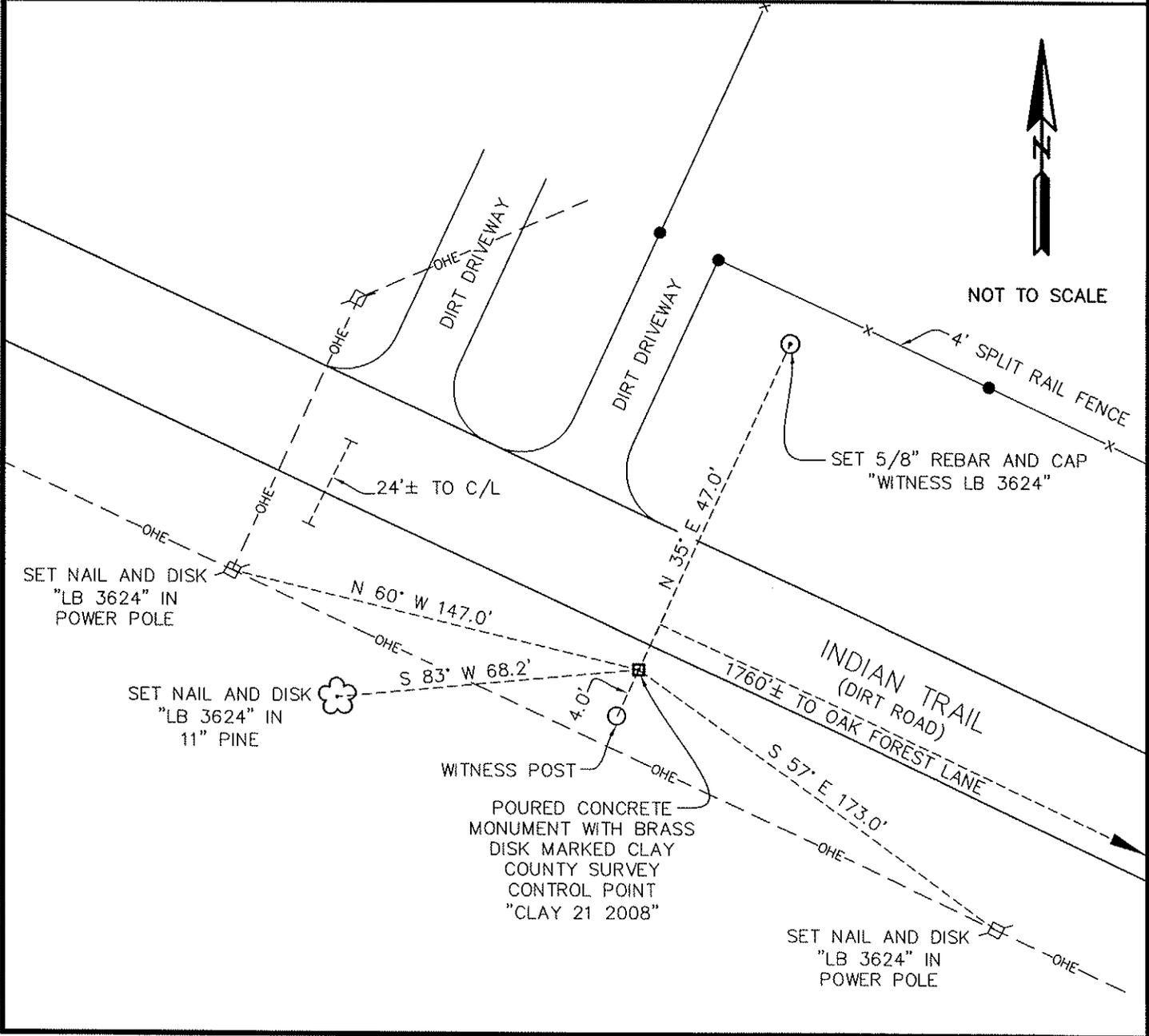
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 21
DESC. BY: K. BAILEY	STAMPING: CLAY 21 2008	YEAR SET: 2008
SEC: 3 TWP: 8S RGE: 24E	USGS QUAD NAME: GOLD HEAD BRANCH	F.B.-PG: X1464-24



SOUTHWEST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1998444.29 FEET
EASTING: 374591.39 FEET
LATITUDE: 29° 49' 40.60077" N
LONGITUDE: 81° 53' 16.81437" W
CONVERGENCE: -00° 26' 30.18359"
SCALE FACTOR: 1.000032024
NEAREST INTERVISIBLE STATION: CLAY 22



CLAY 22

THIS STATION IS LOCATED APPROXIMATELY 9 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA, AND APPROXIMATELY 16 MILES SOUTH OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 2.9 MILES ON COUNTY ROAD NO. 315C TO INDIAN TRAIL. THENCE PROCEED EASTERLY 2.4 MILES ON INDIAN TRAIL TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 27± FEET SOUTHERLY OF THE CENTERLINE OF INDIAN TRAIL AND 3.0± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN 11" PINE, NORTH 80° EAST AT 77.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 10" TURKEY OAK, NORTH 02° EAST AT 55.9 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 10" TURKEY OAK, SOUTH 05° EAST AT 45.2 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #05660, NORTH 65° WEST AT 58.6 FEET.

CLAY 25

THIS STATION IS LOCATED APPROXIMATELY 7 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA, AND APPROXIMATELY 16 MILES SOUTH OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 4.6 MILES ON COUNTY ROAD NO. 315C TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 32± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 315C AND 2.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° EAST AT 10.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN SIDEWALK, NORTH 80° WEST AT 19.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 45° EAST AT 106.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 25° EAST AT 121.8 FEET.

CLAY 26

THIS STATION IS LOCATED APPROXIMATELY 7 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 16 MILES SOUTH OF MIDDLEBURG, FLORIDA.

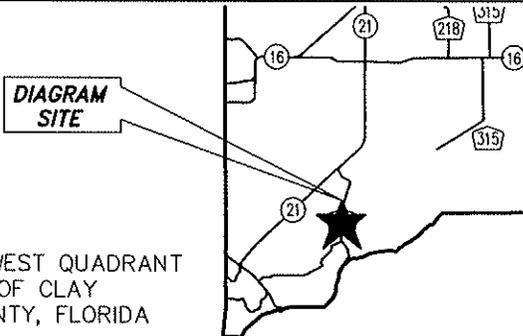
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 4.9 MILES ON COUNTY ROAD NO. 315C TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 30± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 315C AND 2.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

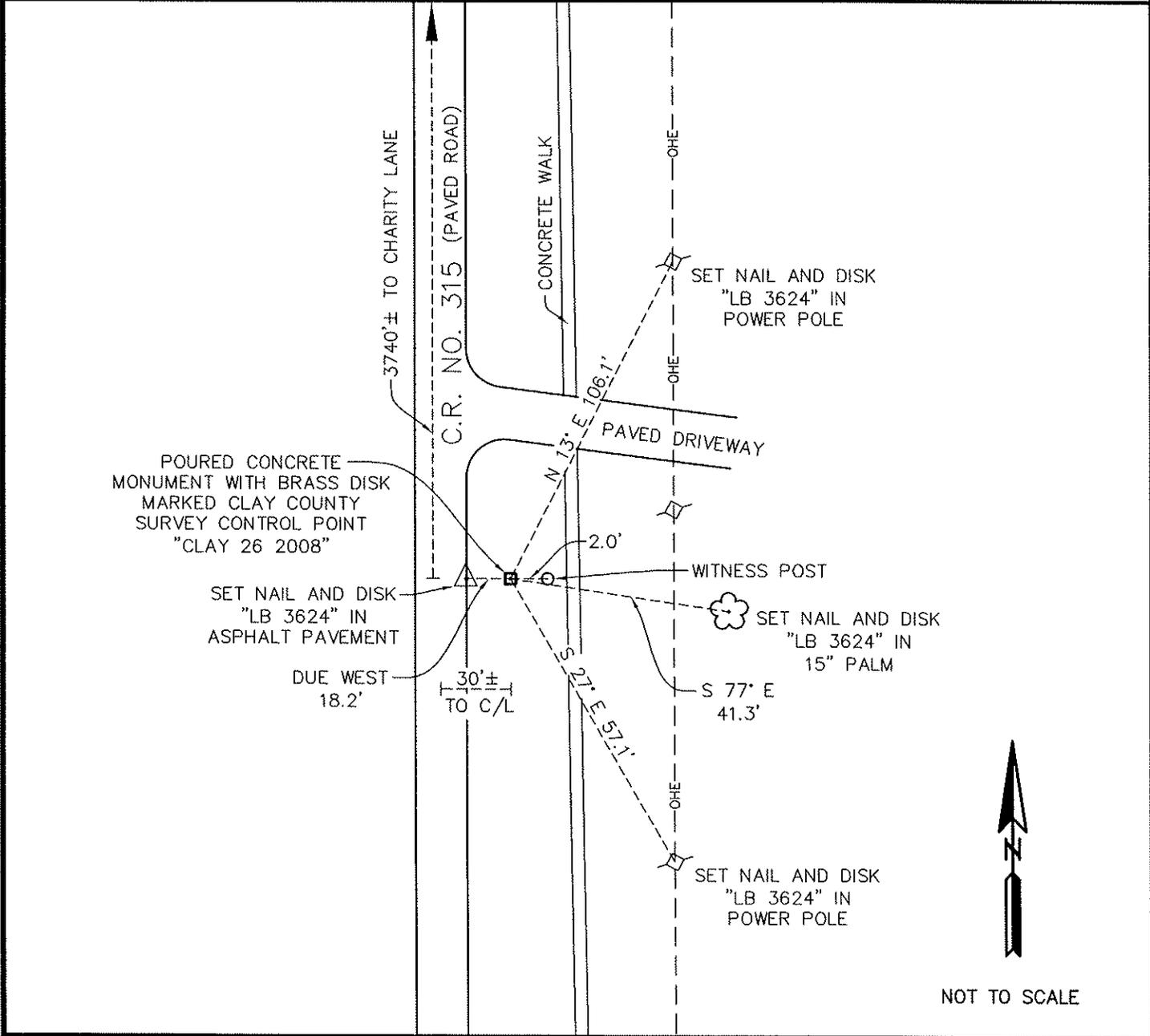
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 18.20 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 13° EAST AT 106.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 27° EAST AT 57.1 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 15" PALM TREE, SOUTH 77° EAST AT 41.3 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 26
DESC. BY: K. BAILEY	STAMPING: CLAY 26 2008	YEAR SET: 2008
SEC: 8 TWP: 8S RGE: 24E	USGS QUAD NAME: GOLD HEAD BRANCH	F.B.-PG: X1464-28



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1993264.22 FEET
EASTING: 363702.41 FEET
LATITUDE: 29° 48' 48.48069" N
LONGITUDE: 81° 55' 19.95660" W
CONVERGENCE: -00° 27' 30.71803"
SCALE FACTOR: 1.000039187
NEAREST INTERVISIBLE STATION: CLAY 25



CLAY 27

THE STATION IS LOCATED APPROXIMATELY 4 MILES EAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

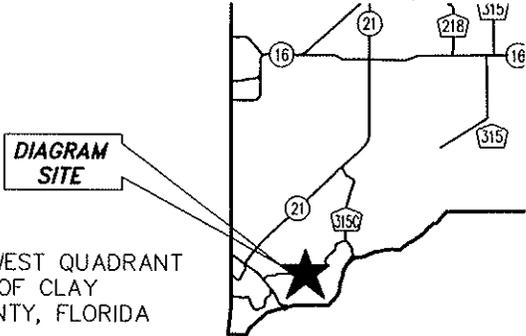
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF COUNTY ROAD NO. 214 EAST AND STATE ROAD NO. 100 IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 3.2 MILES ON COUNTY ROAD NO. 214 EAST TO MONONGAHELA AVENUE AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 41± FEET NORTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 214 EAST, 35± FEET WESTERLY OF MONONGAHELA AVENUE, AND 3.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 80° EAST AT 23.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 15° EAST AT 26.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 63° WEST AT 122.0 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 82° EAST AT 71.9 FEET.

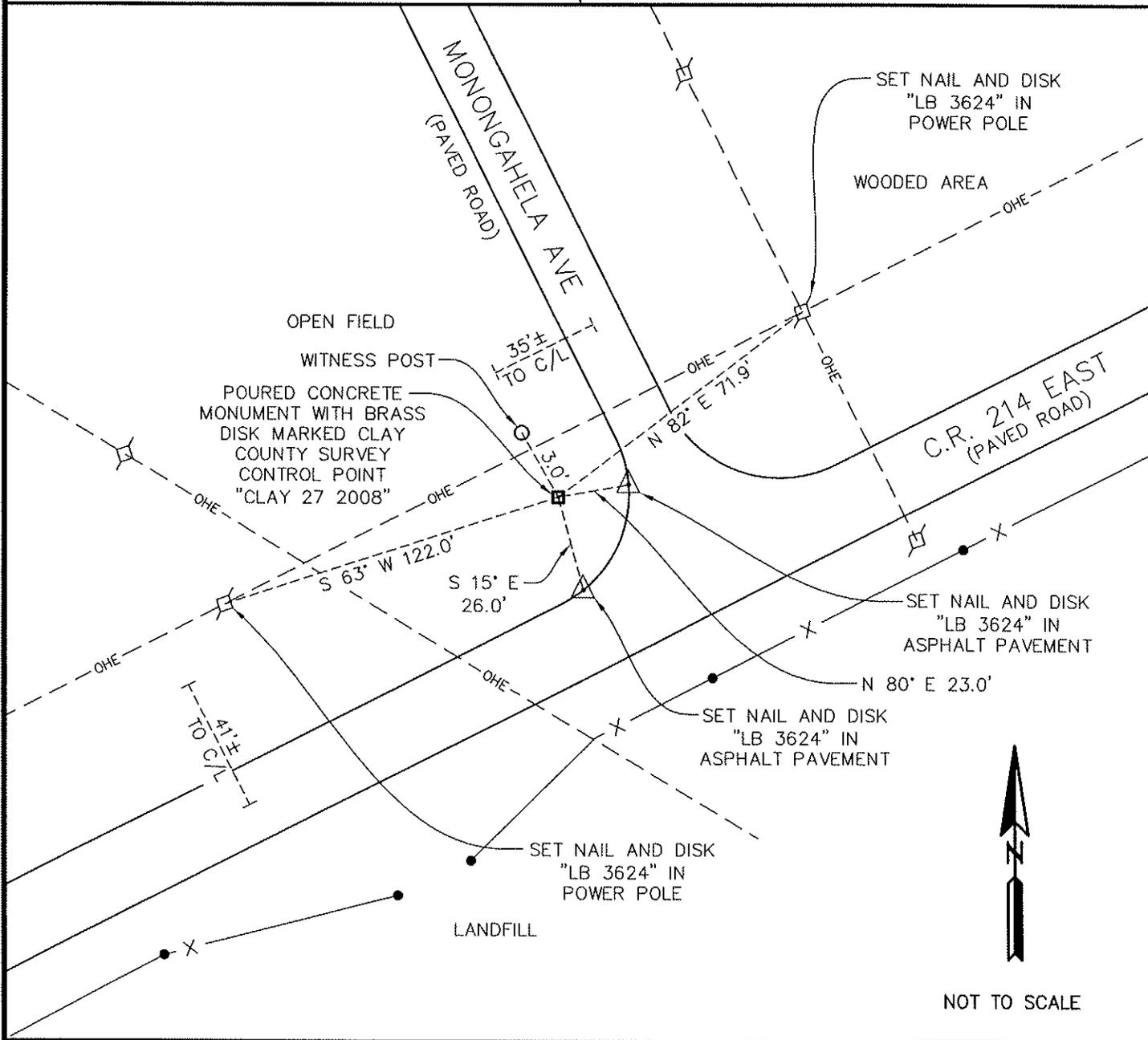
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 27
DESC. BY: K. BAILEY	STAMPING: CLAY 27 2008	YEAR SET: 2008
SEC: 24 TWP: 8S RGE: 23E	USGS QUAD NAME: GOLD HEAD BRANCH	F.B.-PG: X1464-31



SOUTHWEST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1980478.72 FEET
EASTING: 351757.13 FEET
LATITUDE: 29° 46' 40.96316" N
LONGITUDE: 81° 57' 34.33212" W
CONVERGENCE: -00° 28' 35.68707"
SCALE FACTOR: 1.000047357
NEAREST INTERVISIBLE STATION: CLAY 28



NOT TO SCALE

CLAY 28

THE STATION IS LOCATED APPROXIMATELY 4 MILES EAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF COUNTY ROAD NO. 214 EAST AND STATE ROAD NO. 100 IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 3.2 MILES ON COUNTY ROAD NO. 214 EAST TO MONONGAHELA AVENUE. THENCE PROCEED NORTHERLY 1600± FEET ON MONONGAHELA AVENUE TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 22± FEET EASTERLY OF THE CENTERLINE OF MONONGAHELA AVENUE AND 3.0± FEET SOUTHWESTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 65° WEST AT 13.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 20° WEST AT 75.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 25° EAST AT 116.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #156-1-4, NORTH 75° EAST AT 164.7 FEET.

CLAY 29

THE STATION IS LOCATED APPROXIMATELY 6 MILES EAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA

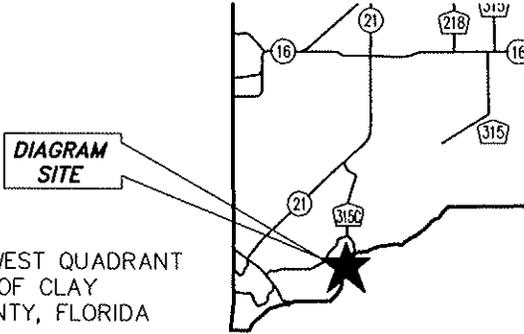
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 7.6 MILES ON COUNTY ROAD NO. 315C TO PAINTED PONY AVENUE AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 30± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 315C AND 3.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

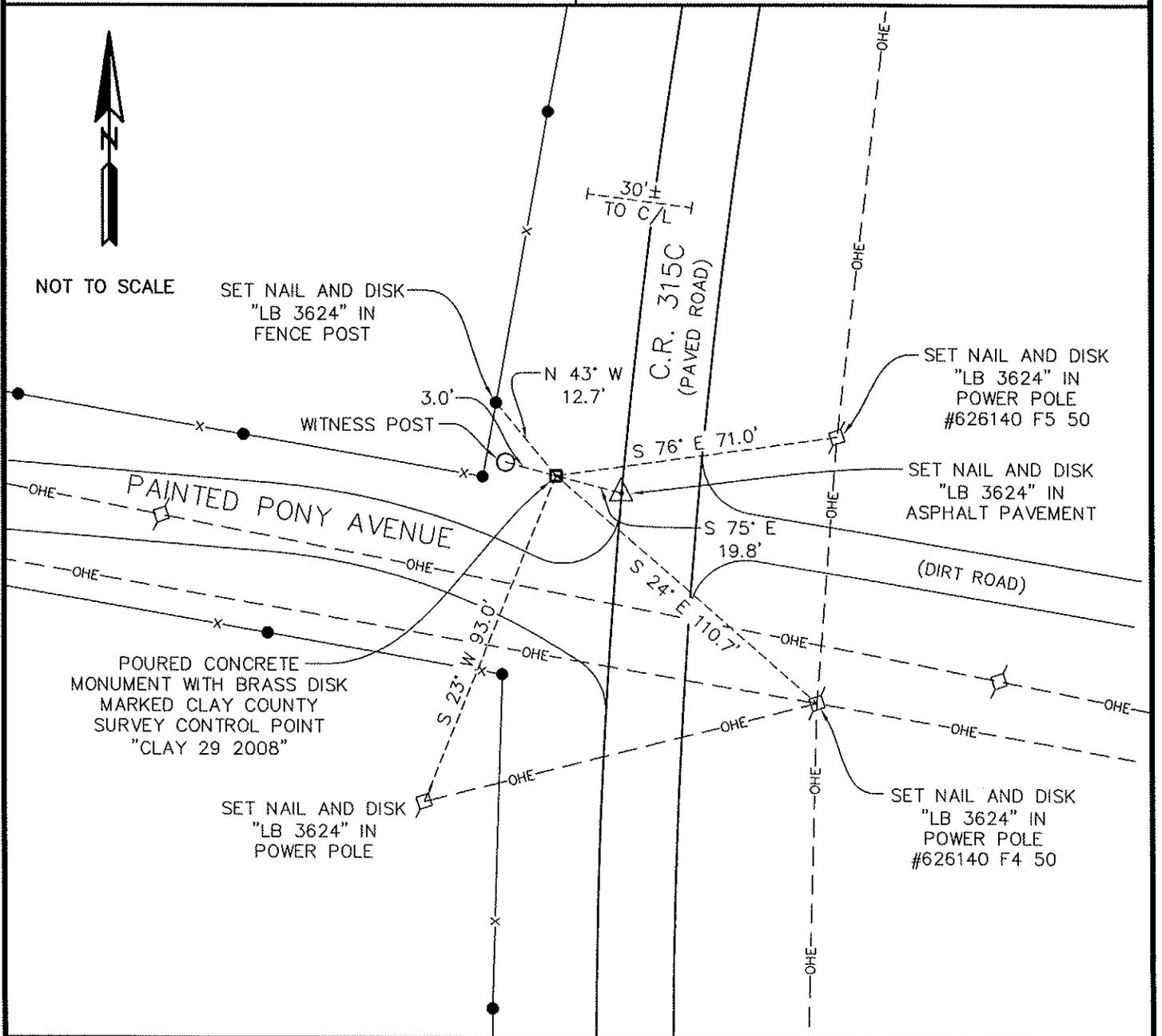
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 75° EAST AT 19.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE NO. 626140 F5 50, SOUTH 76° EAST AT 71.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE NO. 626140 F4 50, SOUTH 24° EAST AT 110.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 23° WEST AT 93.0 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 43° WEST AT 12.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 29
DESC. BY: K. BAILEY	STAMPING: CLAY 29 2008	YEAR SET: 2008
SEC: 20 TWP: 8S RGE: 24E	USGS QUAD NAME: GOLD HEAD BRANCH	F.B.-PG: X1464-32



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1980753.37 FEET
EASTING: 362568.76 FEET
LATITUDE: 29° 46' 44.55609" N
LONGITUDE: 81° 55' 31.68413" W
CONVERGENCE: -00° 27' 34.81276"
SCALE FACTOR: 1.000039949
NEAREST INTERVISIBLE STATION: CLAY 30



CLAY 30

THIS STATION IS LOCATED APPROXIMATELY 6 MILES EAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

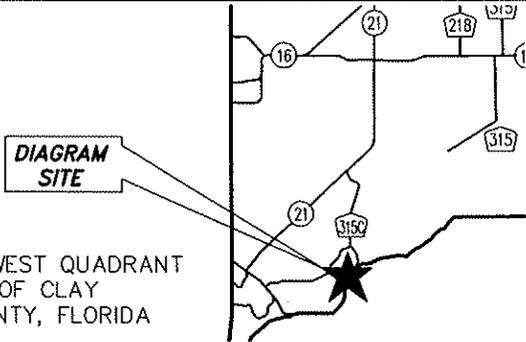
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 7.9 MILES ON COUNTY ROAD NO. 315C TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THE STATION IS 20± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 315C, 181± FEET NORTHERLY OF MALLARD ROAD, AND 3.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

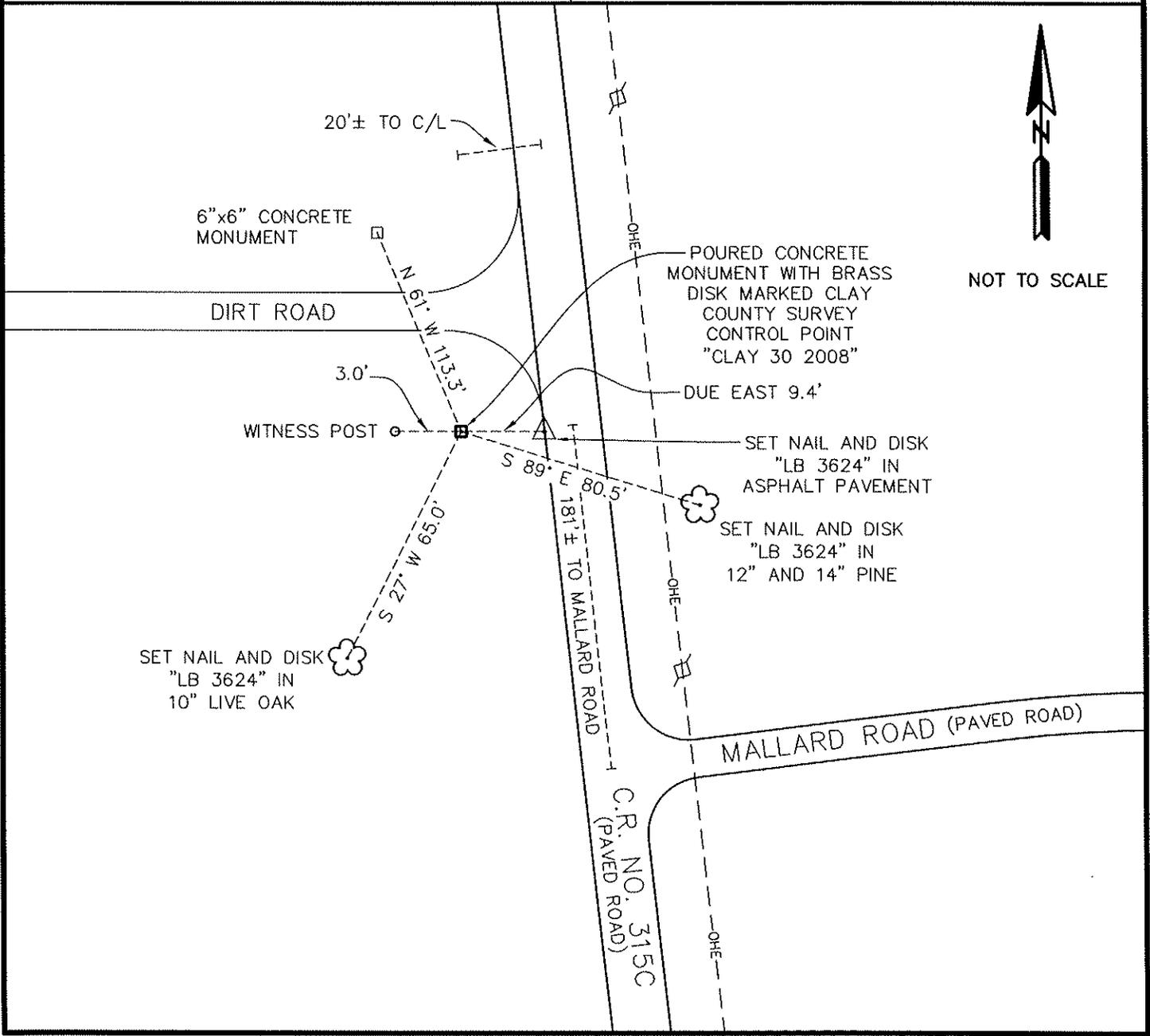
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 9.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 14" AND 12" PINE, SOUTH 89° EAST AT 80.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 10" LIVE OAK, SOUTH 27° WEST AT 65.0 FEET.
- 4) FOUND 6" X 6" CONCRETE MONUMENT, NORTH 61° WEST AT 113.3 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 30
DESC. BY: K. BAILEY	STAMPING: CLAY 30 2008	YEAR SET: 2008
SEC: 29 TWP: 8S RGE: 24E	USGS QUAD NAME: GOLD HEAD BRANCH	F.B.-PG: X1464-33



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1979324.54 FEET
EASTING: 362706.79 FEET
LATITUDE: 29° 46' 30.42421" N
LONGITUDE: 81° 55' 29.98796" W
CONVERGENCE: -00° 27' 33.77215"
SCALE FACTOR: 1.000039856
NEAREST INTERVISIBLE STATION: CLAY 29



CLAY 31

THE STATION IS LOCATED APPROXIMATELY 2 MILES SOUTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

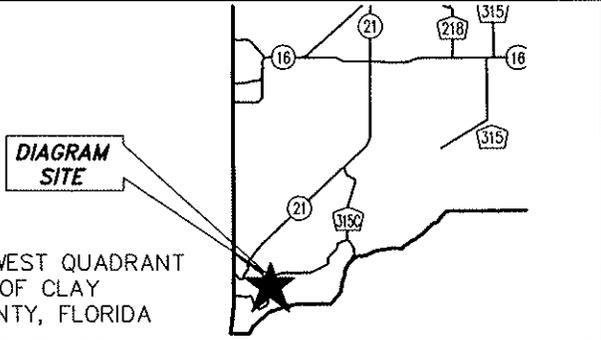
TO REACH THIS STATION, COMMENCE FROM THE INTERSECTION OF STATE ROAD NO. 100 AND COUNTY ROAD NO. 214 EAST IN CLAY COUNTY FLORIDA. PROCEED 0.7 MILES SOUTHEASTERLY ON STATE ROAD NO. 100 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 37± FEET EASTERLY OF THE CENTERLINE OF STATE ROAD NO. 100, 300± FEET NORTHWESTERLY OF TWIN LAKES ROAD AND 4.9± FEET SOUTHWESTERLY OF A WITNESS POST.

REFERENCES

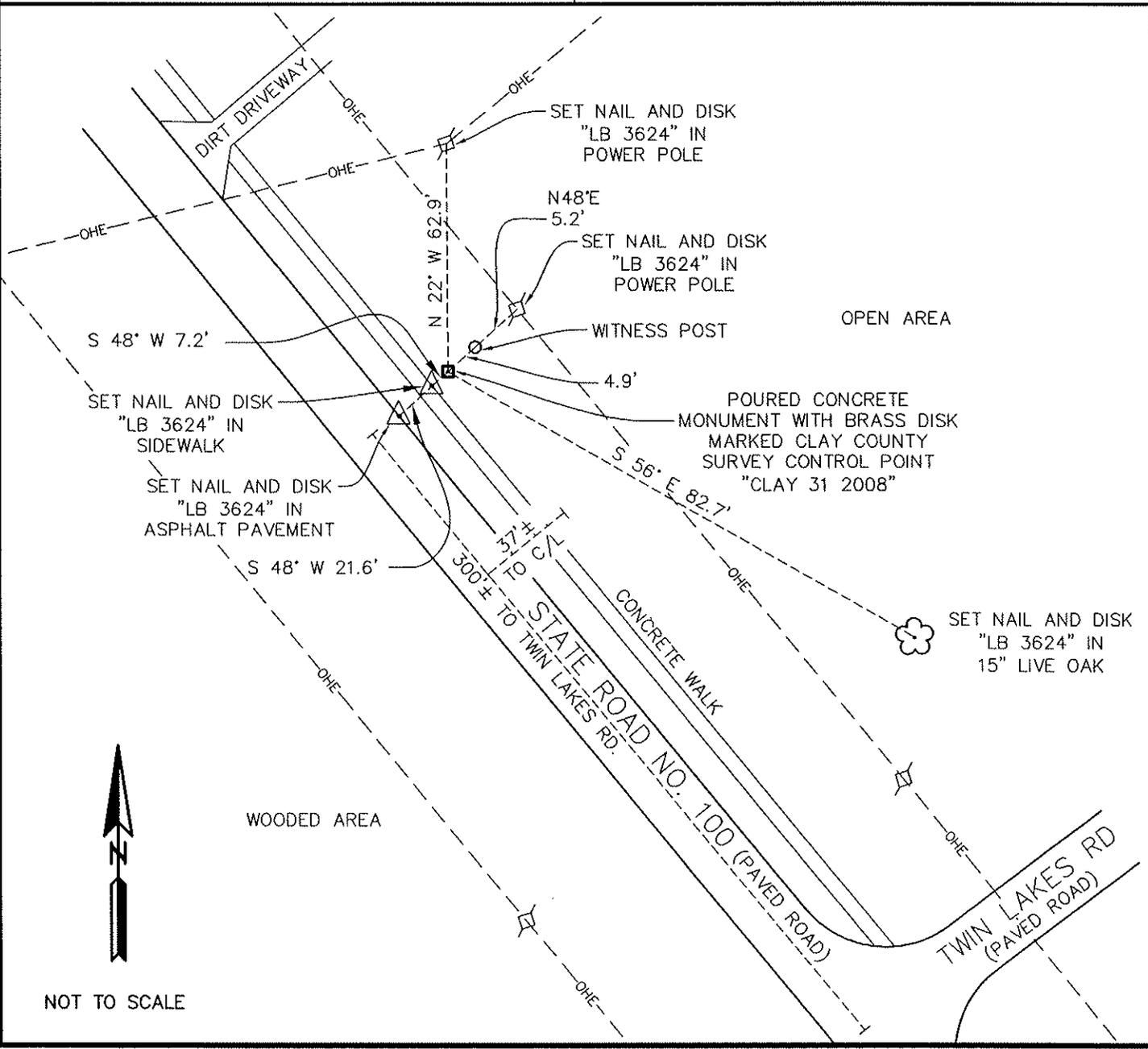
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 48° WEST AT 21.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN SIDEWALK, SOUTH 48° WEST AT 7.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 22° WEST AT 62.9 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #60600445050, NORTH 48° EAST AT 5.2 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN 15" LIVE OAK, SOUTH 56° EAST AT 82.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 31
DESC. BY: K. BAILEY	STAMPING: CLAY 31 2008	YEAR SET: 2008
SEC: 28 TWP: 8S RGE: 23E	USGS QUAD NAME: KEYSTONE HEIGHTS	F.B.-PG: X1464-34



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1975198.81 FEET
EASTING: 337757.27 FEET
LATITUDE: 29° 45' 47.52360" N
LONGITUDE: 82° 00' 12.65666" W
CONVERGENCE: -0° 29' 53.52278"
SCALE FACTOR: 1.000057349
NEAREST INTERVISIBLE STATION: CLAY 32



NOT TO SCALE

CLAY 32

THE STATION IS LOCATED APPROXIMATELY 2 MILES SOUTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

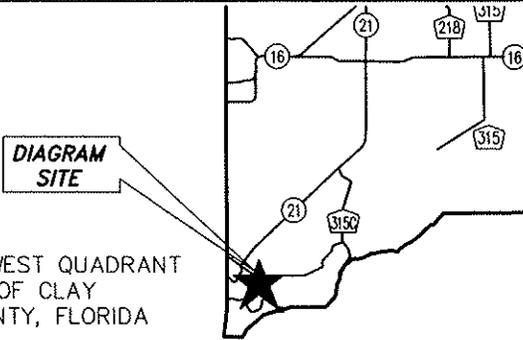
TO REACH THIS STATION, COMMENCE FROM THE INTERSECTION OF STATE ROAD NO. 100 AND COUNTY ROAD NO. 214 EAST IN CLAY COUNTY FLORIDA. PROCEED 0.7 MILES SOUTHEASTERLY ON STATE ROAD NO. 100 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 36± FEET WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 100 AND 2.0± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

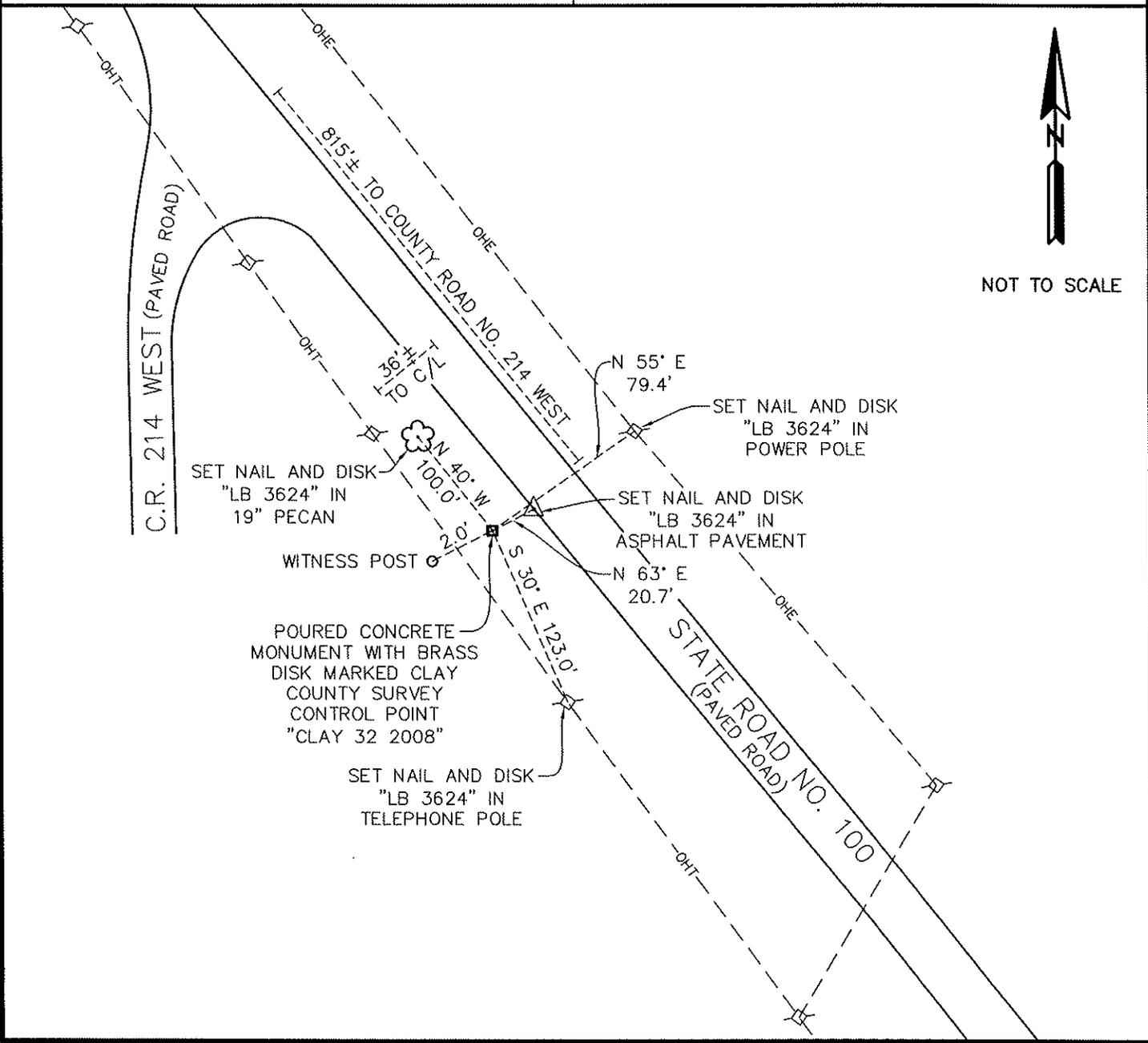
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 63° EAST AT 20.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN TELEPHONE POLE, SOUTH 30° EAST AT 123.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 55° EAST AT 79.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 19" PECAN, NORTH 40° WEST AT 100.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 32
DESC. BY: K. BAILEY	STAMPING: CLAY 32 2008	YEAR SET: 2008
SEC: 33 TWP: 8S RGE: 23E	USGS QUAD NAME: KEYSTONE HEIGHTS	F.B.-PG: X1464-35



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1974047.69 FEET
EASTING: 338602.73 FEET
LATITUDE: 29° 45' 36.20242" N
LONGITUDE: 82° 00' 02.95211" W
CONVERGENCE: -0° 29' 48.53248"
SCALE FACTOR: 1.000056733
NEAREST INTERVISIBLE STATION: CLAY 31



CLAY 33

THE STATION IS LOCATED APPROXIMATELY 1 MILE SOUTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 12 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

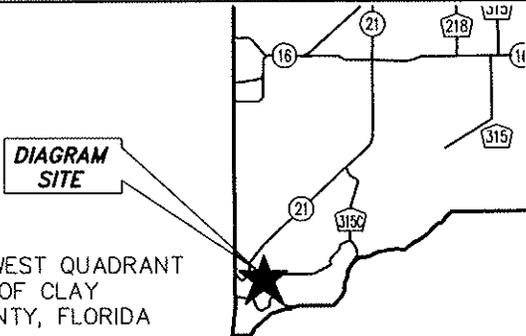
TO REACH THIS STATION COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 100 AND COUNTY ROAD NO. 214 EAST IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 140± FEET ON COUNTY ROAD NO. 214 EAST TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 26± FEET NORTHWESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 214 EAST AND 2.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

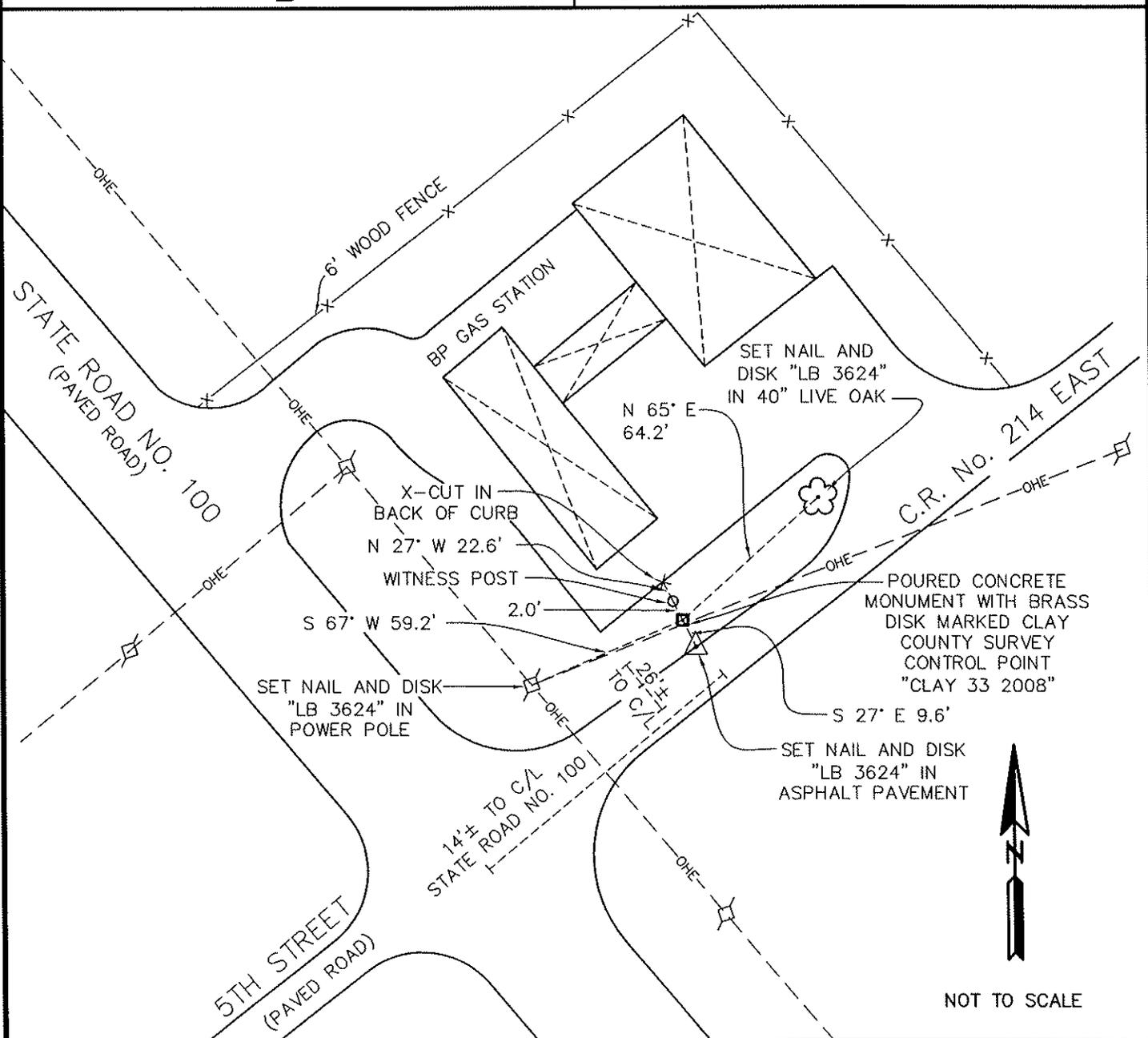
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 27° EAST AT 9.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 67° WEST AT 59.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 40" LIVE OAK, NORTH 65° EAST AT 64.2 FEET.
- 4) SET X-CUT IN BACK OF CURB, NORTH 27° WEST AT 22.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 33
DESC. BY: K. BAILEY	STAMPING: CLAY 33 2008	YEAR SET: 2008
SEC: 28 TWP: 8S RGE: 23E	USGS QUAD NAME: KEYSTONE HEIGHTS	F.B.-PG: X1464-36



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1978244.46 FEET
EASTING: 335417.15 FEET
LATITUDE: 29° 46' 17.46717" N
LONGITUDE: 82° 00' 39.50681" W
CONVERGENCE: -0° 30' 07.313433"
SCALE FACTOR: 1.000059062
NEAREST INTERVISIBLE STATION: CLAY 34



NOT TO SCALE

CLAY 34

THE STATION IS LOCATED APPROXIMATELY 1 MILE SOUTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 12 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

TO REACH THIS STATION COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 100 AND COUNTY ROAD NO. 214 EAST (BEING 5TH STREET HEADING SOUTHWEST). PROCEED SOUTHWESTERLY 825± FEET ON 5TH STREET TO ITS TERMINUS AT A BOAT RAMP AND TO THE STATION. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 2.0± FEET NORTHEASTERLY OF A WITNESS POST.

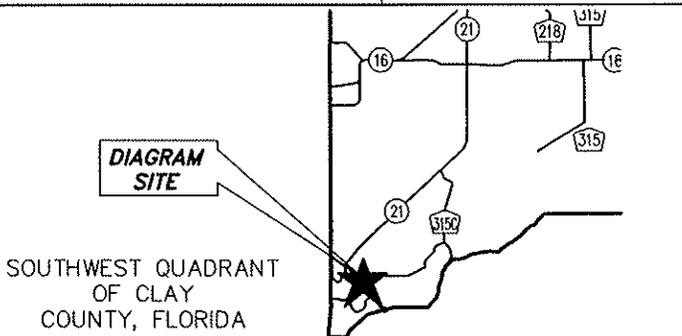
REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 56° EAST AT 38.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 10" POST ON BULKHEAD, SOUTH 43° EAST AT 12.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 10" POST ON BULKHEAD, SOUTH 50° WEST AT 9.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN RETENTION WALL OF BOAT RAMP, NORTH 50° WEST AT 45.7 FEET.

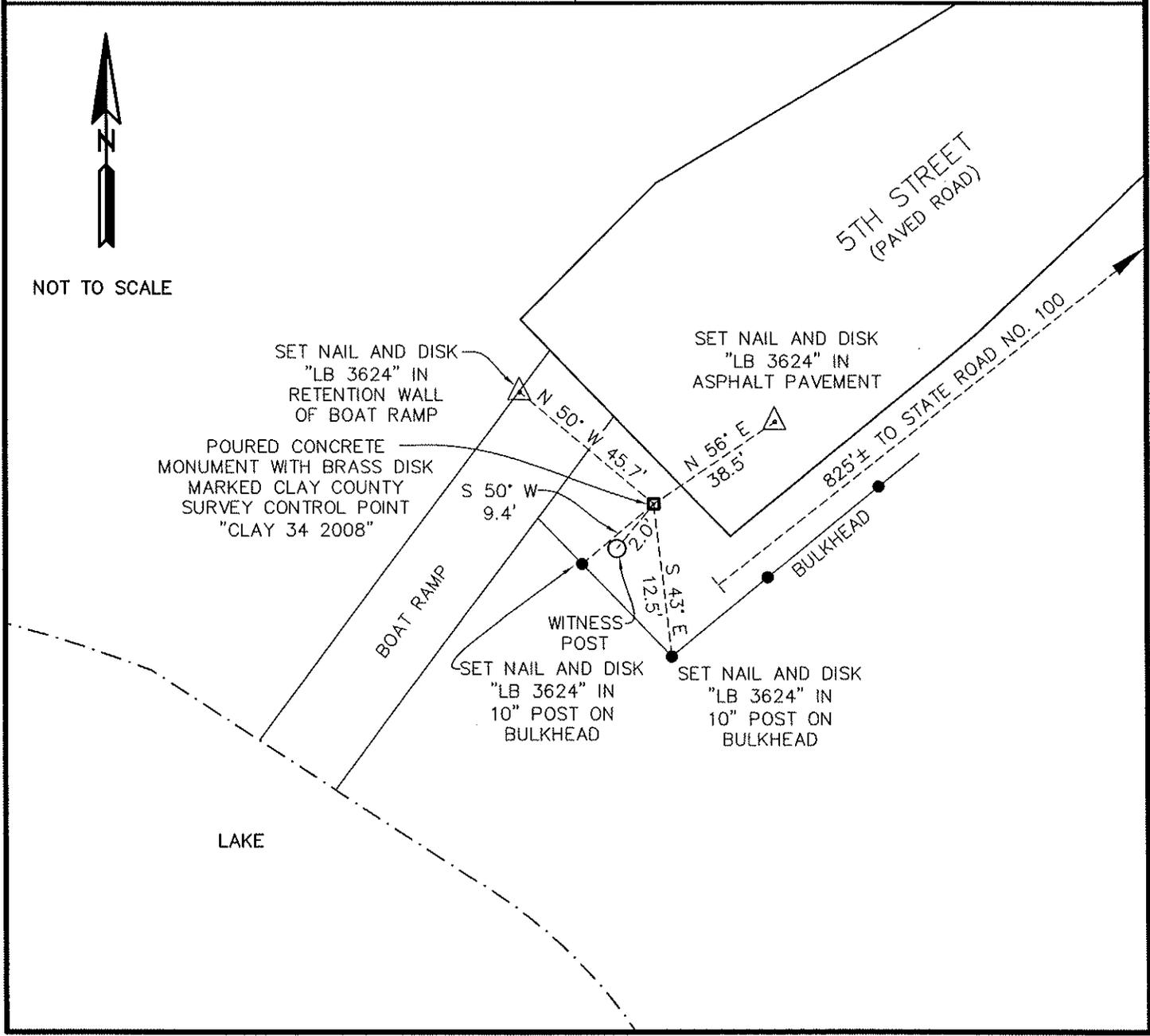
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 34
DESC. BY: K. BAILEY	STAMPING: CLAY 34 2008	YEAR SET: 2008
SEC: 28 TWP: 8S RGE: 23E	USGS QUAD NAME: KEYSTONE HEIGHTS	F.B.-PG: X1464-37

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1977604.65 FEET
EASTING: 334690.29 FEET
LATITUDE: 29° 46' 11.07126" N
LONGITUDE: 82° 00' 47.68968" W
CONVERGENCE: -0° 30' 11.27936"
SCALE FACTOR: 1.000059597
NEAREST INTERVISIBLE STATION: CLAY 33



NOT TO SCALE



CLAY 35

THE STATION IS LOCATED APPROXIMATELY 3 MILES SOUTHWEST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 AND STATE ROAD NO. 100 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 5.9 MILES ON STATE ROAD 21 TO HOLLY HILL ROAD AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 42± FEET NORTHERLY OF THE CENTERLINE OF HOLLY HILL ROAD, 32± FEET WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 AND 2.0± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 86° EAST AT 19.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT OF HOLLY HILL ROAD, SOUTH 04° EAST AT 31.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN CENTERLINE ASPHALT DRIVE, SOUTH 88° WEST AT 53.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #585951D51, SOUTH 85° EAST AT 80.5 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN 26" LIVE OAK TREE, SOUTH 12° WEST AT 76.9 FEET.
- 6) SET NAIL AND DISK (LB 3624) IN 13" LIVE OAK TREE, NORTH 40° WEST AT 151.1 FEET.

CLAY 36

THE STATION IS LOCATED APPROXIMATELY 3 MILES SOUTHWEST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF INTERLACHEN, FLORIDA.

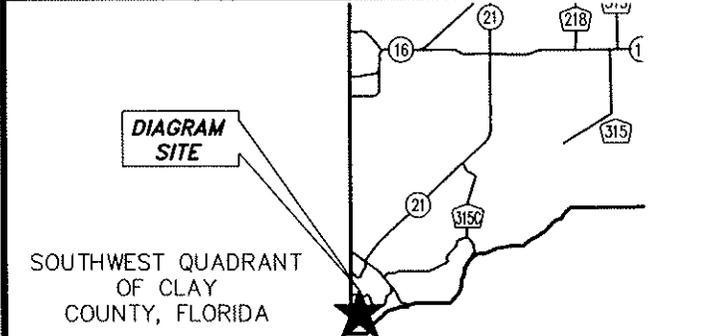
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 AND STATE ROAD NO. 100 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 6.1 MILES ON STATE ROAD NO. 21 TO LAKEVIEW ROAD AND TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 33± FEET EASTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 AND 12.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

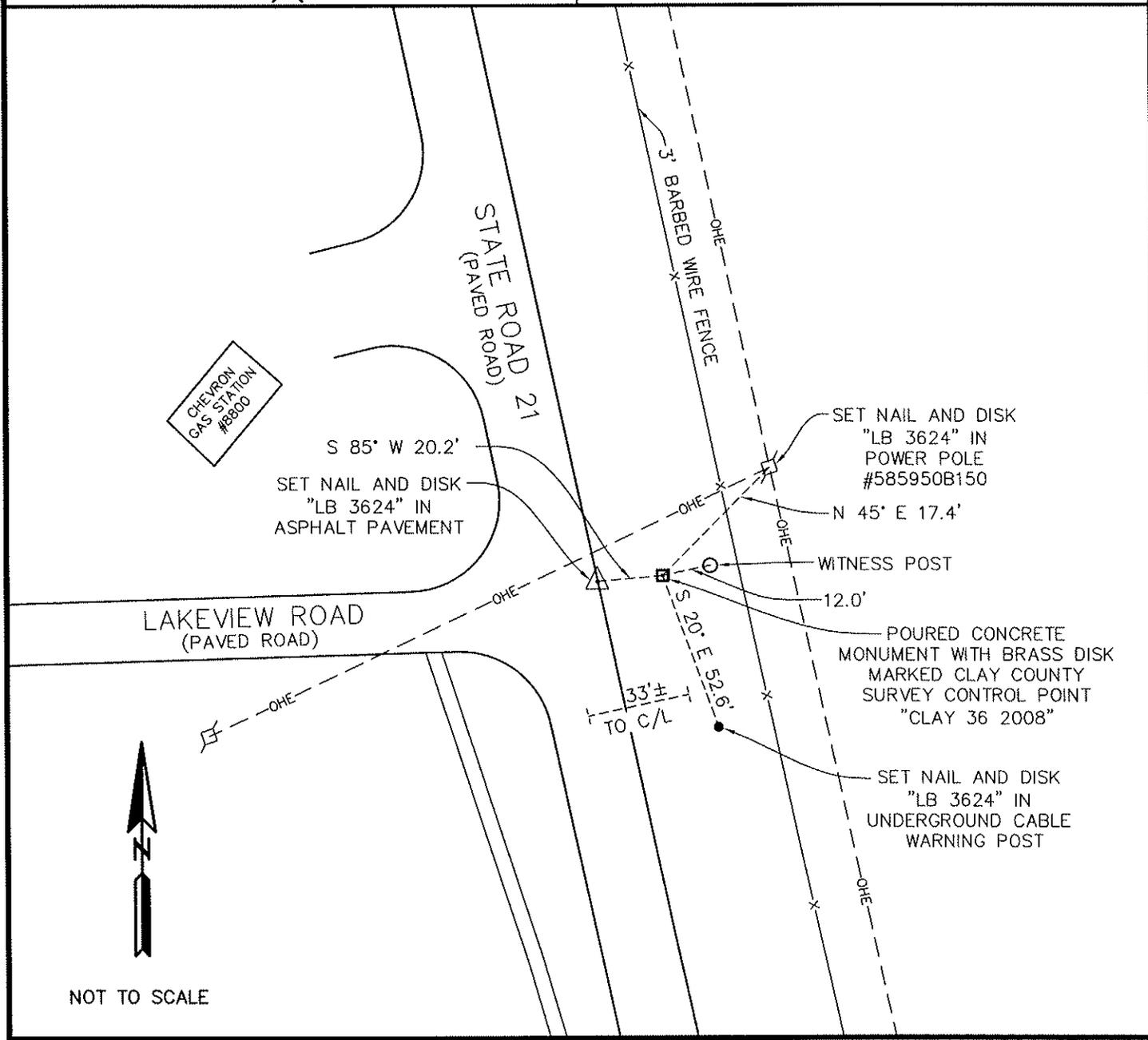
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 85° WEST AT 20.2 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE #585950B150, NORTH 45° EAST AT 17.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN UNDERGROUND CABLE WARNING POST, SOUTH 20° EAST AT 52.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 36
DESC. BY: K. BAILEY	STAMPING: CLAY 36 2008	YEAR SET: 2008
SEC: 7 TWP: 9S RGE: 23E	USGS QUAD NAME: MELROSE	F.B.-PG: X1464-39



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1959897.41 FEET
EASTING: 324270.83 FEET
LATITUDE: 29° 43' 14.88651" N
LONGITUDE: 82° 02' 44.08074" W
CONVERGENCE: -0° 31' 06.29201"
SCALE FACTOR: 1.00006740
NEAREST INTERVISIBLE STATION: CLAY 35



CLAY 37

THIS STATION IS LOCATED APPROXIMATELY 3 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES SOUTHEAST OF STARKE, FLORIDA.

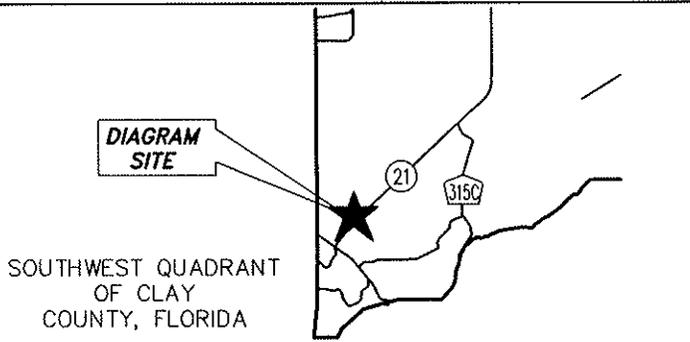
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 AND STATE ROAD NO. 100 IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 2.2 MILES ON STATE ROAD NO. 21 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 63± FEET NORTHWESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 AND 2.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERNCES

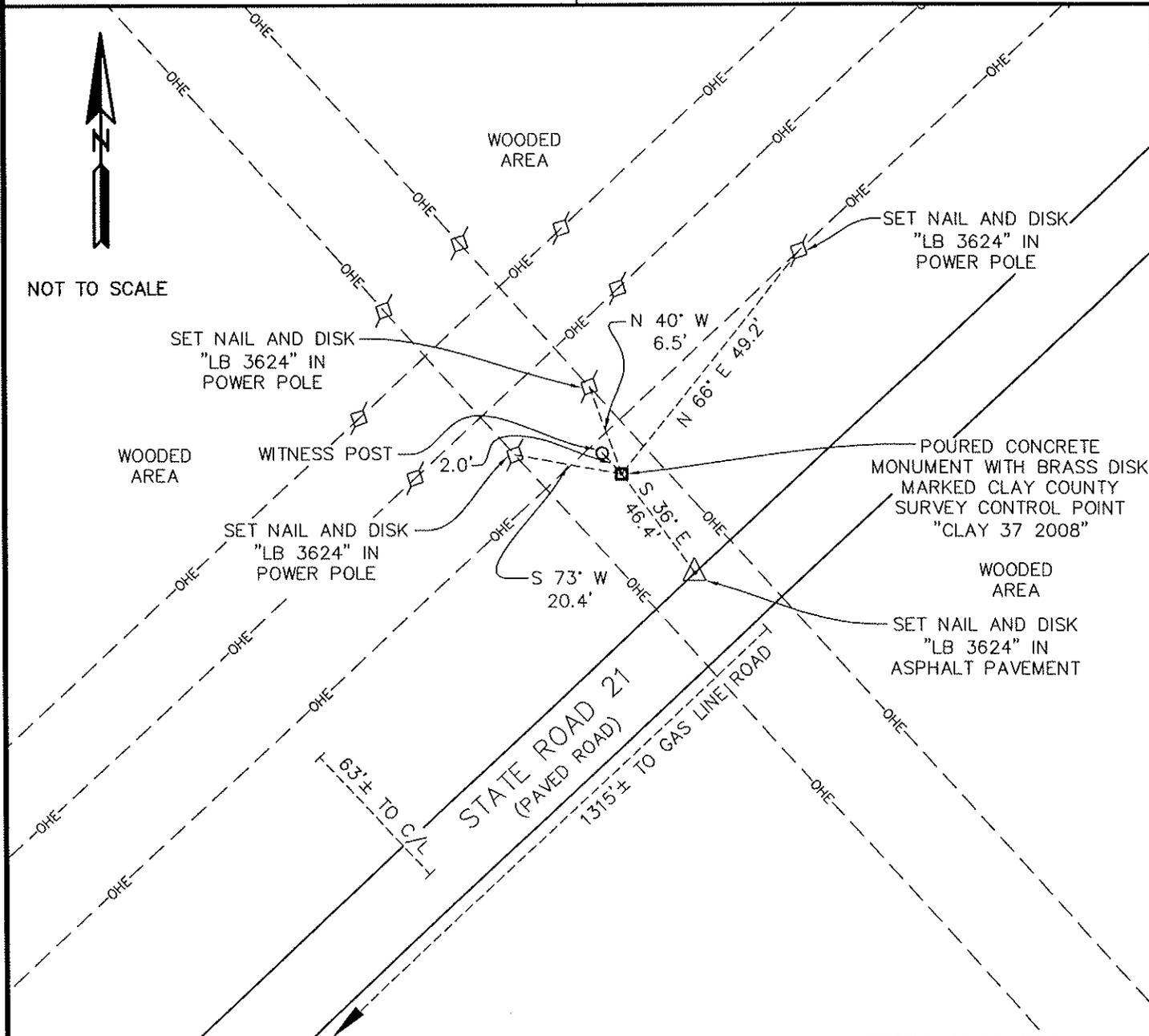
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 36° EAST AT 46.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 66° EAST AT 49.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 40° WEST AT 6.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 73° WEST AT 20.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 37
DESC. BY: K. BAILEY	STAMPING: CLAY 37 2008	YEAR SET: 2008
SEC: 9 TWP: 8S RGE: 23E	USGS QUAD NAME: KEYSTONE HEIGHTS	F.B.-PG: X1464-40



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1992113.76 FEET
EASTING: 336221.97 FEET
LATITUDE: 29° 48' 34.81436" N
LONGITUDE: 82° 00' 31.75253" W
CONVERGENCE: -0° 30' 05.56096"
SCALE FACTOR: 1.000058471
NEAREST INTERVISIBLE STATION: CLAY 38



CLAY 38

THIS STATION IS LOCATED APPROXIMATELY 3 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 11 MILES SOUTHEAST OF STARKE, FLORIDA.

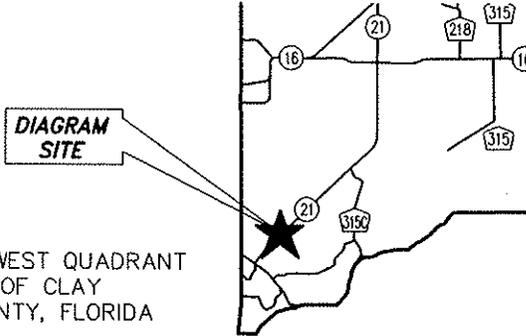
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 AND STATE ROAD NO. 100 IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 2.4 MILES ON STATE ROAD NO. 21 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 51± FEET NORTHWESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 AND 4.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

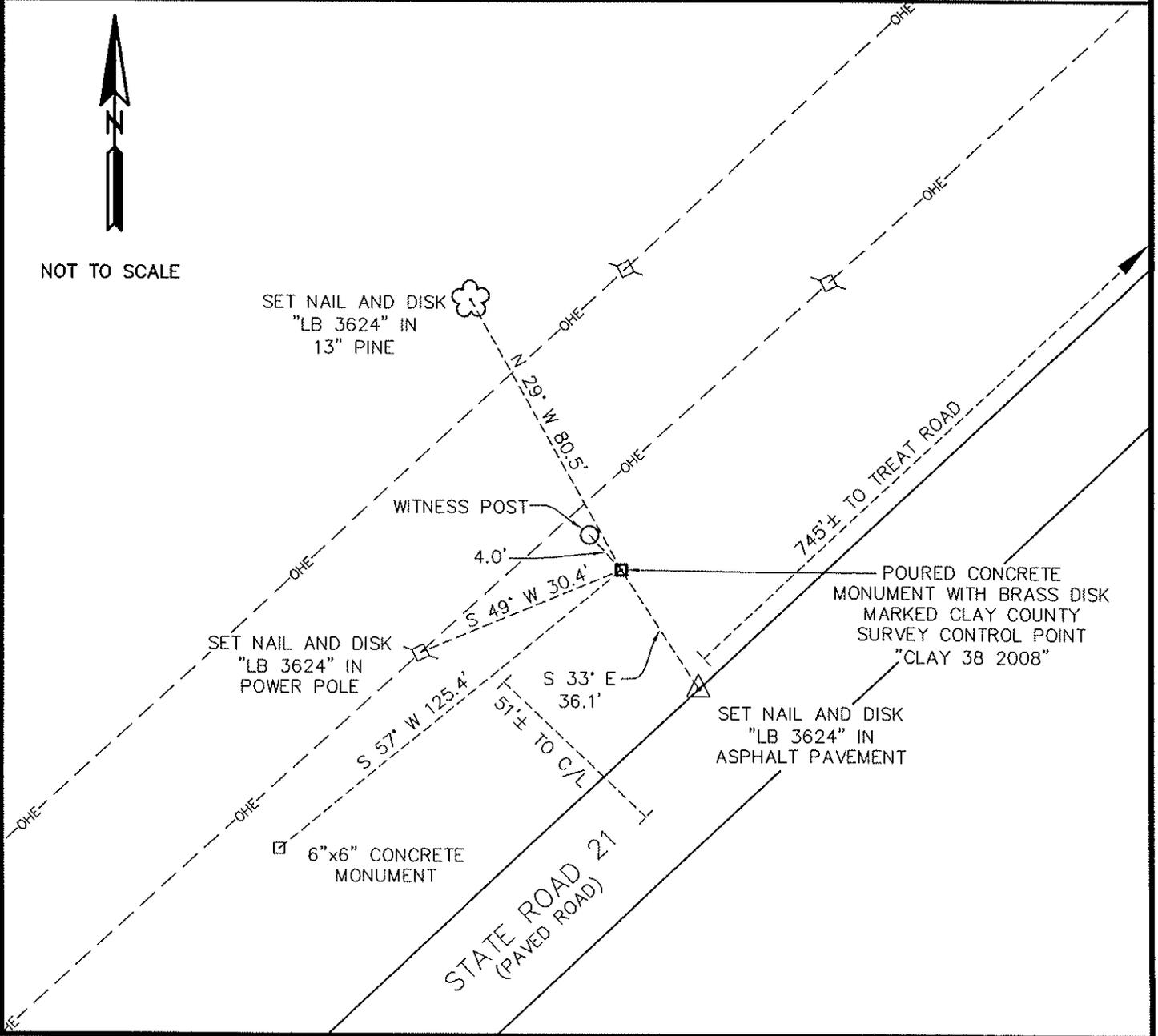
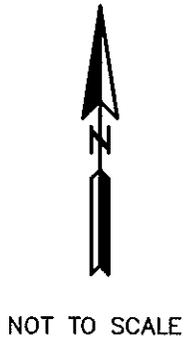
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 33° EAST AT 36.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 49° WEST AT 30.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 13" PINE, NORTH 29° WEST AT 80.5 FEET.
- 4) FOUND 6" X 6" CONCRETE MONUMENT, SOUTH 57° WEST AT 125.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 38
DESC. BY: K. BAILEY	STAMPING: CLAY 38 2008	YEAR SET: 2008
SEC: 9 TWP: 8S RGE: 23E	USGS QUAD NAME: KEYSTONE HEIGHTS	F.B.-PG: X1464-41



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1992878.47 FEET
EASTING: 337061.53 FEET
LATITUDE: 29° 48' 42.45610" N
LONGITUDE: 82° 00' 22.29952" W
CONVERGENCE: -0° 30' 00.97701"
SCALE FACTOR: 1.000057856
NEAREST INTERVISIBLE STATION: CLAY 37



CLAY 39

THE STATION IS LOCATED APPROXIMATELY 13 MILES NORTHWEST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 12 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

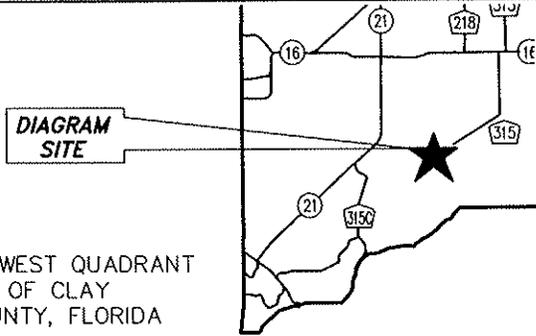
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 4.9 MILES ON SHARRON ROAD (COUNTY ROAD 315) TO FLORIDA POWER AND LIGHT TRANSMISSION POWER LINES RUNNING NORTH AND SOUTH AND TO ITS SERVICE ROAD. THENCE PROCEED SOUTHERLY 0.9 MILES ON THE SERVICE ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 122± FEET WESTERLY OF THE CENTERLINE OF DAN MOODY ROAD, 30± FEET SOUTHERLY OF THE CENTERLINE OF AN UNNAMED DIRT ROAD AND 4.0± FEET NORTH OF A WITNESS POST.

REFERENCES

- 1) SET 5/8" REBAR WITH WITNESS CAP (LB 3624) NORTH 12° WEST AT 62.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE #102138, NORTH 76° EAST AT 18.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #92138, SOUTH 76° WEST AT 50.8 FEET.
- 4) SET 5/8" REBAR WITH WITNESS CAP (LB 3624) SOUTH 20° EAST AT 8.0 FEET.

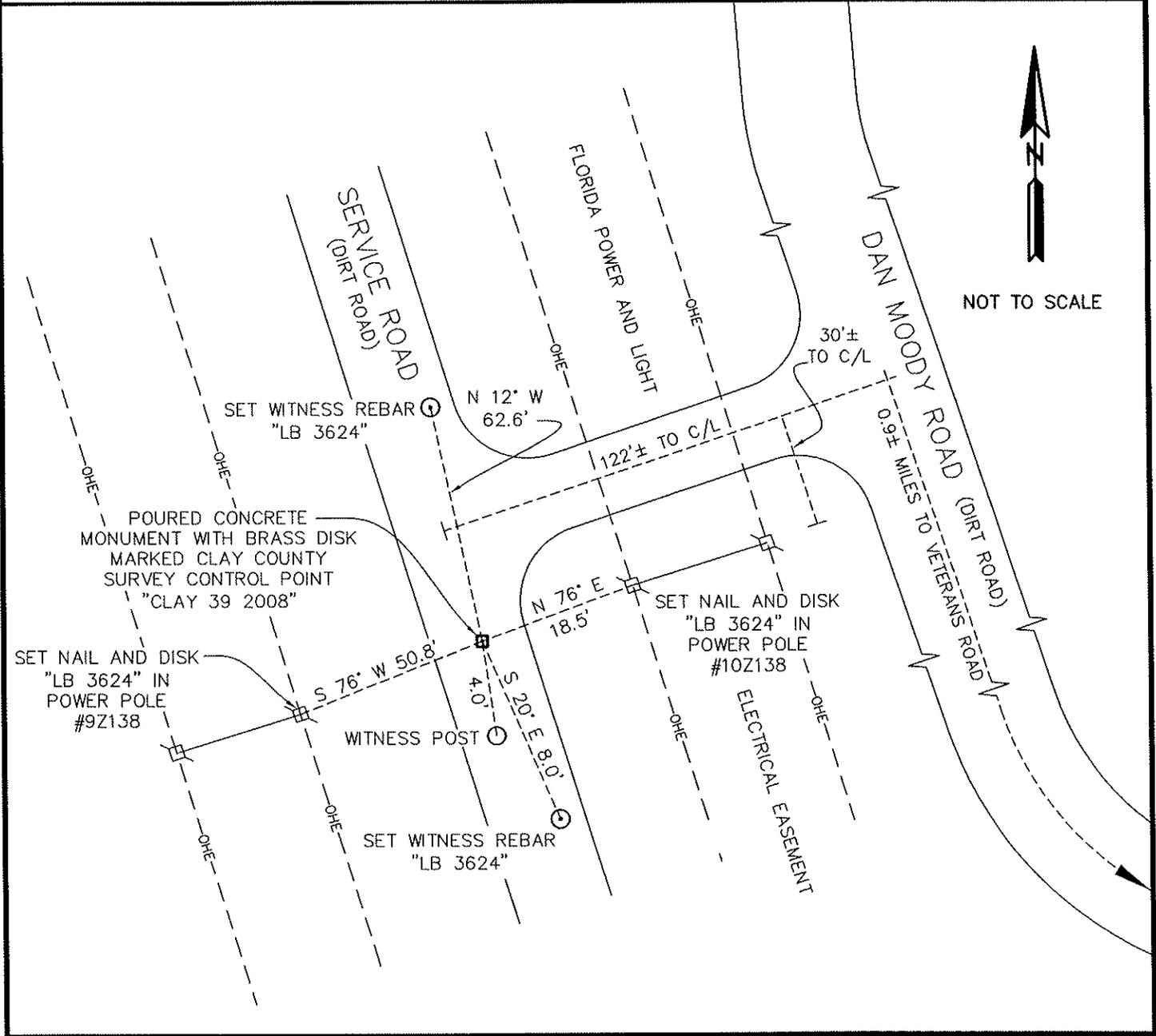
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 39
DESC. BY: K. BAILEY	STAMPING: CLAY 39 2008	YEAR SET: 2008
SEC: 7 TWP: 7S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-42



SOUTHWEST QUADRANT OF CLAY COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2018896.67 FEET
EASTING: 389130.18 FEET
LATITUDE: 29° 53' 04.12553" N
LONGITUDE: 81° 50' 33.46612" W
CONVERGENCE: -0° 25' 11.51643"
SCALE FACTOR: 1.000022883
NEAREST INTERVISIBLE STATION: CLAY 40



CLAY 40

THE STATION IS LOCATED APPROXIMATELY 13 MILES NORTHWEST OF KEYSTONE HEIGHTS, FLORIDA AND APPROXIMATELY 12 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

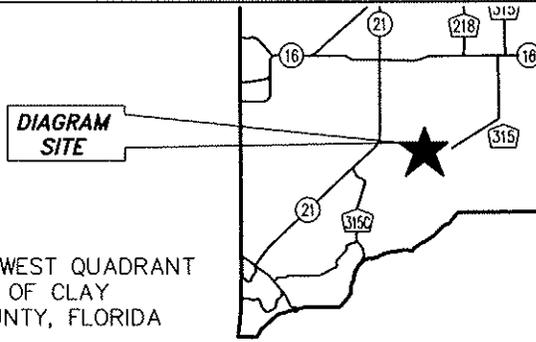
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 4.9 MILES ON SHARRON ROAD (COUNTY ROAD 315) TO FLORIDA POWER AND LIGHT TRANSMISSION POWER LINES RUNNING NORTH AND SOUTH AND TO ITS SERVICE ROAD. THENCE PROCEED SOUTHERLY 0.7 MILES ON THE SERVICE ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 4.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), NORTH 85° EAST AT 49.8 FEET.
- 2) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), NORTH 05° WEST AT 26.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #102137, SOUTH 88° EAST AT 53.9 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #92137, SOUTH 65° WEST AT 16.8 FEET.

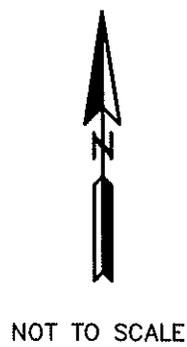
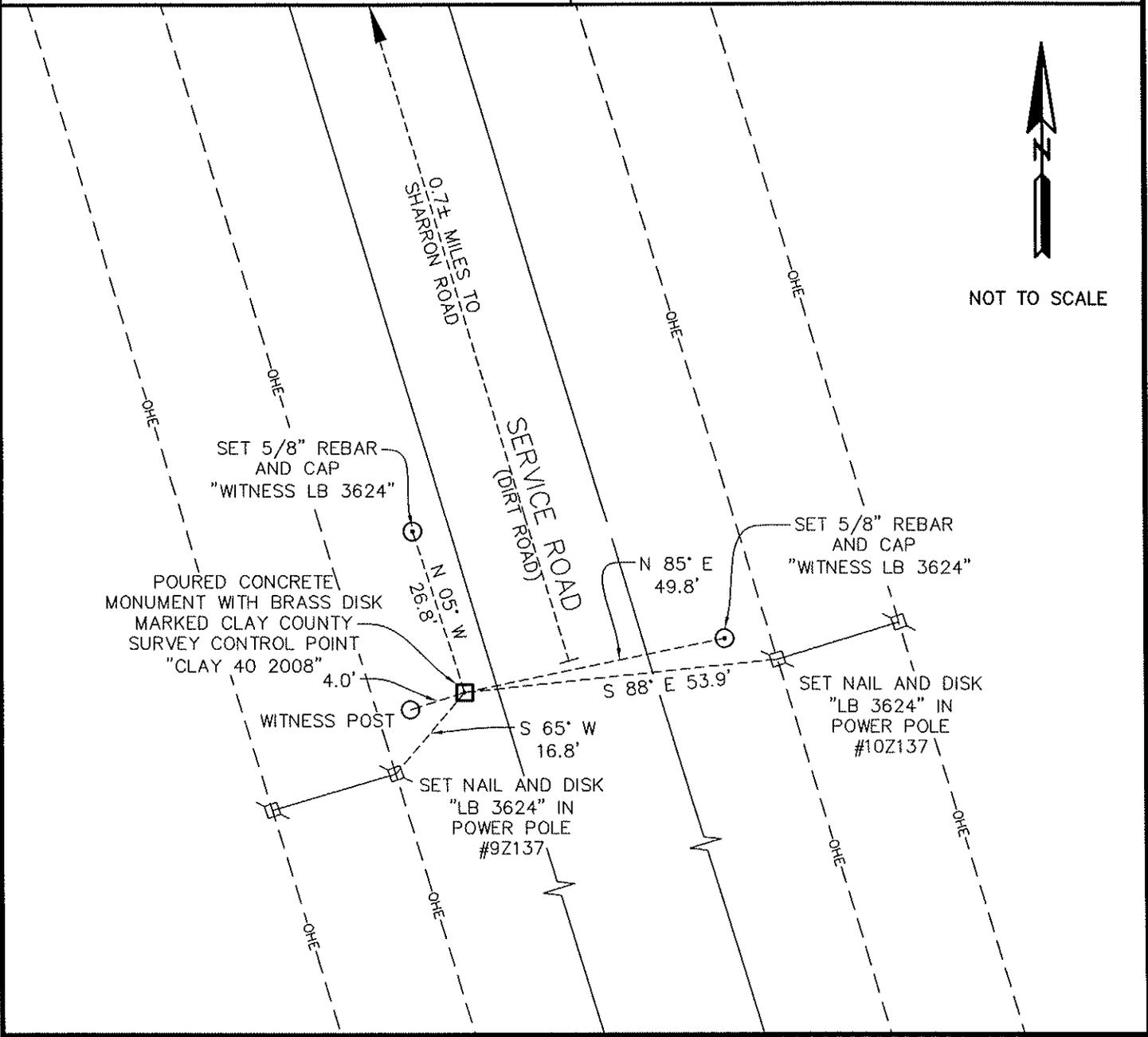
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 40
DESC. BY: K. BAILEY	STAMPING: CLAY 40 2008	YEAR SET: 2008
SEC: 7 TWP: 7S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-43



SOUTHWEST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2020098.92 FEET
EASTING: 388731.79 FEET
LATITUDE: 29° 53' 15.99681" N
LONGITUDE: 81° 50' 38.09154" W
CONVERGENCE: -0° 25' 13.97304"
SCALE FACTOR: 1.000023127
NEAREST INTERVISIBLE STATION: CLAY 39



CLAY 103

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTH OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 13 MILES WEST OF GREEN COVE SPRINGS, FLORIDA.

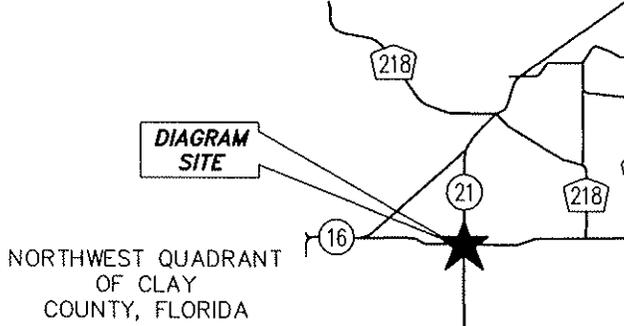
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 150 FEET ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 150± FEET SOUTHERLY OF THE CENTERLINE OF STATE ROAD NO. 16 WEST, 39± FEET WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21(BLANDING BOULEVARD) AND 24.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

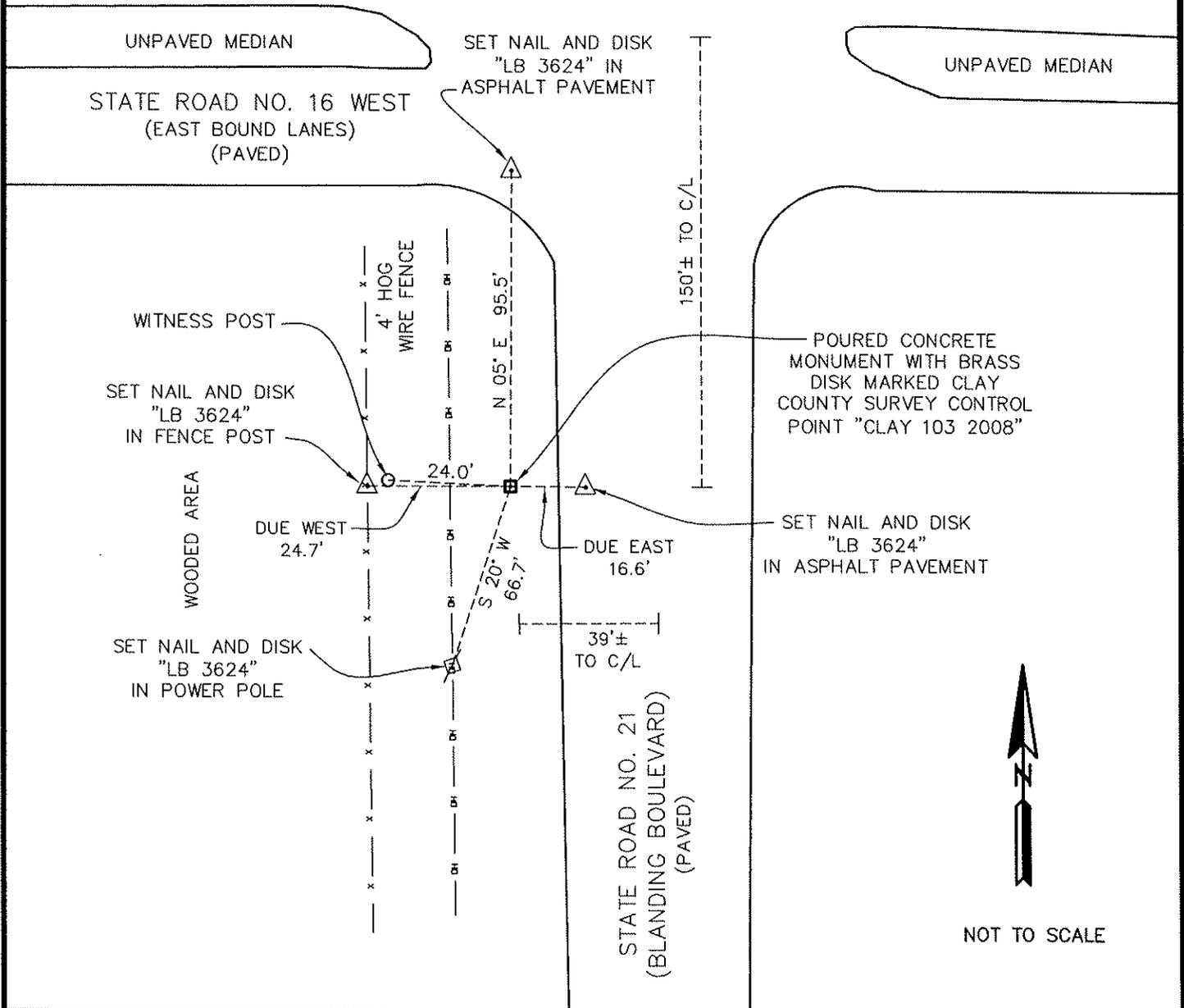
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 16.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 20° WEST AT 66.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° EAST AT 95.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, DUE WEST AT 24.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 103
DESC. BY: D. SCHENCK	STAMPING: CLAY 103 2008	YEAR SET: 2008
SEC: 15 TWP: 6S RGE: 24E	USGS QUAD NAME: KINGSLEY	F.B.-PG: X1463-15



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2053058.52 FEET
EASTING: 371879.34 FEET
LATITUDE: 29° 58' 40.96959" N
LONGITUDE: 81° 53' 52.44621" W
CONVERGENCE: -0° 26' 55.25113"
SCALE FACTOR: 1.00003378
NEAREST INTERVISIBLE STATION: CLAY 104



CLAY 104

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTH OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 13 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

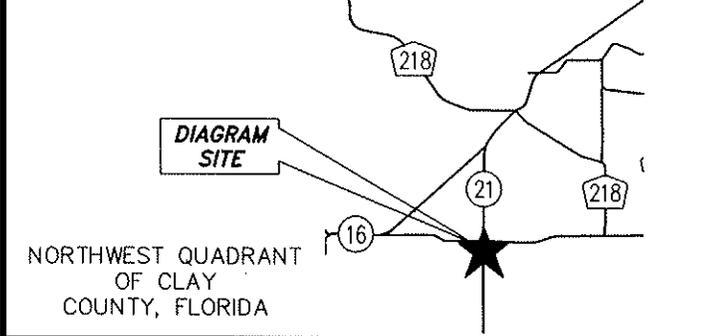
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 0.4 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 49± FEET WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND 19.0±FEET EASTERLY OF A WITNESS POST.

REFERENCES

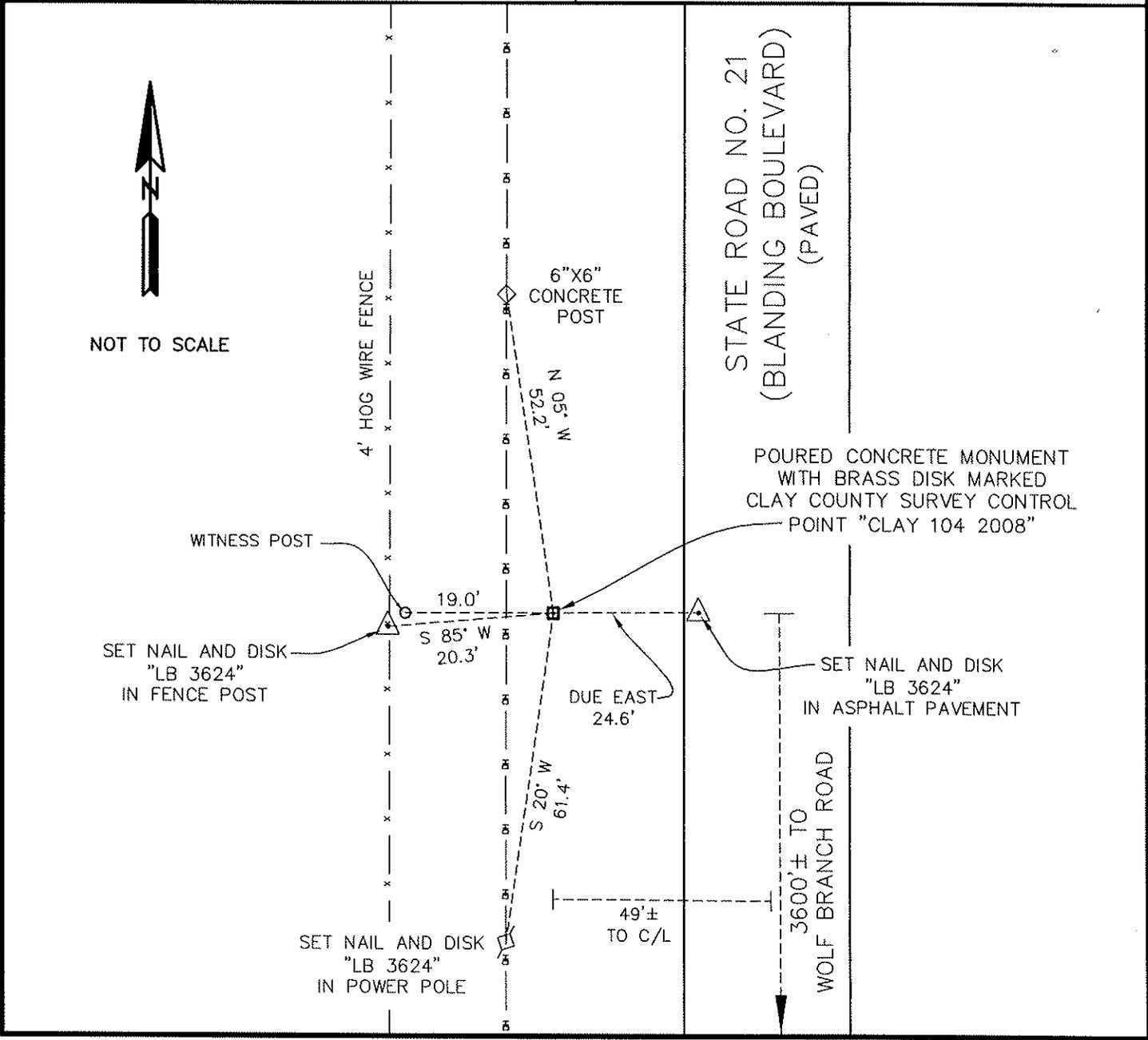
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 24.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 20° WEST AT 61.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 85° WEST AT 20.3 FEET.
- 4) 6"x6" CONCRETE POST, NORTH 05° WEST AT 52.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 104
DESC. BY: D. SCHENCK	STAMPING: CLAY 104 2008	YEAR SET: 2008
SEC: 15 TWP: 6S RGE: 24E	USGS QUAD NAME: KINGSLEY	F.B.-PG: X1463-38



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2051074.92 FEET
EASTING: 371881.03 FEET
LATITUDE: 29° 58' 21.33607" N
LONGITUDE: 81° 53' 52.25044" W
CONVERGENCE: -0° 26' 54.88677"
SCALE FACTOR: 1.000033779
NEAREST INTERVISIBLE STATION: CLAY 103



SOUTHEAST QUADRANT STATIONS

APPENDIX D

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA

Coordinate Parameters

Geographic Coordinate Datum = WGS 1984
 State Plane Datum = NAD 1983 / NSRS 2007
 Zone = Florida East (901)
 Linear Units = U.S. Survey Foot

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY23	29° 49' 17.57171" 81° 49' 53.79999"	1995984.378 392456.753	1.000020861 -0° 24' 48.89745"
CLAY24	29° 49' 22.72192" 81° 49' 47.38508"	1996500.584 393025.581	1.000020518 -0° 24' 45.77152"
CLAY41	29° 54' 53.55741" 81° 46' 49.07031"	2029812.267 408959.476	1.000011199 -0° 23' 20.98543"
CLAY42	29° 54' 50.67642" 81° 47' 00.71408"	2029528.198 407932.769	1.000011782 -0° 23' 26.75900"
CLAY43	29° 56' 31.62782" 81° 47' 11.85526"	2039733.243 407022.131	1.0000123 -0° 23' 33.51710"
CLAY44	29° 56' 19.19899" 81° 47' 07.73122"	2038475.167 407376.381	1.000012098 -0° 23' 31.31074"
CLAY45	29° 51' 57.03630" 81° 47' 47.83592"	2012015.268 403664.181	1.000014231 -0° 23' 48.16897"
CLAY46	29° 52' 08.80217" 81° 47' 47.57107"	2013203.712 403695.731	1.000014213 -0° 23' 48.17891"
CLAY47	29° 50' 24.71430" 81° 43' 37.10342"	2002542.676 425681.986	1.000002047 -0° 21' 42.27866"
CLAY48	29° 50' 34.81732" 81° 43' 31.82694"	2003560.356 426153.122	1.000001798 -0° 21' 39.76382"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY49	29° 52' 04.78449" 81° 41' 52.68905"	2012594.884 434939.156	0.999997255 -0° 20' 51.37503"
CLAY50	29° 52' 04.77450" 81° 42' 03.00251"	2012599.395 434031.088	0.999997716 -0° 20' 56.51164"
CLAY51	29° 53' 13.00680" 81° 40' 01.76602"	2019428.772 444745.485	0.999992393 -0° 19' 56.81780"
CLAY52	29° 53' 00.93982" 81° 39' 56.98324"	2018207.321 445159.451	0.999992193 -0° 19' 54.31276"
CLAY53	29° 56' 58.60479" 81° 44' 24.21987"	2042360.429 421788.569	1.000004119 -0° 22' 10.13671"
CLAY54	29° 56' 49.40100" 81° 44' 28.46969"	2041433.056 421408.686	1.000004323 -0° 22' 12.15548"
CLAY55	29° 56' 03.16482" 81° 41' 19.20115"	2036658.484 438031.939	0.999995697 -0° 20' 37.17992"
CLAY56	29° 56' 13.96481" 81° 41' 16.40743"	2037748.039 438284.290	0.999995571 -0° 20' 35.89805"
CLAY57	29° 59' 04.74180" 81° 39' 44.24992"	2054952.492 446492.391	0.999991549 -0° 19' 51.61217"
CLAY58	29° 58' 58.50586" 81° 39' 34.21359"	2054317.438 447371.396	0.999991128 -0° 19' 46.53366"
CLAY59	30° 00' 02.60814" 81° 41' 06.45698"	2060840.760 439297.761	0.999995065 -0° 20' 33.30026"
CLAY60	29° 59' 52.47207" 81° 40' 57.42559"	2059812.052 440085.785	0.999994675 -0° 20' 28.67939"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY61	29° 58' 55.52186" 81° 50' 21.94675"	2054388.385 390403.809	1.000022104 -0° 25' 10.23751"
CLAY62	29° 58' 55.51943" 81° 50' 38.49919"	2054398.828 388948.062	1.000022993 -0° 25' 18.51058"
CLAY63	29° 58' 59.11303" 81° 46' 08.14882"	2054594.607 412727.018	1.00000908 -0° 23' 03.42996"
CLAY64	29° 58' 58.11177" 81° 46' 17.76486"	2054499.139 411880.648	1.000009553 -0° 23' 08.22450"
CLAY65	29° 58' 20.63058" 81° 41' 34.95633"	2050553.840 436729.545	0.99999635 -0° 20' 46.48340"
CLAY66	29° 58' 33.29680" 81° 41' 34.32694"	2051833.072 436792.634	0.999996318 -0° 20' 46.30162"
CLAY91	29° 50' 06.47850" 81° 39' 42.36440"	2000575.831 446345.031	0.999991622 -0° 19' 45.28077"
CLAY92	29° 50' 23.52667" 81° 39' 41.82724"	2002297.758 446402.236	0.999991594 -0° 19' 45.18428"
CLAY93	29° 53' 53.98597" 81° 38' 21.39436"	2023518.297 453604.150	0.999988191 -0° 19' 07.19503"
CLAY94	29° 53' 36.57279" 81° 38' 13.84615"	2021755.525 454258.786	0.999987888 -0° 19' 03.26429"
CLAY99	29° 56' 56.45686" 81° 39' 54.58475"	2041998.212 445508.357	0.999992024 -0° 19' 55.48751"
CLAY100	29° 56' 39.88281" 81° 39' 50.80373"	2040321.955 445831.303	0.999991868 -0° 19' 53.43326"

**STATION LISTINGS IN
U.S. SURVEY FOOT VALUES**

**SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA
(Continued)**

CLAY121	29° 58' 59.58713" 81° 40' 31.55098"	2054456.028 442329.505	0.999993569 -0° 20' 15.20155"
CLAY122	29° 59' 02.07701" 81° 40' 16.85782"	2054699.970 443623.164	0.999992937 -0° 20' 07.88320"

STATION LISTINGS IN METRIC VALUES

SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA

Coordinate Parameters

Geographic Coordinate Datum = WGS 1984
 State Plane Datum = NAD 1983 / NSRS 2007
 Zone = Florida East (901)
 Linear Units = Meter

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY23	29° 49' 17.57171" 81° 49' 53.79999"	608377.255 119621.058	1.000020861 -0° 24' 48.89745"
CLAY24	29° 49' 22.72192" 81° 49' 47.38508"	608534.595 119794.437	1.000020518 -0° 24' 45.77152"
CLAY41	29° 54' 53.55741" 81° 46' 49.07031"	618688.016 124651.098	1.000011199 -0° 23' 20.98543"
CLAY42	29° 54' 50.67642" 81° 47' 00.71408"	618601.432 124338.157	1.000011782 -0° 23' 26.75900"
CLAY43	29° 56' 31.62782" 81° 47' 11.85526"	621711.936 124060.594	1.0000123 -0° 23' 33.51710"
CLAY44	29° 56' 19.19899" 81° 47' 07.73122"	621328.474 124168.569	1.000012098 -0° 23' 31.31074"
CLAY45	29° 51' 57.03630" 81° 47' 47.83592"	613263.480 123037.088	1.000014231 -0° 23' 48.16897"
CLAY46	29° 52' 08.80217" 81° 47' 47.57107"	613625.719 123046.705	1.000014213 -0° 23' 48.17891"
CLAY47	29° 50' 24.71430" 81° 43' 37.10342"	610376.228 129748.129	1.000002047 -0° 21' 42.27866"
CLAY48	29° 50' 34.81732" 81° 43' 31.82694"	610686.418 129891.731	1.000001798 -0° 21' 39.76382"

STATION LISTINGS IN METRIC VALUES

SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY49	29° 52' 04.78449" 81° 41' 52.68905"	613440.147 132569.720	0.999997255 -0° 20' 51.37503"
CLAY50	29° 52' 04.77450" 81° 42' 03.00251"	613441.523 132292.940	0.999997716 -0° 20' 56.51164"
CLAY51	29° 53' 13.00680" 81° 40' 01.76602"	615523.121 135558.695	0.999992393 -0° 19' 56.81780"
CLAY52	29° 53' 00.93982" 81° 39' 56.98324"	615150.822 135684.872	0.999992193 -0° 19' 54.31276"
CLAY53	29° 56' 58.60479" 81° 44' 24.21987"	622512.704 128561.413	1.000004119 -0° 22' 10.13671"
CLAY54	29° 56' 49.40100" 81° 44' 28.46969"	622230.040 128445.624	1.000004323 -0° 22' 12.15548"
CLAY55	29° 56' 03.16482" 81° 41' 19.20115"	620774.747 133512.402	0.999995697 -0° 20' 37.17992"
CLAY56	29° 56' 13.96481" 81° 41' 16.40743"	621106.845 133589.319	0.999995571 -0° 20' 35.89805"
CLAY57	29° 59' 04.74180" 81° 39' 44.24992"	626350.772 136091.153	0.999991549 -0° 19' 51.61217"
CLAY58	29° 58' 58.50586" 81° 39' 34.21359"	626157.207 136359.074	0.999991128 -0° 19' 46.53366"
CLAY59	30° 00' 02.60814" 81° 41' 06.45698"	628145.520 133898.225	0.999995065 -0° 20' 33.30026"
CLAY60	29° 59' 52.47207" 81° 40' 57.42559"	627831.969 134138.416	0.999994675 -0° 20' 28.67939"

STATION LISTINGS IN METRIC VALUES

SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

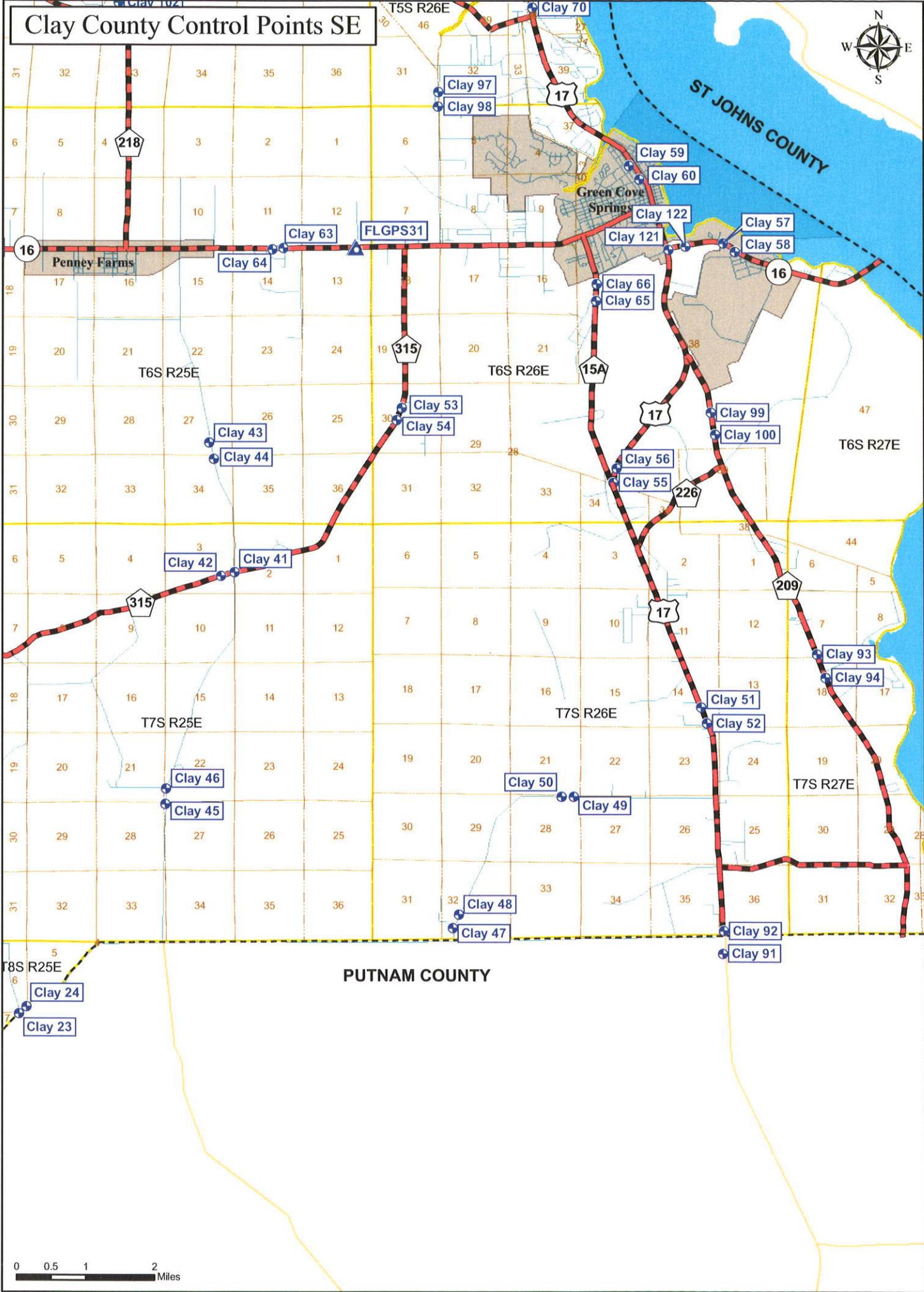
Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY61	29° 58' 55.52186" 81° 50' 21.94675"	626178.832 118995.319	1.000022104 -0° 25' 10.23751"
CLAY62	29° 58' 55.51943" 81° 50' 38.49919"	626182.015 118551.606	1.000022993 -0° 25' 18.51058"
CLAY63	29° 58' 59.11303" 81° 46' 08.14882"	626241.689 125799.447	1.00000908 -0° 23' 03.42996"
CLAY64	29° 58' 58.11177" 81° 46' 17.76486"	626212.590 125541.473	1.000009553 -0° 23' 08.22450"
CLAY65	29° 58' 20.63058" 81° 41' 34.95633"	625010.060 133115.432	0.99999635 -0° 20' 46.48340"
CLAY66	29° 58' 33.29680" 81° 41' 34.32694"	625399.971 133134.661	0.999996318 -0° 20' 46.30162"
CLAY91	29° 50' 06.47850" 81° 39' 42.36440"	609776.733 136046.238	0.999991622 -0° 19' 45.28077"
CLAY92	29° 50' 23.52667" 81° 39' 41.82724"	610301.577 136063.674	0.999991594 -0° 19' 45.18428"
CLAY93	29° 53' 53.98597" 81° 38' 21.39436"	616769.610 138258.821	0.999988191 -0° 19' 07.19503"
CLAY94	29° 53' 36.57279" 81° 38' 13.84615"	616232.316 138458.355	0.999987888 -0° 19' 03.26429"
CLAY99	29° 56' 56.45686" 81° 39' 54.58475"	622402.300 135791.219	0.999992024 -0° 19' 55.48751"
CLAY100	29° 56' 39.88281" 81° 39' 50.80373"	621891.376 135889.653	0.999991868 -0° 19' 53.43326"

STATION LISTINGS IN METRIC VALUES

SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

CLAY121	29° 58' 59.58713" 81° 40' 31.55098"	626199.450 134822.303	0.999993569 -0° 20' 15.20155"
CLAY122	29° 59' 02.07701" 81° 40' 16.85782"	626273.804 135216.611	0.999992937 -0° 20' 07.88320"

Clay County Control Points SE



218

16

Penney Farms

T6S R25E

T6S R26E

T7S R25E

T7S R26E

T8S R25E

PUTNAM COUNTY

ST JOHNS COUNTY

Green Cove Springs

T6S R27E

T7S R27E

0 0.5 1 2 Miles

Clay 97
Clay 98

Clay 59
Clay 60

Clay 63
Clay 64

FLGPS31

Clay 122
Clay 121

Clay 57
Clay 58

Clay 66
Clay 65

Clay 53
Clay 54

Clay 99
Clay 100

Clay 43
Clay 44

Clay 56
Clay 55

Clay 42
Clay 41

Clay 56
Clay 55

Clay 46
Clay 45

Clay 50
Clay 49

Clay 93
Clay 94

Clay 51
Clay 52

Clay 48
Clay 47

Clay 92
Clay 91

Clay 24
Clay 23

CLAY 23

THE STATION IS LOCATED APPROXIMATELY 12 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA, AND APPROXIMATELY 15 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

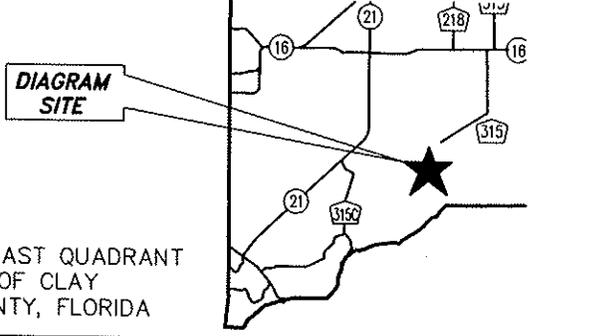
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 6.6 MILES ON COUNTY ROAD NO. 315C TO BELLAMY ROAD. THENCE PROCEED EASTERLY 5.8 MILES ON BELLAMY ROAD TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 30± FEET NORTHERLY OF THE CENTERLINE OF BELLAMY ROAD, 50± FEET WESTERLY OF THE CENTERLINE OF VETERANS ROAD, AND 2.0± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

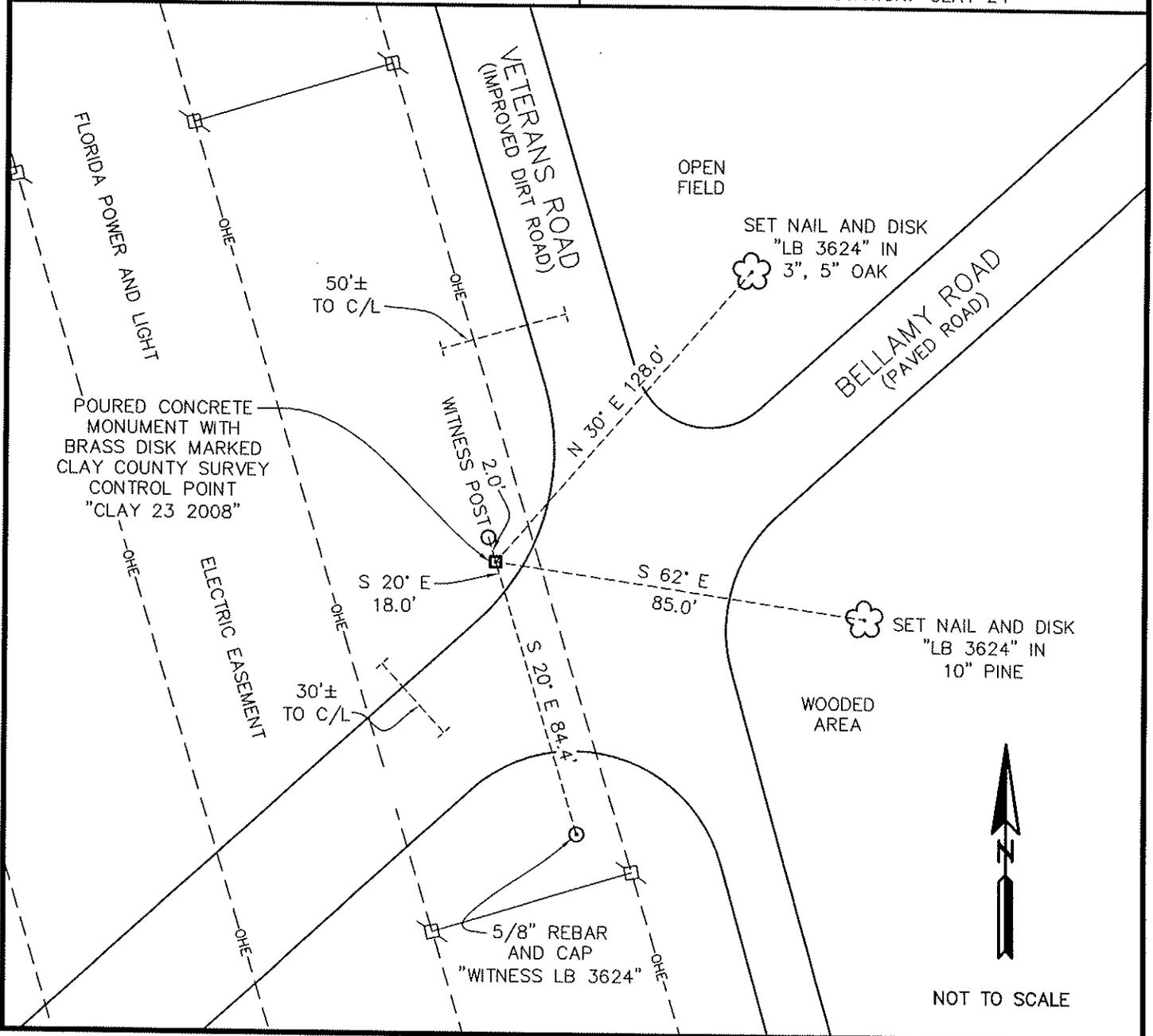
- 1) SET NAIL AND DISK (LB 3624) IN 3" AND 5" OAK, NORTH 30° EAST AT 128.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 10" PINE, SOUTH 62° EAST AT 85.0 FEET.
- 3) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), SOUTH 20° EAST AT 84.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 23
DESC. BY: K. BAILEY	STAMPING: CLAY 23 2008	YEAR SET: 2008
SEC: 5 TWP: 8S RGE: 25E	USGS QUAD NAME: RICE CREEK	F.B.-PG: X1464-25



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1995984.38 FEET
EASTING: 392456.75 FEET
LATITUDE: 29° 49' 17.57171" N
LONGITUDE: 81° 49' 53.79999" W
CONVERGENCE: -00° 24' 48.89745"
SCALE FACTOR: 1.000020861
NEAREST INTERVISIBLE STATION: CLAY 24



CLAY 24

THE STATION IS LOCATED APPROXIMATELY 12 MILES NORTHEAST OF KEYSTONE HEIGHTS, FLORIDA, AND APPROXIMATELY 15 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

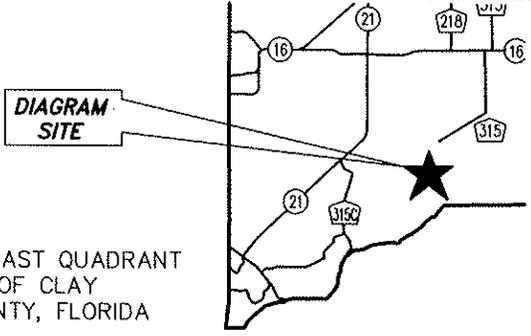
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.7 MILES ON STATE ROAD NO. 21 TO COUNTY ROAD NO. 315C. THENCE PROCEED SOUTHERLY 6.6 MILES ON COUNTY ROAD NO. 315C TO BELLAMY ROAD. THENCE PROCEED EASTERLY 5.9 MILES ON BELLAMY ROAD TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 33± FEET NORTHWESTERLY OF THE CENTERLINE OF BELLAMY ROAD AND 3.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

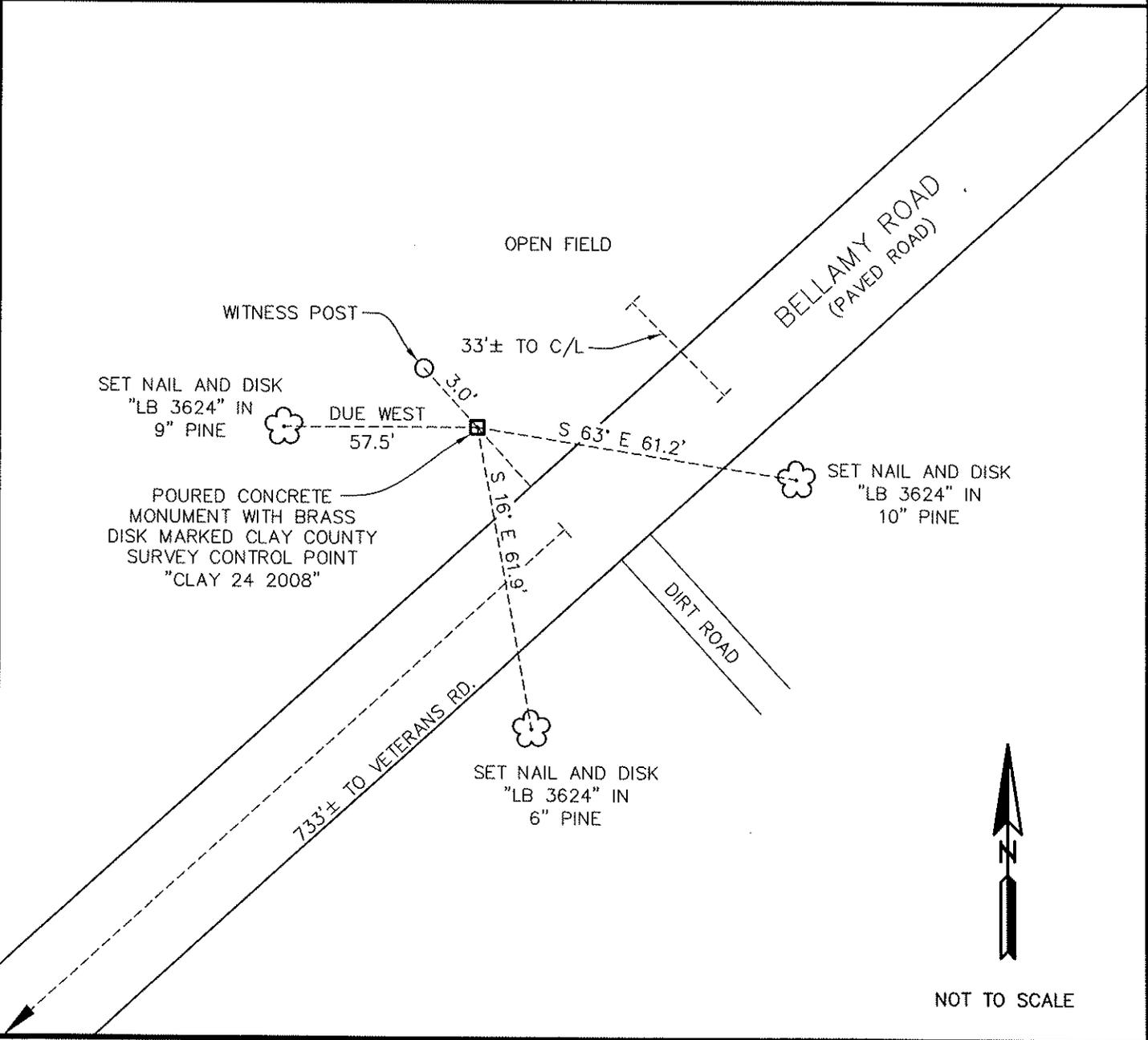
- 1) SET NAIL AND DISK (LB 3624) IN 9" PINE, DUE WEST AT 57.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 6" PINE, SOUTH 16° EAST AT 61.9 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 10" PINE, SOUTH 63° EAST AT 61.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 24
DESC. BY: K. BAILEY	STAMPING: CLAY 24 2008	YEAR SET: 2008
SEC: 5 TWP: 8S RGE: 25E	USGS QUAD NAME: RICE CREEK	F.B.—PG: X1464—26



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 1996500.58 FEET
EASTING: 393025.58 FEET
LATITUDE: 29° 49' 22.72192" N
LONGITUDE: 81° 49' 47.38508" W
CONVERGENCE: -00° 24' 45.77152"
SCALE FACTOR: 1.000020518
NEAREST INTERVISIBLE STATION: CLAY 23



CLAY 41

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 8 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

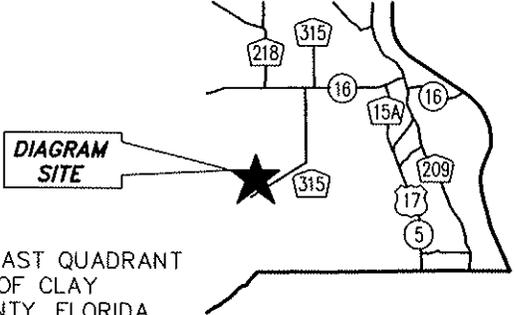
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 8.5 MILES ON SHARRON ROAD (COUNTY ROAD 315) AND ITS TRANSITION TO SPRINGBANK ROAD TO SAUNDERS ROAD (ALSO KNOWN AS HOGARTH ROAD HEADING SOUTH) AND TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 35± FEET NORTHERLY OF THE CENTERLINE OF SPRINGBANK ROAD, 95± FEET EASTERLY OF THE CENTERLINE OF SAUNDERS ROAD AND 4.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

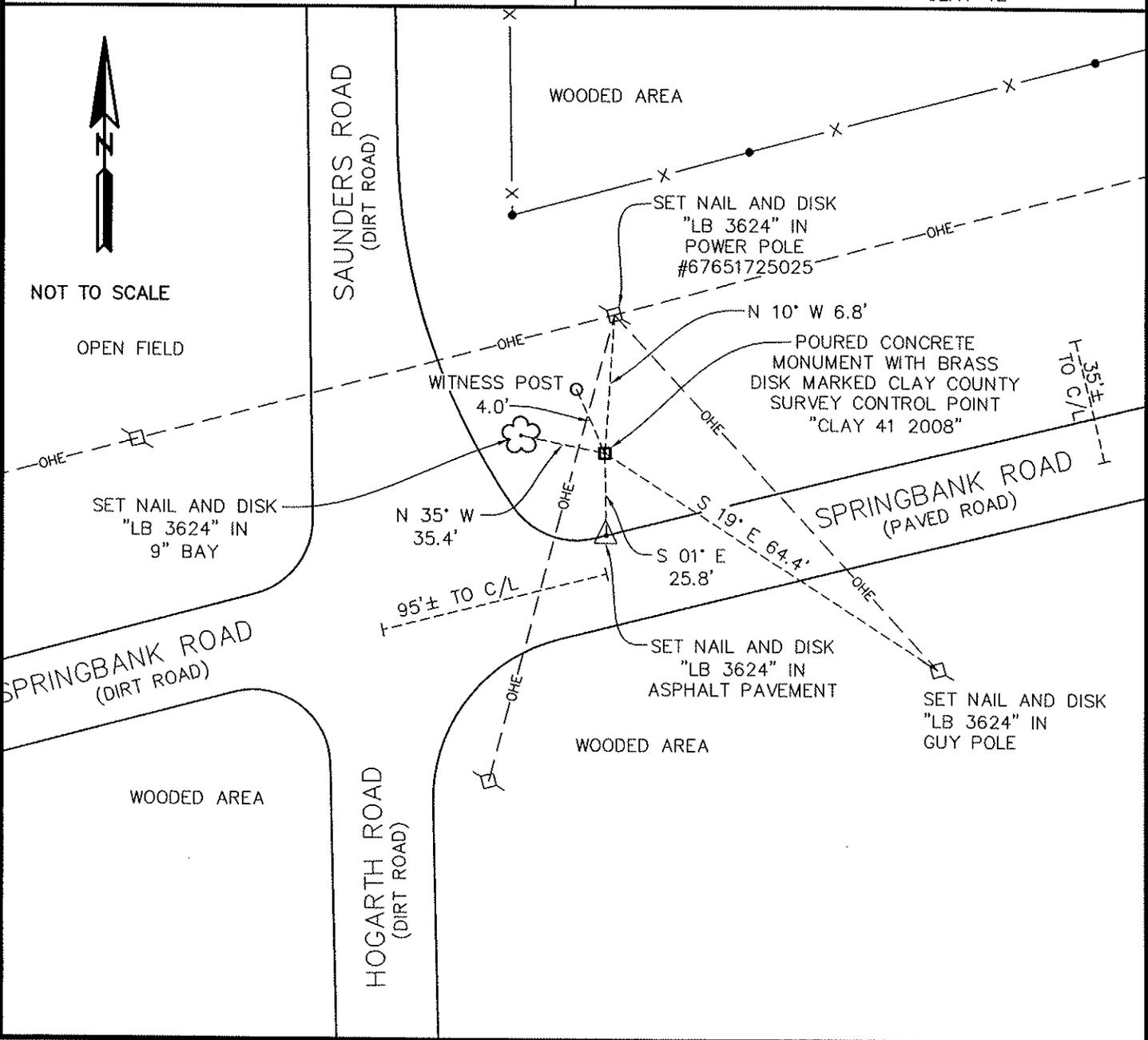
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 01° EAST AT 25.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE GUY POLE, SOUTH 19° EAST AT 64.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #67651725025, NORTH 10° WEST AT 6.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 9" BAY, NORTH 35° WEST AT 35.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 41
DESC. BY: K. BAILEY	STAMPING: CLAY 41 2008	YEAR SET: 2008
SEC: 2 TWP: 7S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-44



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2029812.27 FEET
EASTING: 408959.48 FEET
LATITUDE: 29° 54' 53.55741" N
LONGITUDE: 81° 46' 49.07031" W
CONVERGENCE: -0° 23' 20.98543"
SCALE FACTOR: 1.000011199
NEAREST INTERVISIBLE STATION: CLAY 42



CLAY 42

THIS STATION IS LOCATED APPROXIMATELY 6 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 8 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

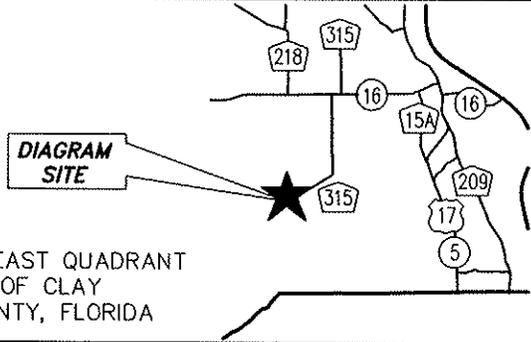
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 8.1 MILES ON SHARRON ROAD (COUNTY ROAD 315) AND ITS TRANSITION TO SPRINGBANK ROAD TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 24± FEET NORTHERLY OF THE CENTERLINE OF SPRINGBANK ROAD (COUNTY ROAD NO. 315) AND 4.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN 7" PINE, SOUTH 48° EAST AT 64.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 4" AND 3" OAK, SOUTH 08° WEST AT 46.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 81° WEST AT 10.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 42
DESC. BY: K. BAILEY	STAMPING: CLAY 42 2008	YEAR SET: 2008
SEC: 3 TWP: 7S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-45

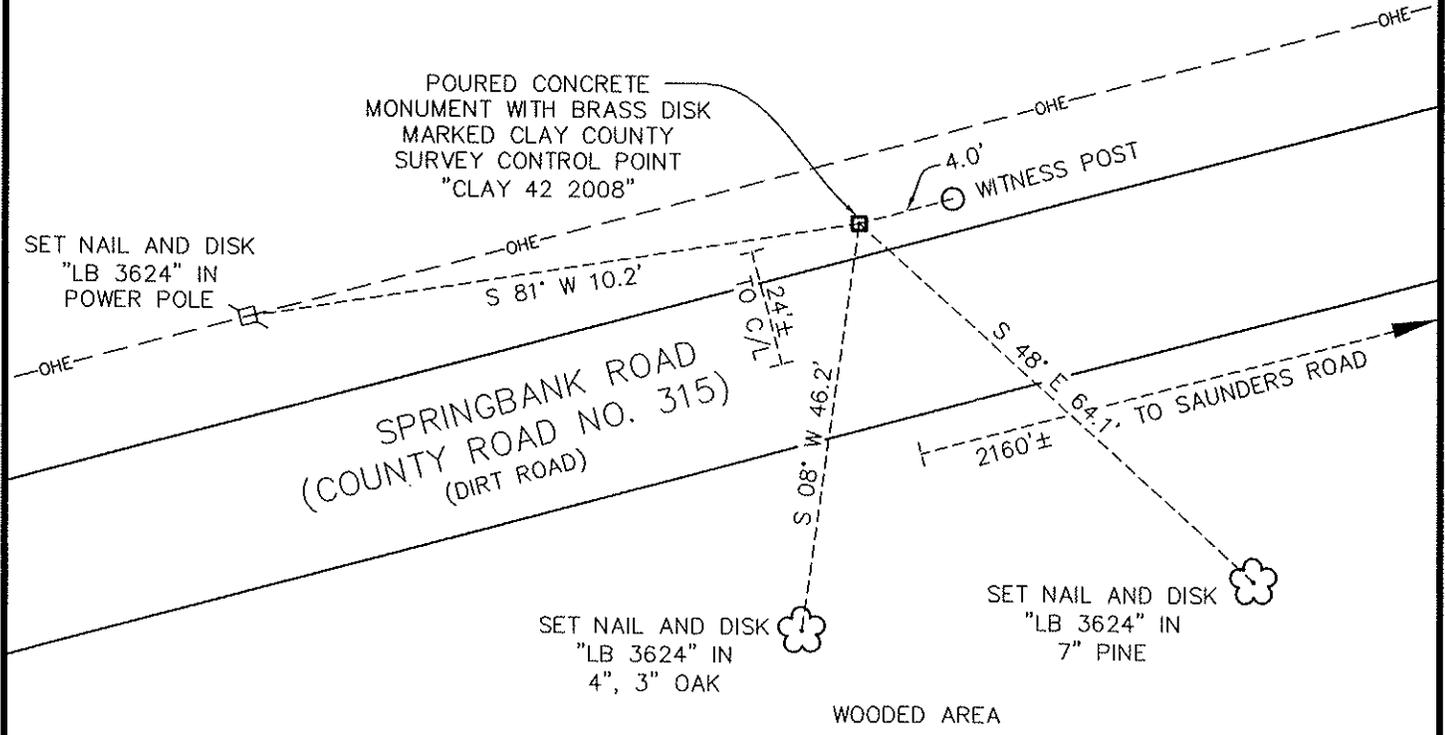


HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2029528.20 FEET
EASTING: 407932.77 FEET
LATITUDE: 29° 54' 50.67642" N
LONGITUDE: 81° 47' 00.71408" W
CONVERGENCE: -0° 23' 26.75900"
SCALE FACTOR: 1.000011782
NEAREST INTERVISIBLE STATION: CLAY 41



OPEN FIELD

NOT TO SCALE



CLAY 43

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 7 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

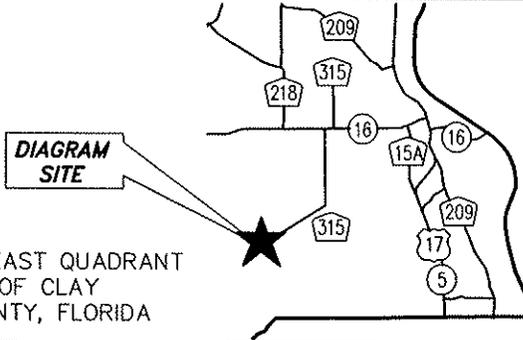
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 8.5 MILES ON SHARRON ROAD (COUNTY ROAD NO. 315) AND ITS TRANSITION TO SPRINGBANK ROAD TO SAUNDERS ROAD. THENCE PROCEED NORTHERLY 2 MILES ON SAUNDERS ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 27± FEET EASTERLY OF THE CENTERLINE OF SAUNDERS ROAD AND 2.0± FEET SOUTHWESTERLY OF A WITNESS POST.

REFERENCES

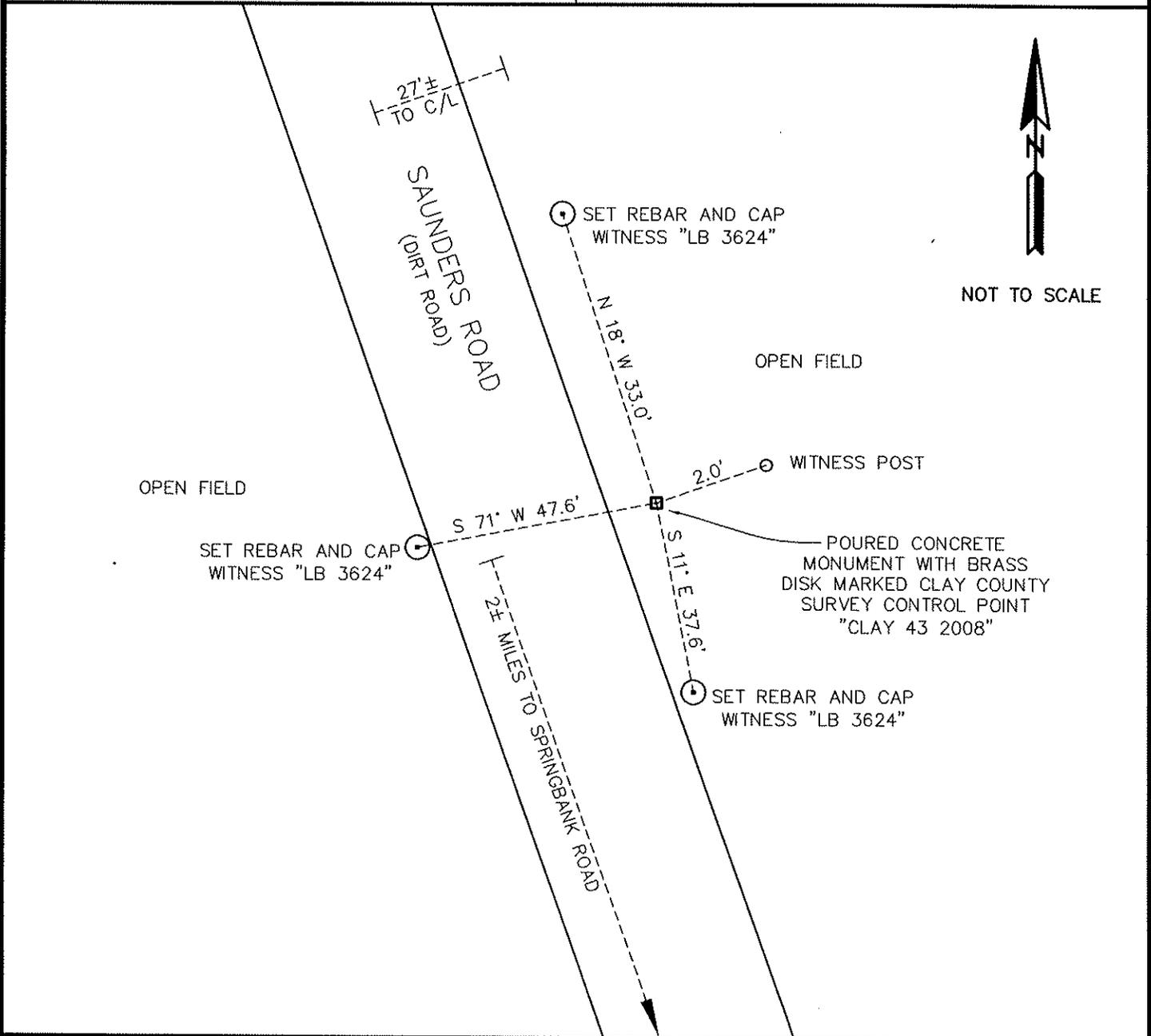
- 1) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), NORTH 18° WEST AT 33.0 FEET.
- 2) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), SOUTH 11° EAST AT 37.6 FEET.
- 3) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), SOUTH 71° WEST AT 47.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 43
DESC. BY: K. BAILEY	STAMPING: CLAY 43 2008	YEAR SET: 2008
SEC: 27 TWP: 6S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-46



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2039733.24 FEET
EASTING: 407022.13 FEET
LATITUDE: 29° 56' 31.62782" N
LONGITUDE: 81° 47' 11.85526" W
CONVERGENCE: -0° 23' 33.51710"
SCALE FACTOR: 1.00001230
NEAREST INTERVISIBLE STATION: CLAY 44



CLAY 44

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 7 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

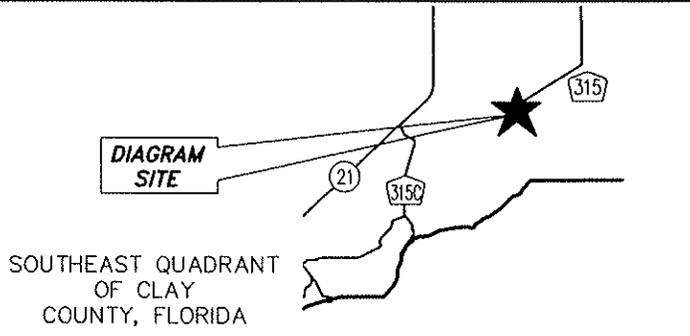
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 8.5 MILES ON SHARRON ROAD (COUNTY ROAD NO. 315) AND ITS TRANSITION TO SPRINGBANK ROAD TO SAUNDERS ROAD. THENCE PROCEED NORTHERLY 1.7 MILES ON SAUNDERS ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 25± FEET EASTERLY OF THE CENTERLINE OF SAUNDERS ROAD AND 4.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

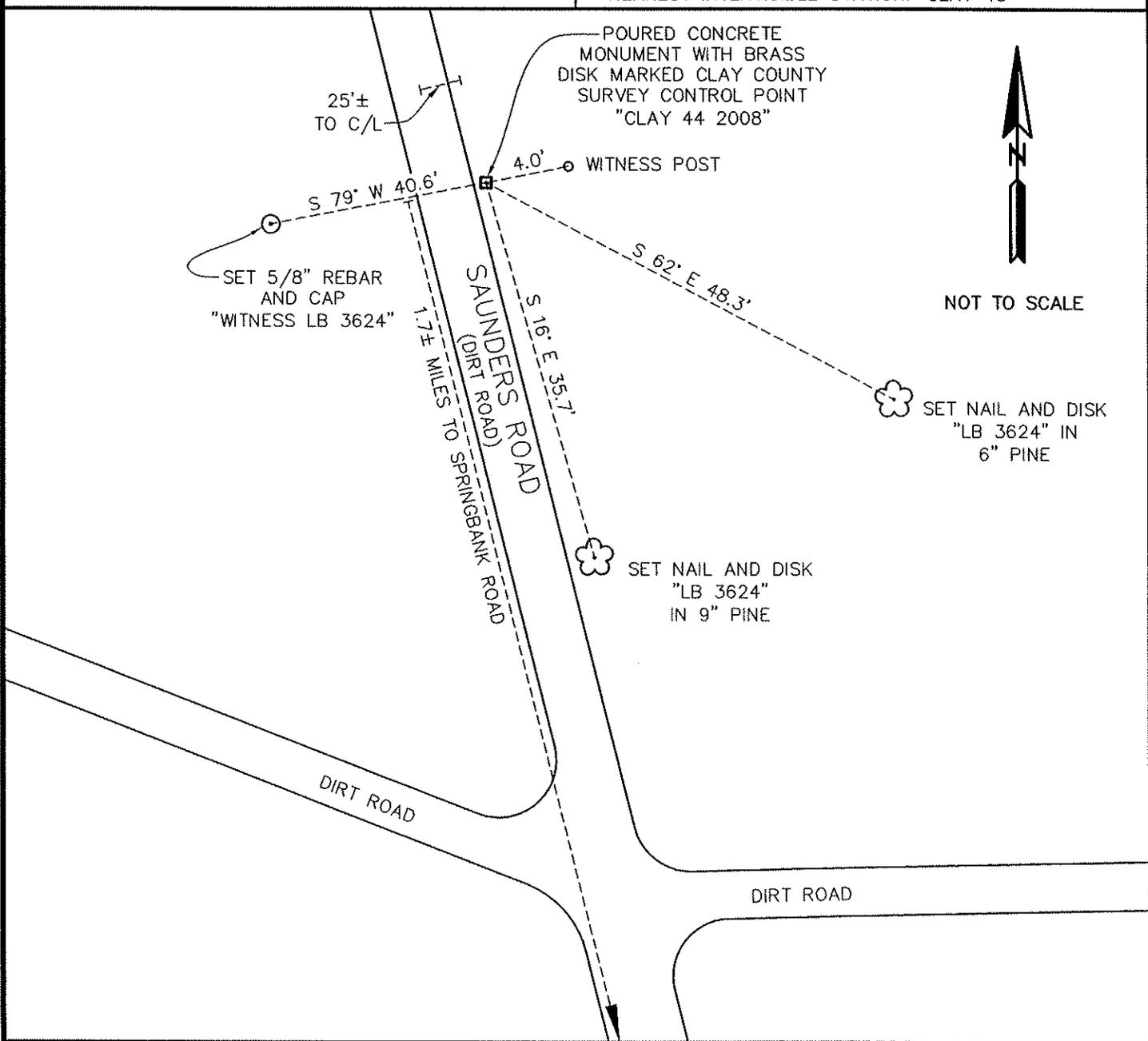
- 1) SET NAIL AND DISK (LB 3624) IN 6" PINE, SOUTH 62° EAST AT 48.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 9" PINE, SOUTH 16° EAST AT 35.7 FEET.
- 3) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), SOUTH 79° WEST AT 40.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 44
DESC. BY: K. BAILEY	STAMPING: CLAY 44 2008	YEAR SET: 2008
SEC: 34 TWP: 6S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-47



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2038475.17 FEET
EASTING: 407376.38 FEET
LATITUDE: 29° 56' 19.19899" N
LONGITUDE: 81° 47' 07.73122" W
CONVERGENCE: -0° 23' 31.31074"
SCALE FACTOR: 1.000012098
NEAREST INTERVISIBLE STATION: CLAY 43



CLAY 45

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 11 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

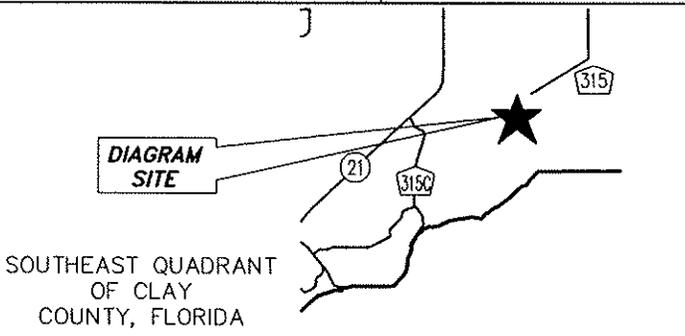
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 8.5 MILES ON SHARRON ROAD (COUNTY ROAD NO. 315) AND ITS TRANSITION TO SPRINGBANK ROAD TO HOGARTH ROAD (BEING SAUNDERS ROAD HEADING NORTH). THENCE PROCEED SOUTHERLY 3.6 MILES ON HOGARTH ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 24± FEET WESTERLY OF THE CENTERLINE OF HOGARTH ROAD, 88± FEET NORTHERLY OF THE NORTH SIDE OF AN END WALL AND 6.8± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

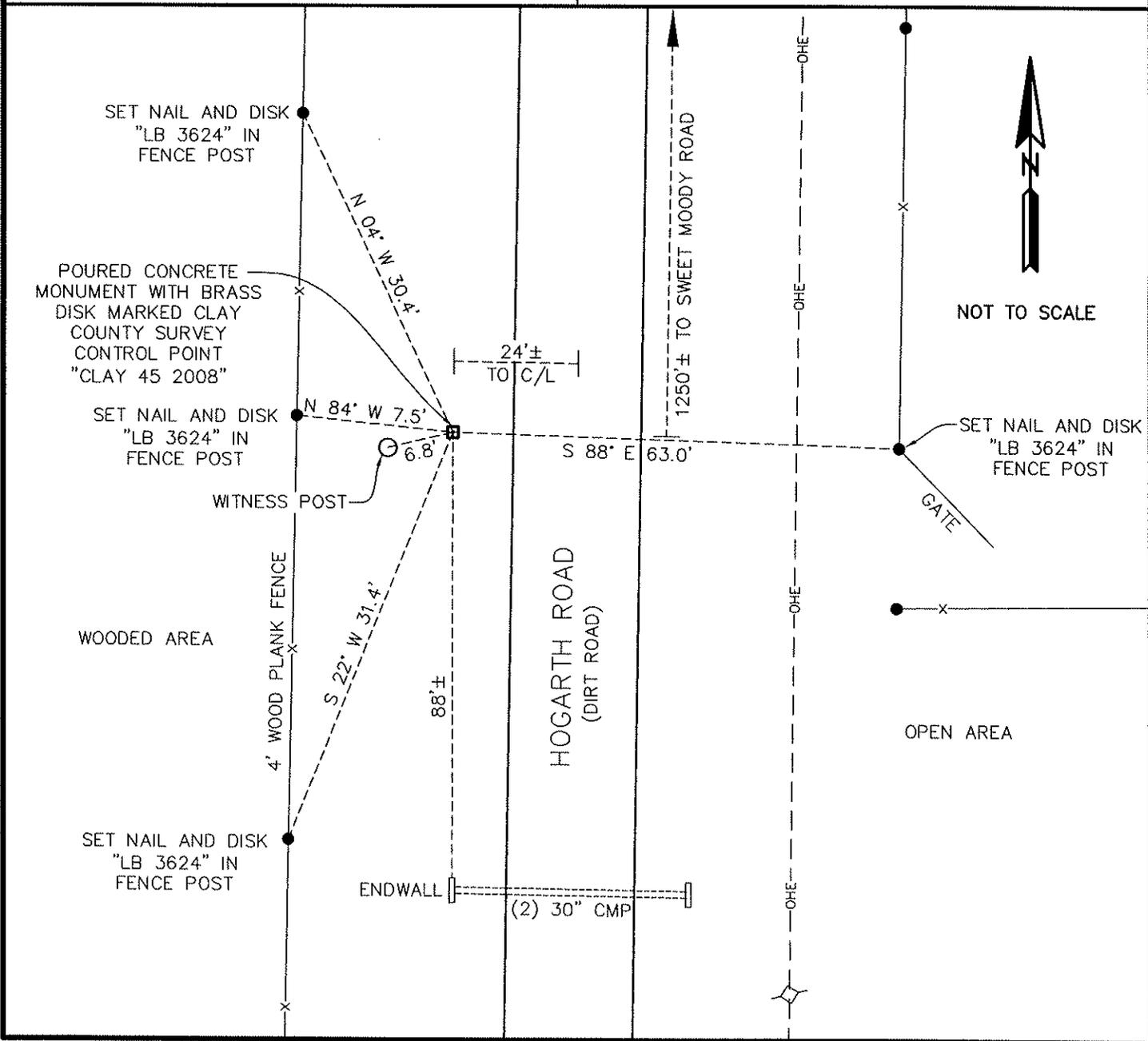
- 1) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 84° WEST AT 7.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 04° EAST AT 30.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 22° WEST AT 31.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 88° EAST AT 63.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 45
DESC. BY: K. BAILEY	STAMPING: CLAY 45 2008	YEAR SET: 2008
SEC: 22 TWP: 7S RGE: 25E	USGS QUAD NAME: RICE CREEK	F.B.-PG: X1464-48



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2012015.27 FEET
EASTING: 403664.18 FEET
LATITUDE: 29° 51' 57.03630" N
LONGITUDE: 81° 47' 47.83592" W
CONVERGENCE: -0° 23' 48.16897"
SCALE FACTOR: 1.000014231
NEAREST INTERVISIBLE STATION: CLAY 46



CLAY 46

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 11 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA.

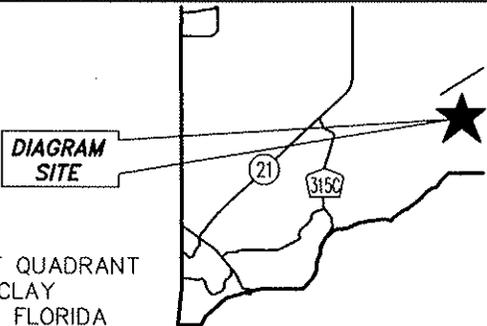
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 AND STATE ROAD NO. 21 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 4.5 MILES ON STATE ROAD NO. 21 TO SHARRON ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHEASTERLY 8.5 MILES ON SHARRON ROAD (COUNTY ROAD NO. 315) AND ITS TRANSITION TO SPRINGBANK ROAD TO HOGARTH ROAD (BEING SAUNDERS ROAD HEADING NORTH). THENCE PROCEED SOUTHERLY 3.4 MILES ON HOGARTH ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 29± FEET WESTERLY OF THE CENTERLINE OF HOGARTH ROAD, 110± FEET SOUTHERLY OF THE CENTERLINE OF SWEET MOODY ROAD AND 8.6± FEET NORTHEASTERLY OF A WITNESS POST.

REFERENCES

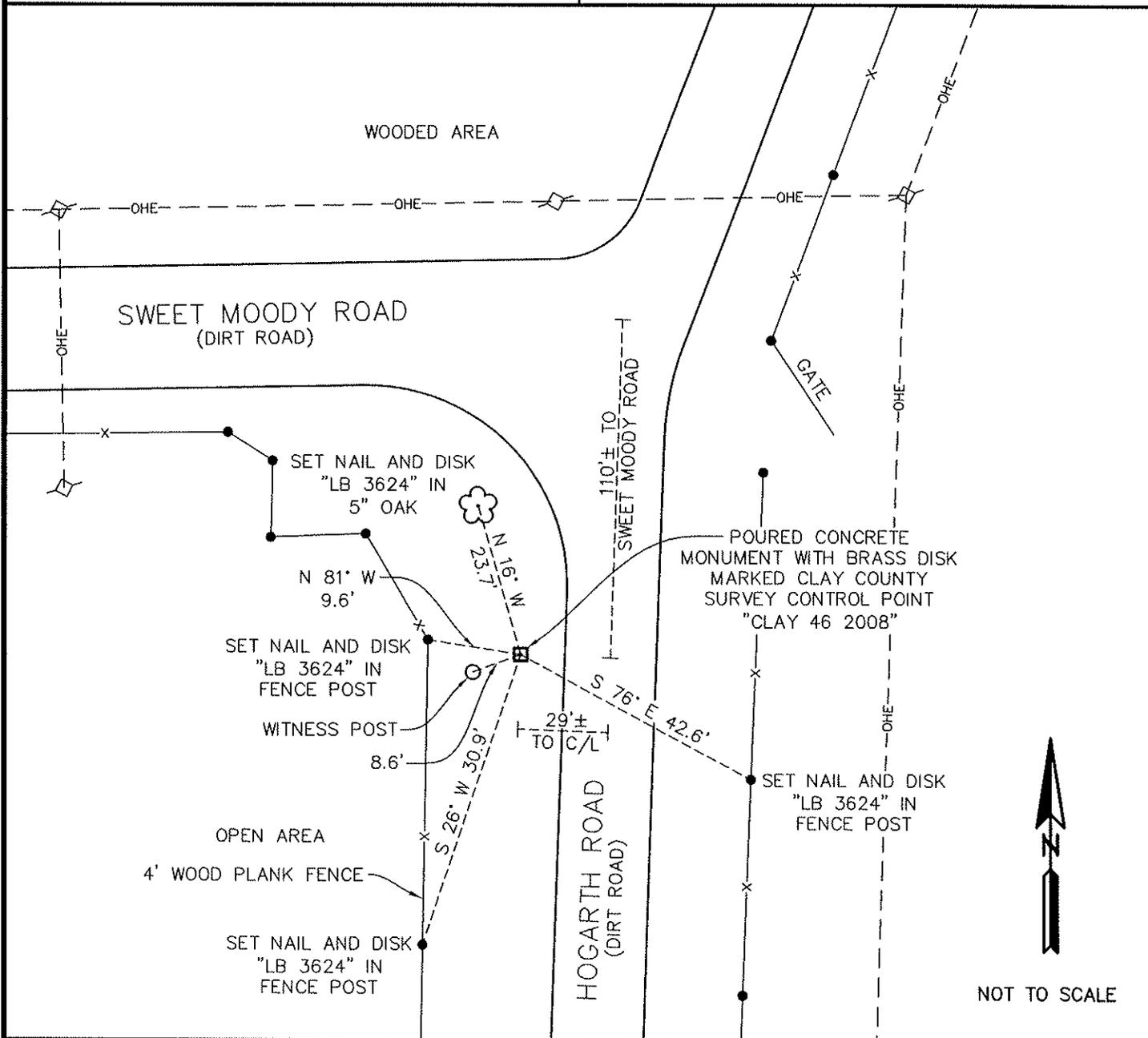
- 1) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 76° EAST AT 42.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 81° WEST AT 9.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 26° WEST AT 30.9 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 5" OAK, NORTH 16° WEST AT 23.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 46
DESC. BY: K. BAILEY	STAMPING: CLAY 46 2008	YEAR SET: 2008
SEC: 22 TWP: 7S RGE: 25E	USGS QUAD NAME: RICE CREEK	F.B.-PG: X1464-49



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2013203.71 FEET
EASTING: 403695.73 FEET
LATITUDE: 29° 52' 08.80217" N
LONGITUDE: 81° 47' 47.57107" W
CONVERGENCE: -0° 23' 48.17891"
SCALE FACTOR: 1.000014213
NEAREST INTERVISIBLE STATION: CLAY 45



CLAY 47

THE STATION IS LOCATED APPROXIMATELY 11 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 14 MILES NORTHWEST OF PALATKA, FLORIDA.

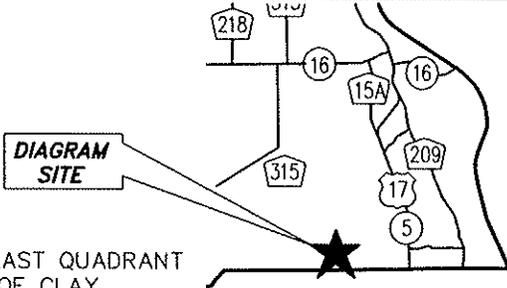
TO REACH THIS POINT, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND US HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 8.6 MILES ON US HIGHWAY NO. 17 TO WARNER ROAD. THENCE PROCEED WESTERLY AND SOUTHERLY 5.0 MILES ON WARNER ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 44± FEET WESTERLY OF THE CENTERLINE OF WARNER ROAD AND 4.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 16° EAST AT 79.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 19° WEST AT 25.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 19" OAK, NORTH 63° EAST AT 127.2 FEET.
- 4) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), SOUTH 74° EAST AT 61.4 FEET.

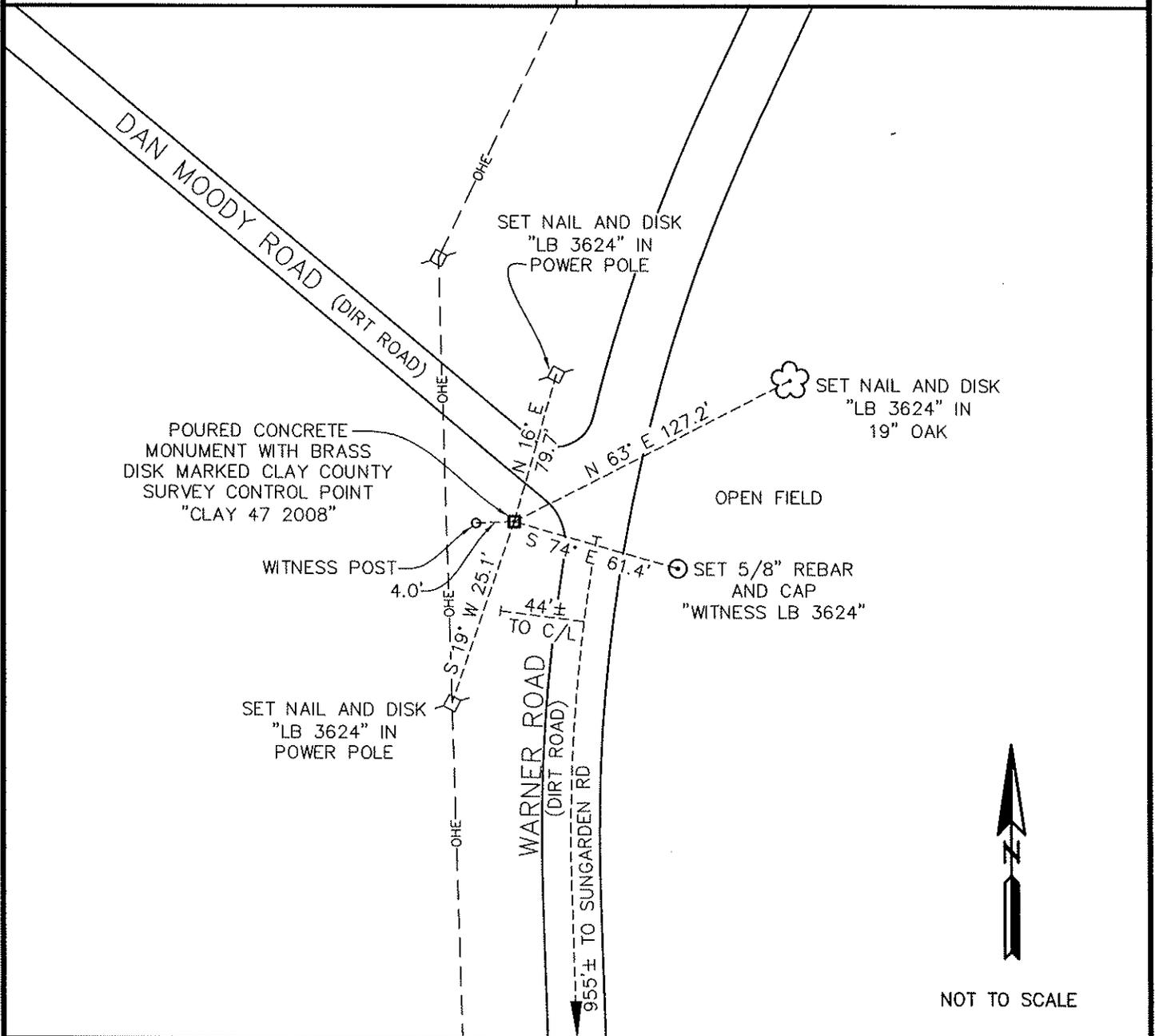
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 47
DESC. BY: K. BAILEY	STAMPING: CLAY 47 2008	YEAR SET: 2008
SEC: 19 TWP: 7S RGE: 26E	USGS QUAD NAME: BOSTWICK	F.B.—PG: X1464—50



SOUTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2002542.68 FEET
EASTING: 425681.99 FEET
LATITUDE: 29° 50' 24.7143" N
LONGITUDE: 81° 43' 37.10342" W
CONVERGENCE: -0° 21' 42.27866"
SCALE FACTOR: 1.000002047
NEAREST INTERVISIBLE STATION: CLAY 48



CLAY 48

THE STATION IS LOCATED APPROXIMATELY 11 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 15 MILES NORTHWEST OF PALATKA, FLORIDA.

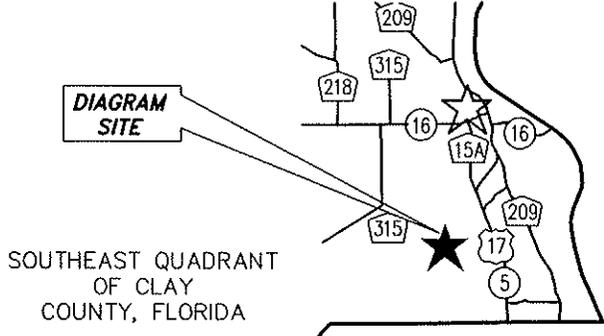
TO REACH THIS POINT, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND US HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 8.6 MILES ON US HIGHWAY NO. 17 TO WARNER ROAD. THENCE PROCEED WESTERLY AND SOUTHERLY 4.8 MILES ON WARNER ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 28± FEET NORTHWESTERLY OF THE CENTERLINE OF WARNER ROAD AND 2.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

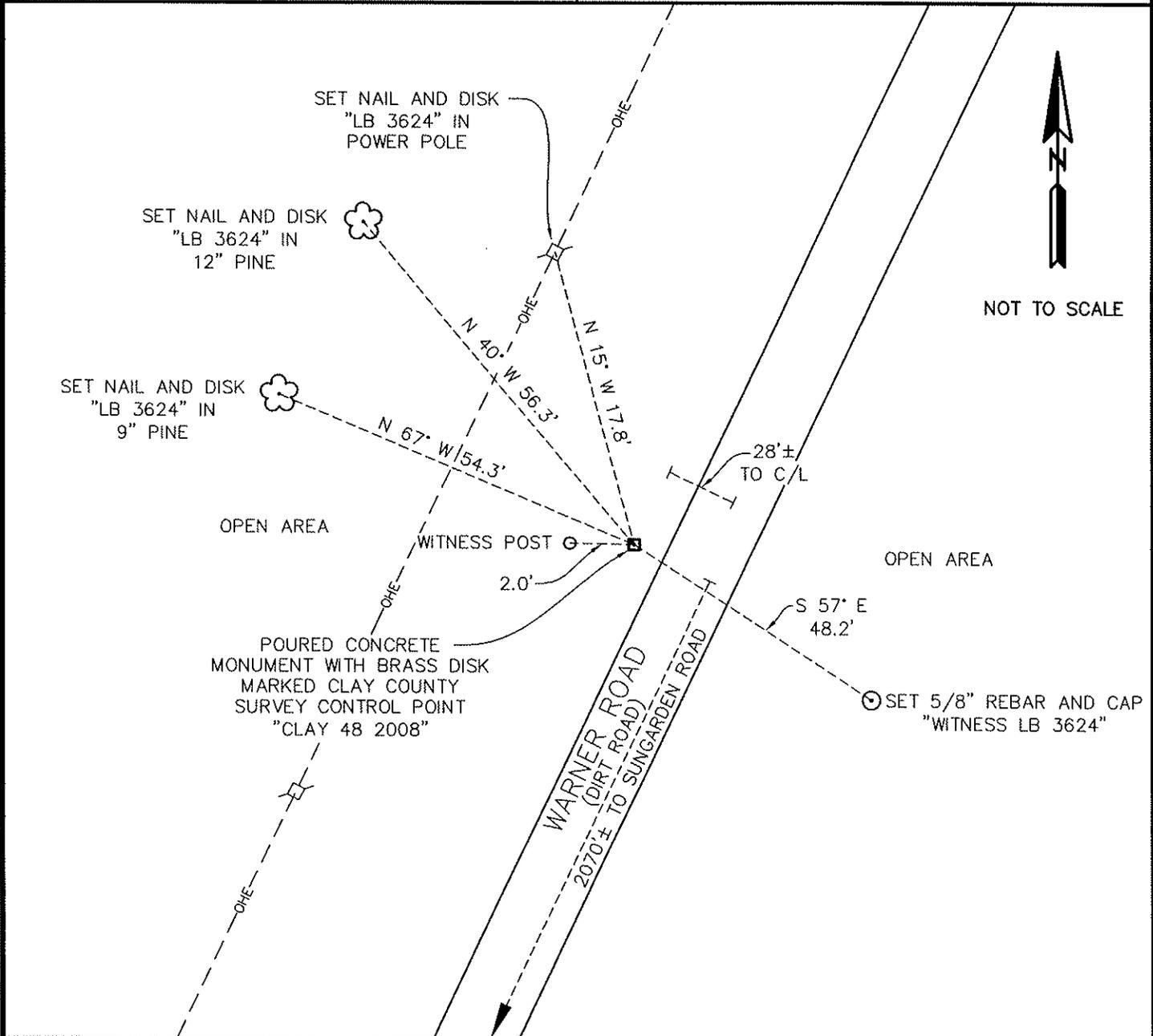
- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 15° WEST AT 17.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 12" PINE, NORTH 40° WEST AT 56.3 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 9" PINE, NORTH 67° WEST AT 54.3 FEET.
- 4) SET 5/8" REBAR WITH WITNESS CAP (LB 3624), SOUTH 57° EAST AT 48.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 48
DESC. BY: K. BAILEY	STAMPING: CLAY 48 2008	YEAR SET: 2008
SEC: 19 TWP: 7S RGE: 26E	USGS QUAD NAME: BOSTWICK	F.B.-PG: X1464-51



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2003560.36 FEET
EASTING: 426153.12 FEET
LATITUDE: 29° 50' 34.81732" N
LONGITUDE: 81° 43' 31.82694" W
CONVERGENCE: -0° 21' 39.76382"
SCALE FACTOR: 1.000001798
NEAREST INTERVISIBLE STATION: CLAY 47



SET NAIL AND DISK "LB 3624" IN POWER POLE

SET NAIL AND DISK "LB 3624" IN 12" PINE

SET NAIL AND DISK "LB 3624" IN 9" PINE

OPEN AREA

WITNESS POST

POURED CONCRETE MONUMENT WITH BRASS DISK MARKED CLAY COUNTY SURVEY CONTROL POINT "CLAY 48 2008"

SET 5/8" REBAR AND CAP "WITNESS LB 3624"

WARNER ROAD (DIRT ROAD)

2070± TO SUNGARDEN ROAD

28'± TO C/L

S 57° E 48.2'

N 15° W 17.8'

N 40° W 56.3'

N 67° W 54.3'

2.0'

OHE

CLAY 49

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 10 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

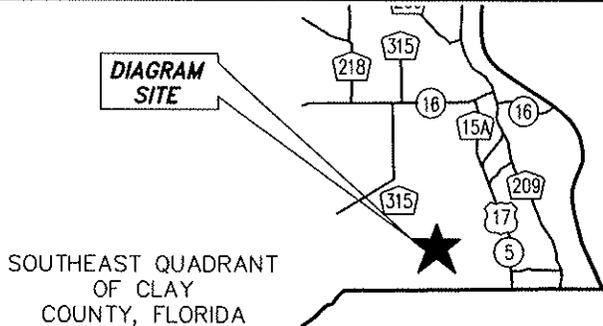
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND STATE ROAD NO. 16 EAST IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 8.6 MILES ON U.S. HIGHWAY NO. 17 TO WARNER ROAD. THENCE PROCEED WESTERLY 2.1 MILES ON WARNER ROAD TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 24± FEET SOUTHERLY OF THE CENTERLINE OF WARNER ROAD AND 2.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

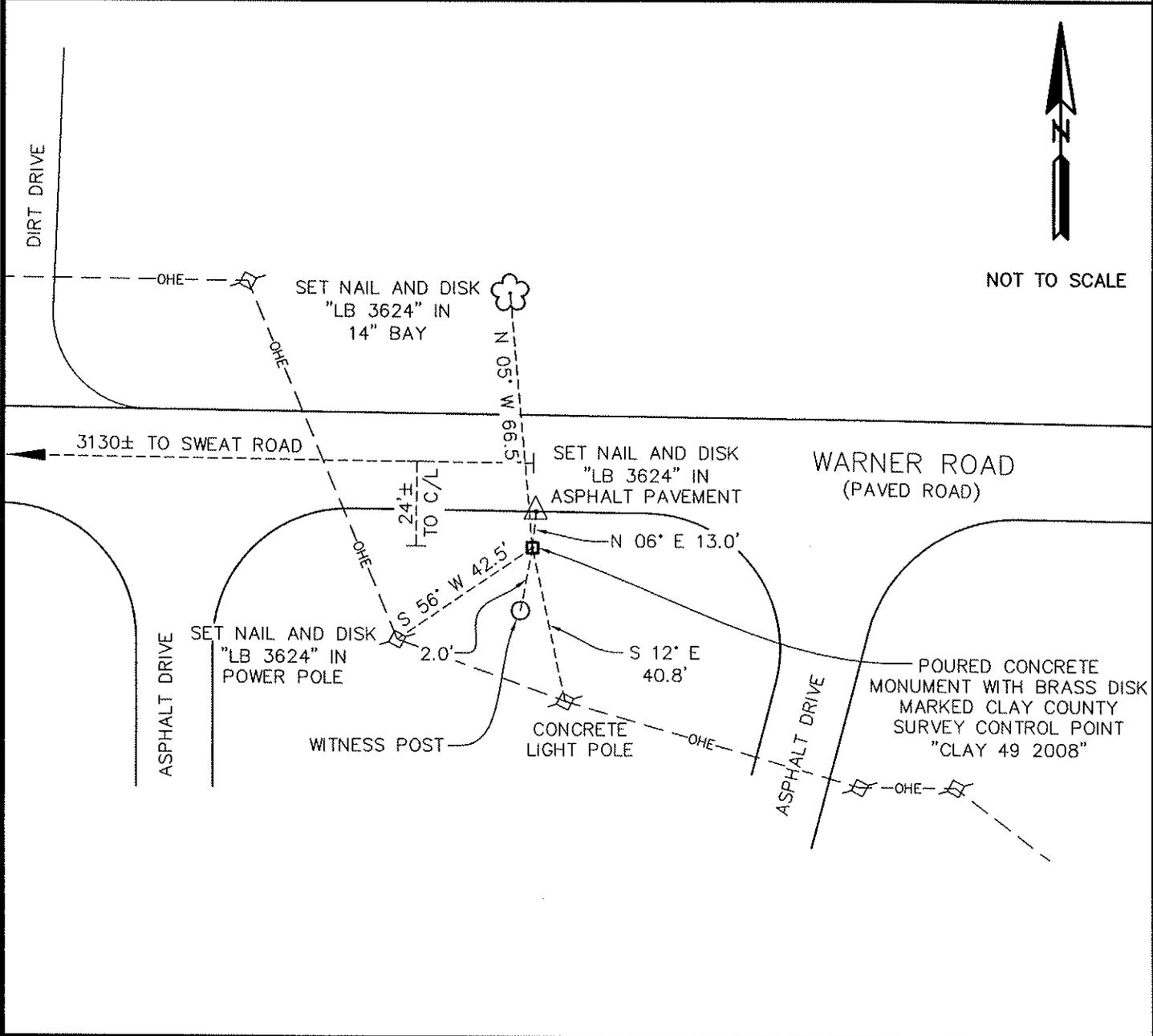
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 06° EAST AT 13.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 56° WEST AT 42.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 14" BAY, NORTH 05° WEST AT 66.5 FEET.
- 4) CONCRETE LIGHT POLE, SOUTH 08° EAST AT 40.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 49
DESC. BY: K. BAILEY	STAMPING: CLAY 49 2008	YEAR SET: 2008
SEC: 28 TWP: 7S RGE: 26E	USGS QUAD NAME: BOSTWICK	F.B.-PG: X1464-52



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2012594.88 FEET
EASTING: 434939.16 FEET
LATITUDE: 29° 52' 04.78449" N
LONGITUDE: 81° 41' 52.68905" W
CONVERGENCE: -0° 20' 51.37503"
SCALE FACTOR: 0.999997255
NEAREST INTERVISIBLE STATION: CLAY 50



CLAY 50

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 10 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

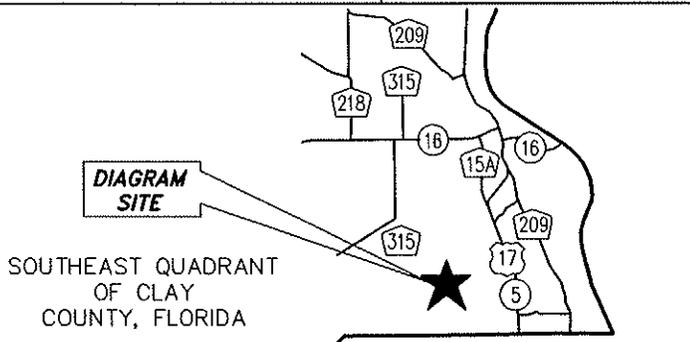
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND STATE ROAD NO. 16 EAST IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 8.6 MILES ON U.S. HIGHWAY NO. 17 TO WARNER ROAD. THENCE PROCEED WESTERLY 2.2 MILES ON WARNER ROAD TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 30± FEET SOUTHERLY OF CENTERLINE OF WARNER ROAD AND 2.0± NORTHERLY OF A WITNESS POST.

REFERENCES

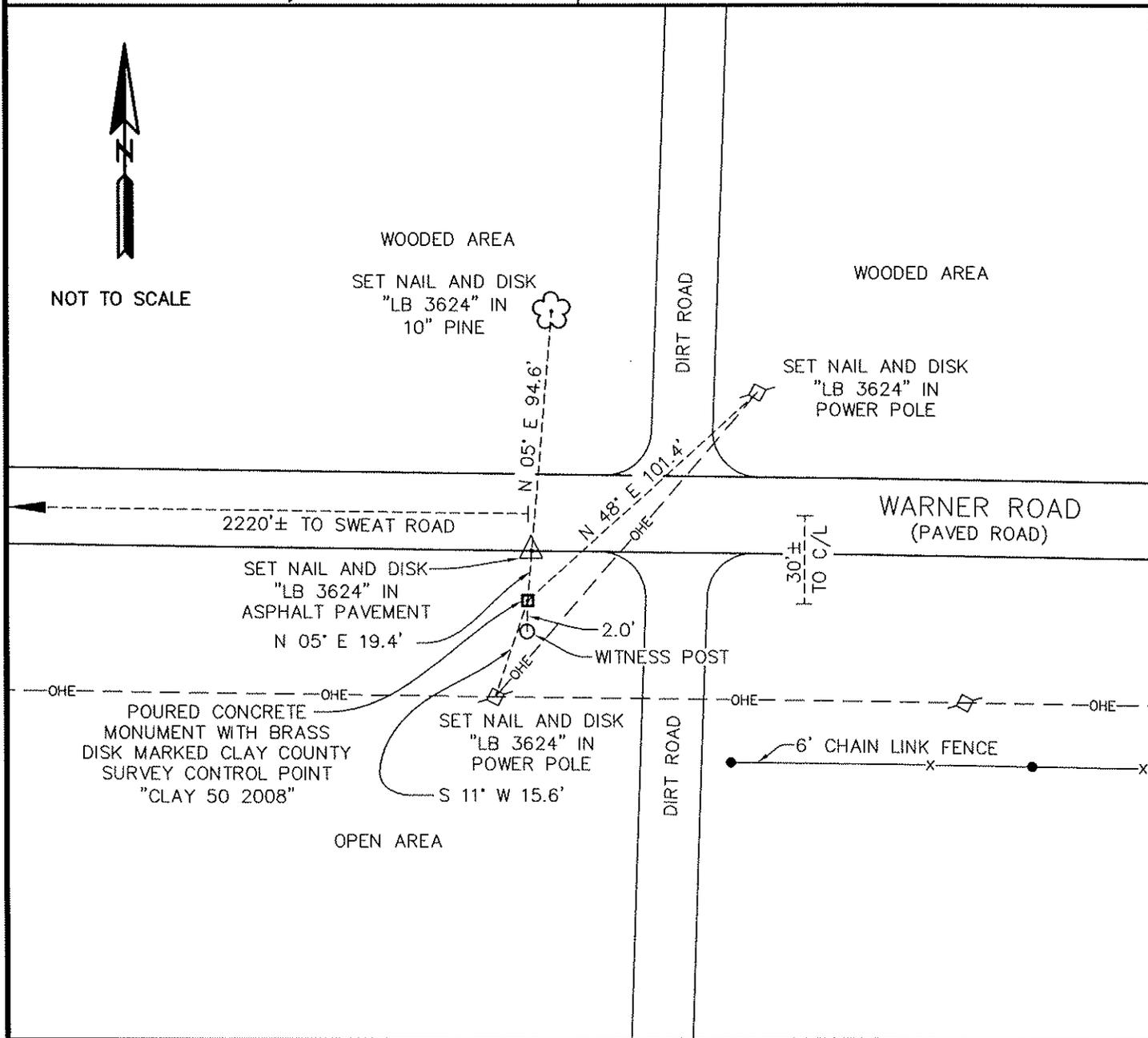
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° EAST AT 19.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 48° EAST AT 101.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 11° WEST AT 15.6 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 10" PINE, NORTH 05° EAST AT 94.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 50
DESC. BY: K. BAILEY	STAMPING: CLAY 50 2008	YEAR SET: 2008
SEC: 28 TWP: 7S RGE: 26E	USGS QUAD NAME: BOSTWICK	F.B.—PG: X1464—53



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2012599.40 FEET
EASTING: 434031.09 FEET
LATITUDE: 29° 52' 04.77450" N
LONGITUDE: 81° 42' 03.00251" W
CONVERGENCE: -0° 20' 56.51164"
SCALE FACTOR: 0.999997716
NEAREST INTERVISIBLE STATION: CLAY 49



CLAY 51

THE STATION IS LOCATED APPROXIMATELY 18 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 7 MILES SOUTH OF GREEN COVE SPRINGS, FLORIDA.

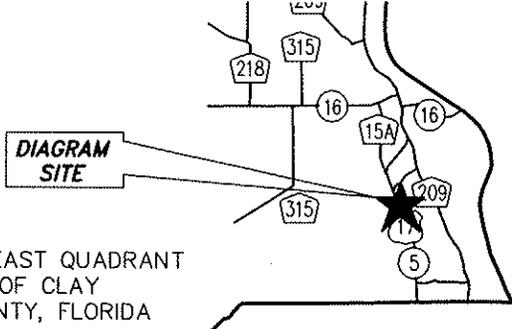
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U. S. HIGHWAY NO. 17 AND STATE ROAD NO. 16 EAST IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.3 MILES ON U. S. HIGHWAY NO. 17 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 34± FEET NORTHEASTERLY OF THE CENTERLINE OF THE NORTHBOUND LANES OF U. S. HIGHWAY NO. 17 AND 2.0± FEET SOUTHWESTERLY OF A WITNESS POST.

REFERENCES

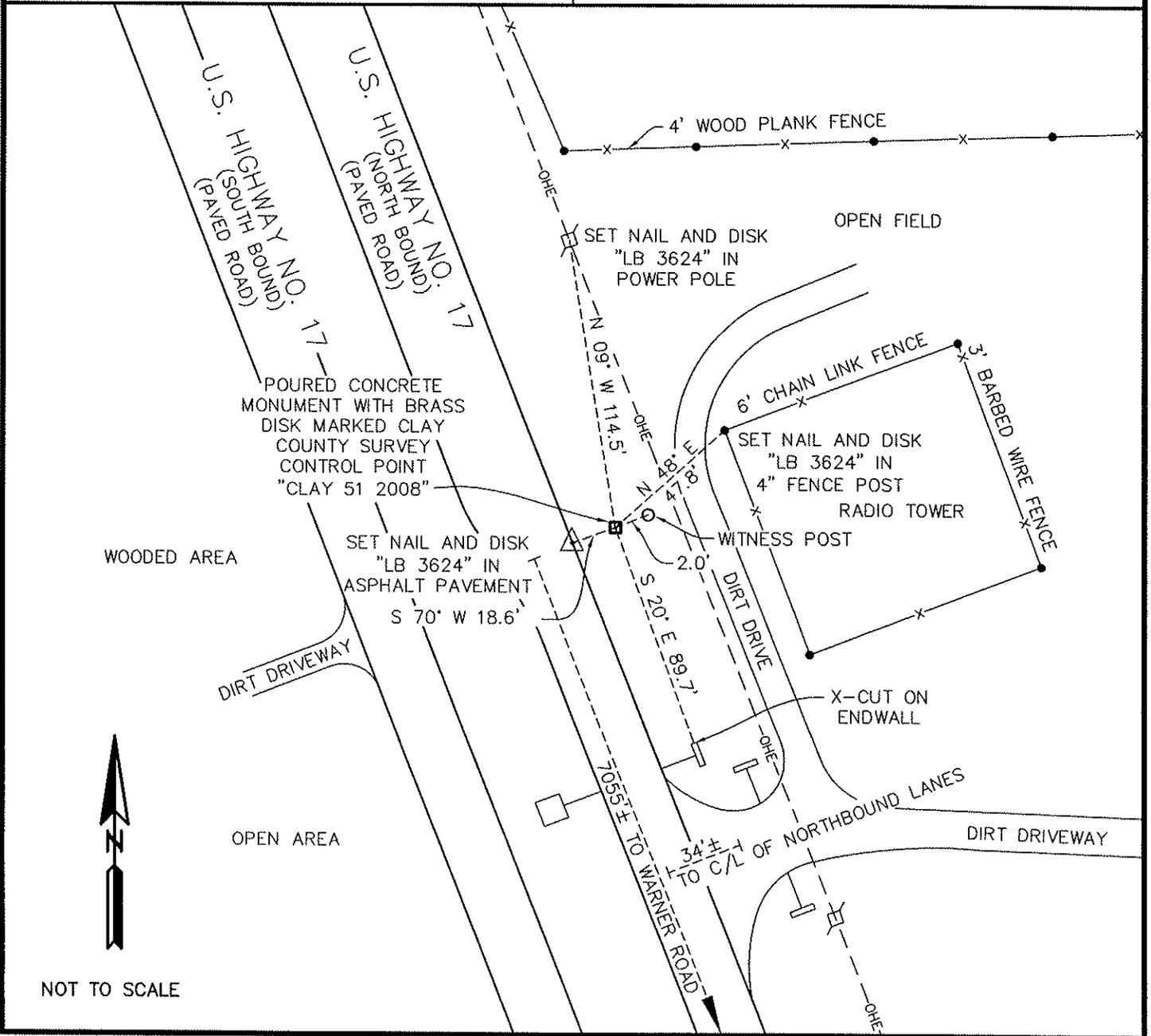
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 70° WEST AT 18.65 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 09° WEST AT 114.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 4" FENCE POST, NORTH 48° EAST AT 47.8 FEET.
- 4) SET X-CUT ON ENDWALL, SOUTH 20° EAST AT 89.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 51
DESC. BY: K. BAILEY	STAMPING: CLAY 51 2008	YEAR SET: 2008
SEC: 13 TWP: 7S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-54



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2019428.77 FEET
EASTING: 444745.48 FEET
LATITUDE: 29° 53' 13.00680" N
LONGITUDE: 81° 40' 01.76602" W
CONVERGENCE: -0° 19' 56.81780"
SCALE FACTOR: 0.999992393
NEAREST INTERVISIBLE STATION: CLAY 52



CLAY 52

THE STATION IS LOCATED APPROXIMATELY 17 MILES NORTHWEST OF PALATKA, FLORIDA AND APPROXIMATELY 7 MILES SOUTHEAST OF GREEN COVE SPRINGS, FLORIDA.

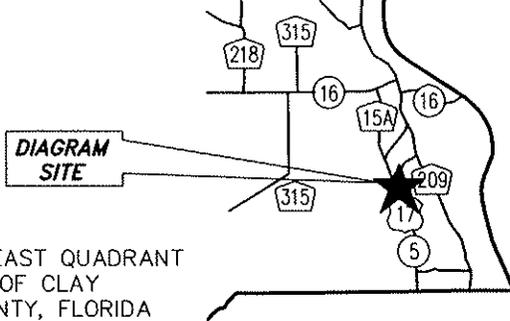
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U. S. HIGHWAY NO. 17 AND STATE ROAD NO. 16 EAST IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 7.5 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION IN THE CENTER MEDIAN OF U. S. HIGHWAY NO. 17. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 2.0± FEET NORTHWESTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 73° EAST AT 13.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 73° WEST AT 13.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 17° EAST AT 49.0 FEET.

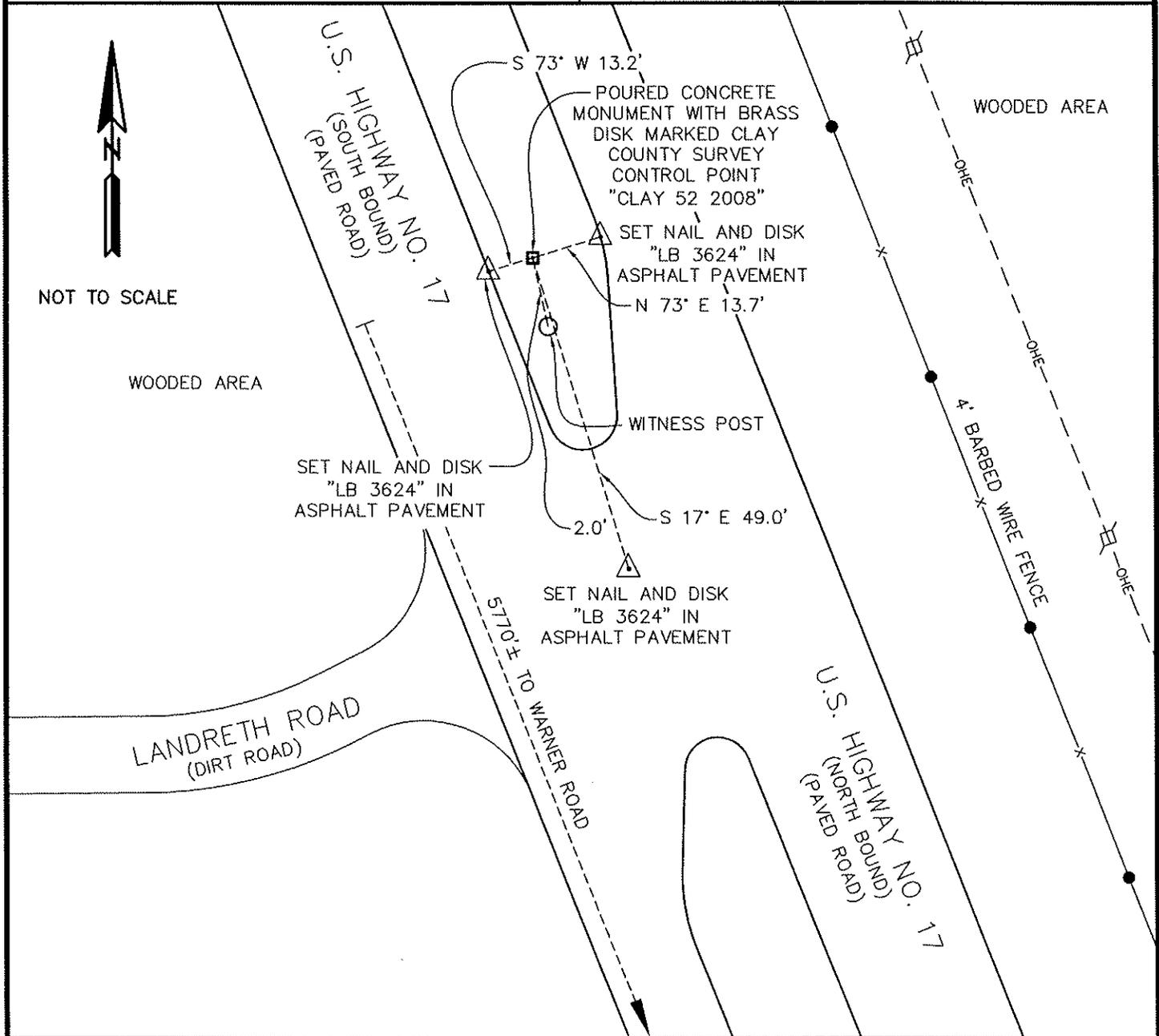
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 52
DESC. BY: K. BAILEY	STAMPING: CLAY 52 2008	YEAR SET: 2008
SEC: 14 TWP: 7S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-55



SOUTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2018207.32 FEET
EASTING: 445159.45 FEET
LATITUDE: 29° 53' 00.93982" N
LONGITUDE: 81° 39' 56.98324" W
CONVERGENCE: -0° 19' 54.31276"
SCALE FACTOR: 0.999992193
NEAREST INTERVISIBLE STATION: CLAY 51



CLAY 53

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 5 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST (IDLEWILD AVENUE) AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY ON STATE ROAD NO. 16 WEST 3.7 MILES TO SPRINGBANK ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHERLY 2.3 MILES ON SPRINGBANK ROAD (COUNTY ROAD NO. 315) TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 21± FEET EASTERLY OF THE CENTERLINE OF SPRINGBANK ROAD AND 2.0± FEET NORTHWESTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 70° WEST AT 10.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 18" LIVE OAK, NORTH 51° EAST AT 45.3 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 18" TURKEY OAK, SOUTH 09° EAST AT 56.1 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 69° WEST AT 76.8 FEET.

CLAY 54

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 5 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

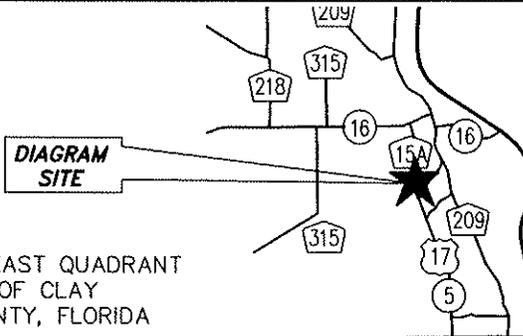
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST (IDLEWILD AVENUE) AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY ON STATE ROAD NO. 16 WEST 3.7 MILES TO SPRINGBANK ROAD (COUNTY ROAD NO. 315). THENCE PROCEED SOUTHERLY 2.5 MILES ON SPRINGBANK ROAD TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 21± FEET WESTERLY OF THE CENTERLINE OF SPRINGBANK ROAD, 65± FEET NORTHERLY OF EATON ROAD AND 2.0± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

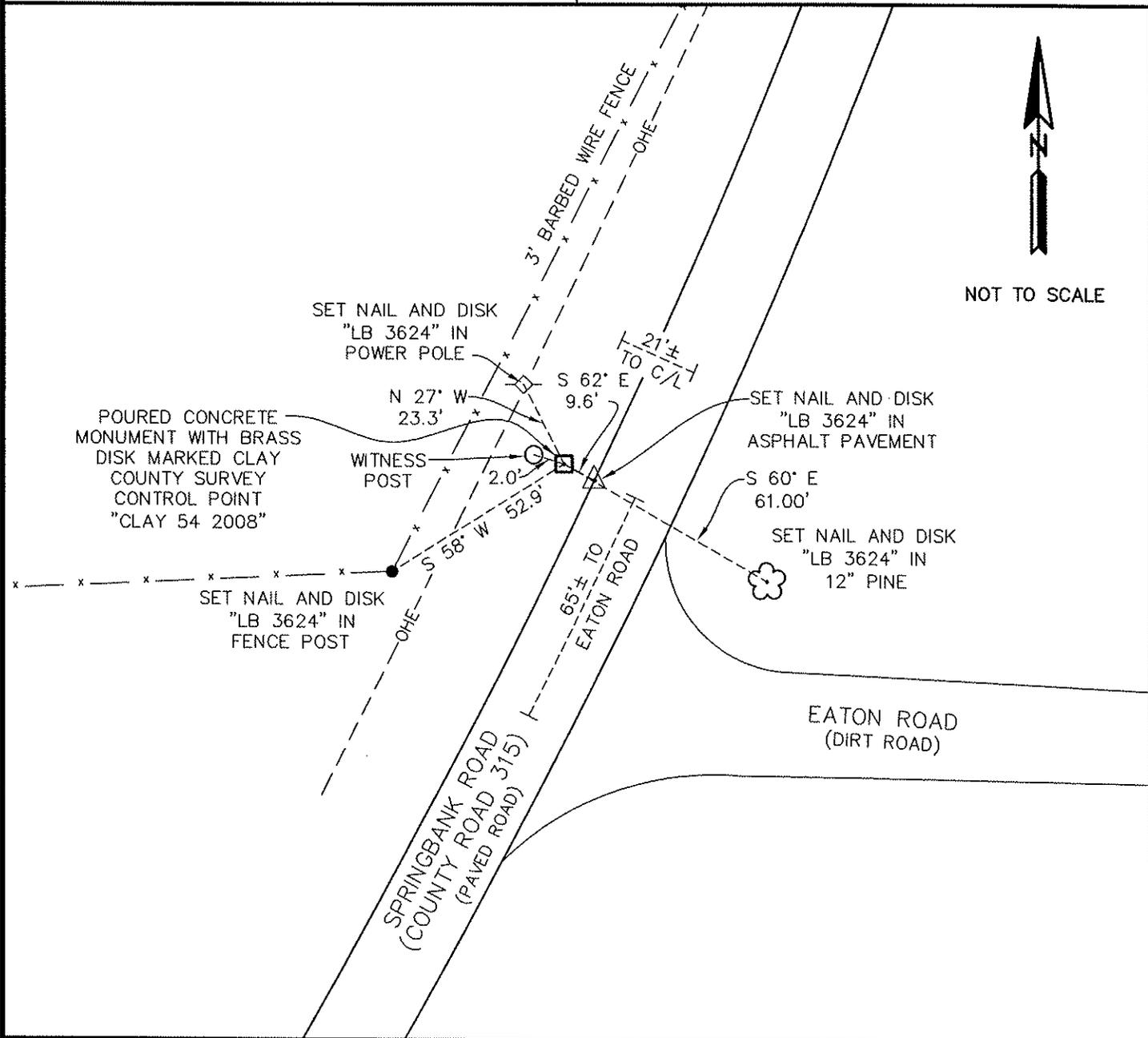
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 62°EAST AT 9.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 27° WEST AT 23.3 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 58° WEST AT 52.9 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 12" PINE, SOUTH 60° EAST AT 61.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 54
DESC. BY: K. BAILEY	STAMPING: CLAY 54 2008	YEAR SET: 2008
SEC: 30 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-57



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2041433.06 FEET
EASTING: 421408.69 FEET
LATITUDE: 29° 56' 49.40100" N
LONGITUDE: 81 44' 28.46969" W
CONVERGENCE: -0° 22' 12.15548"
SCALE FACTOR: 1.000004323
NEAREST INTERVISIBLE STATION: CLAY 53



CLAY 55

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 8 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

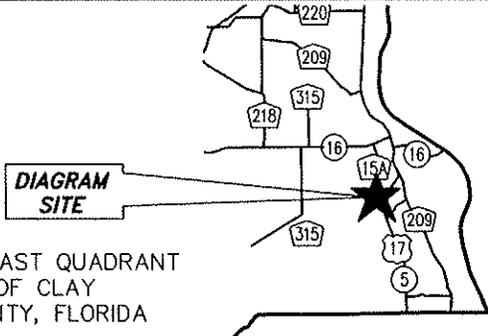
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 3.8 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 40± FEET WESTERLY OF THE CENTERLINE OF THE SOUTHBOUND LANES OF U.S. HIGHWAY NO. 17, 100± FEET NORTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 15A AND IS 2.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

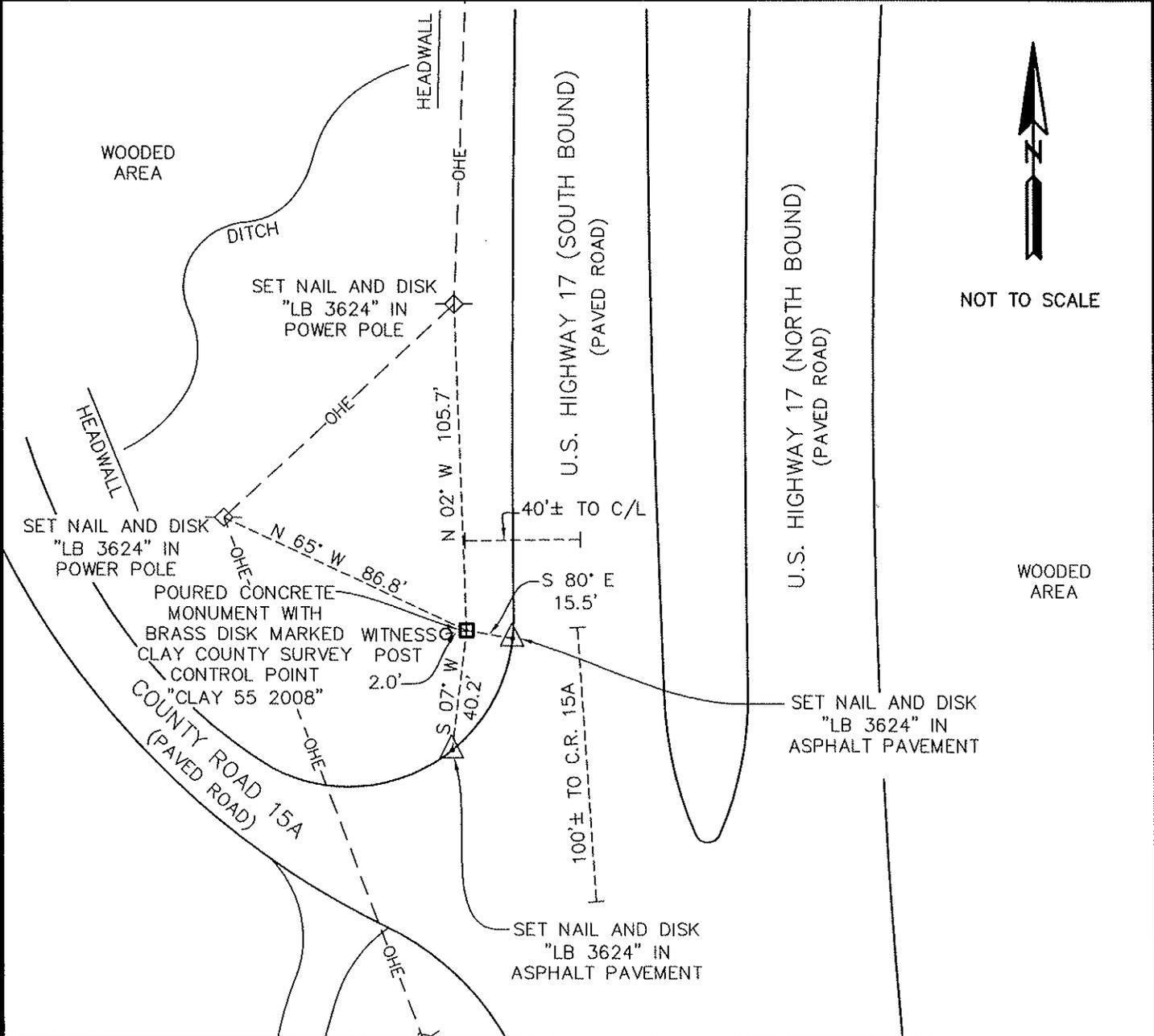
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 07° WEST AT 40.2 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° EAST AT 15.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 65° WEST AT 86.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 02° WEST AT 105.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 55
DESC. BY: K. BAILEY	STAMPING: CLAY 55 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-58



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2036658.48 FEET
EASTING: 438031.94 FEET
LATITUDE: 29° 56' 3.16482 N
LONGITUDE: 81° 41' 19.20115" W
CONVERGENCE: -0° 20' 37.17992"
SCALE FACTOR: 0.999995697
NEAREST INTERVISIBLE STATION: CLAY 56



CLAY 56

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 8 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

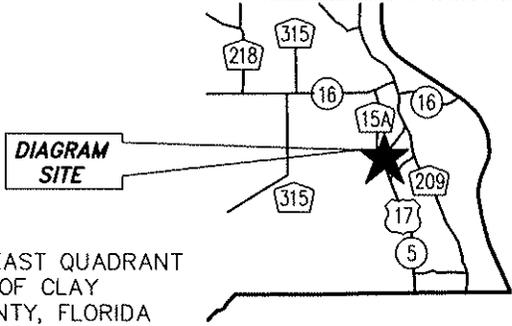
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 3.6 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION LYING WITHIN THE MEDIAN OF U.S. HIGHWAY NO. 17. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS AND 2.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

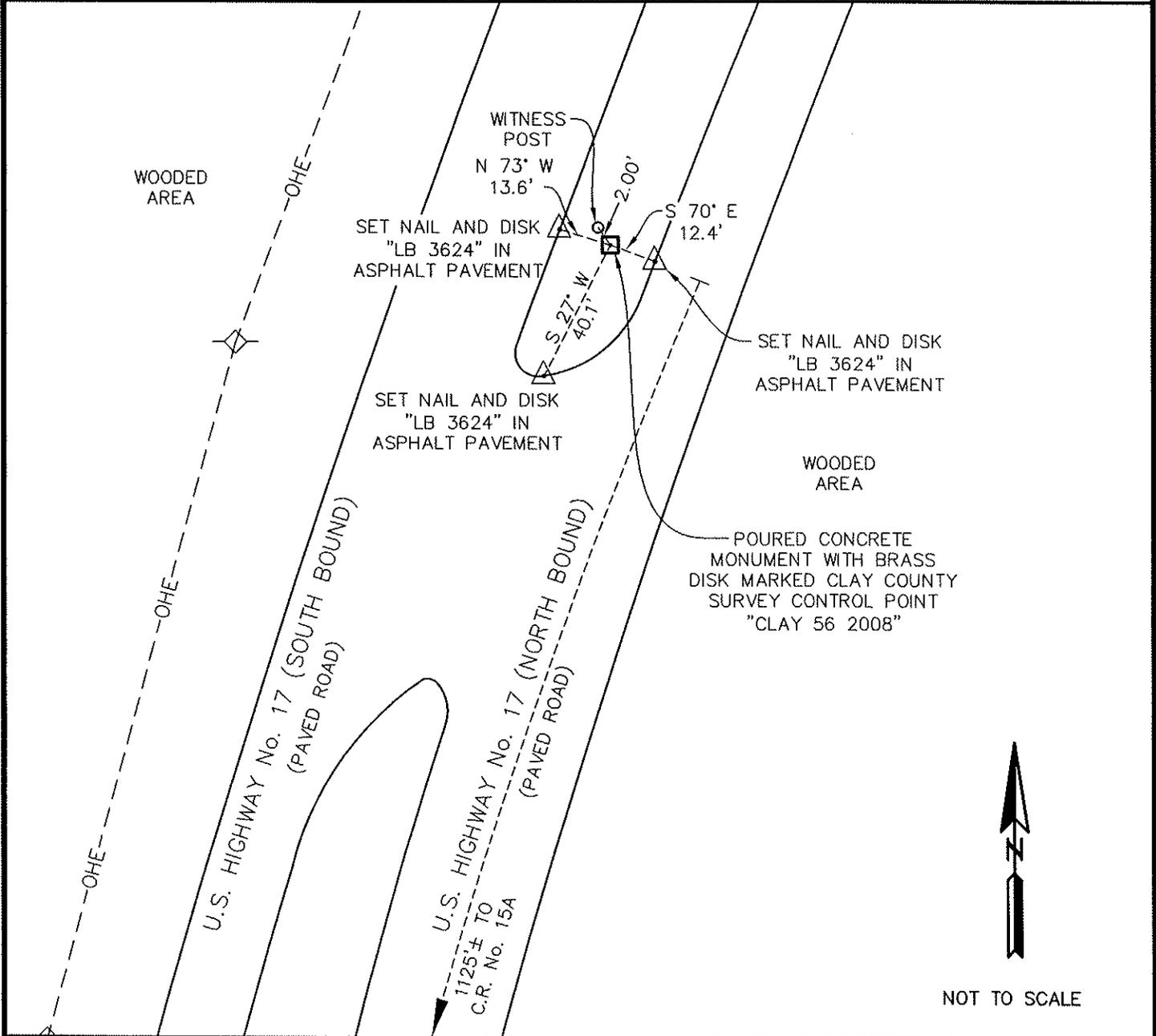
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 70° EAST AT 12.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 73° WEST AT 13.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 27° WEST AT 40.1 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 56
DESC. BY: K. BAILEY	STAMPING: CLAY 56 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-59



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2037748.04 FEET
EASTING: 438284.29 FEET
LATITUDE: 29° 56' 13.96481" N
LONGITUDE: 81° 41' 16.40743" W
CONVERGENCE: -0° 20' 35.89805"
SCALE FACTOR: 0.999995571
NEAREST INTERVISIBLE STATION: CLAY 55



CLAY 57

THIS STATION IS LOCATED APPROXIMATELY 9 MILES EAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 13 MILES SOUTHEAST OF ORANGE PARK, FLORIDA.

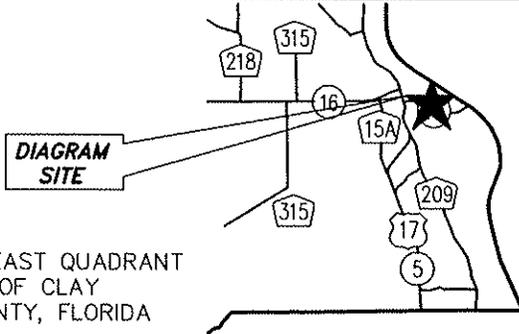
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 0.8 MILES ON STATE ROAD NO. 16 EAST TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 175± FEET SOUTHEASTERLY OF A RAILROAD CROSSING, 25± FEET NORTHERLY OF THE CENTERLINE OF THE WEST BOUND LANES OF STATE ROAD NO. 16 EAST AND 2.0± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

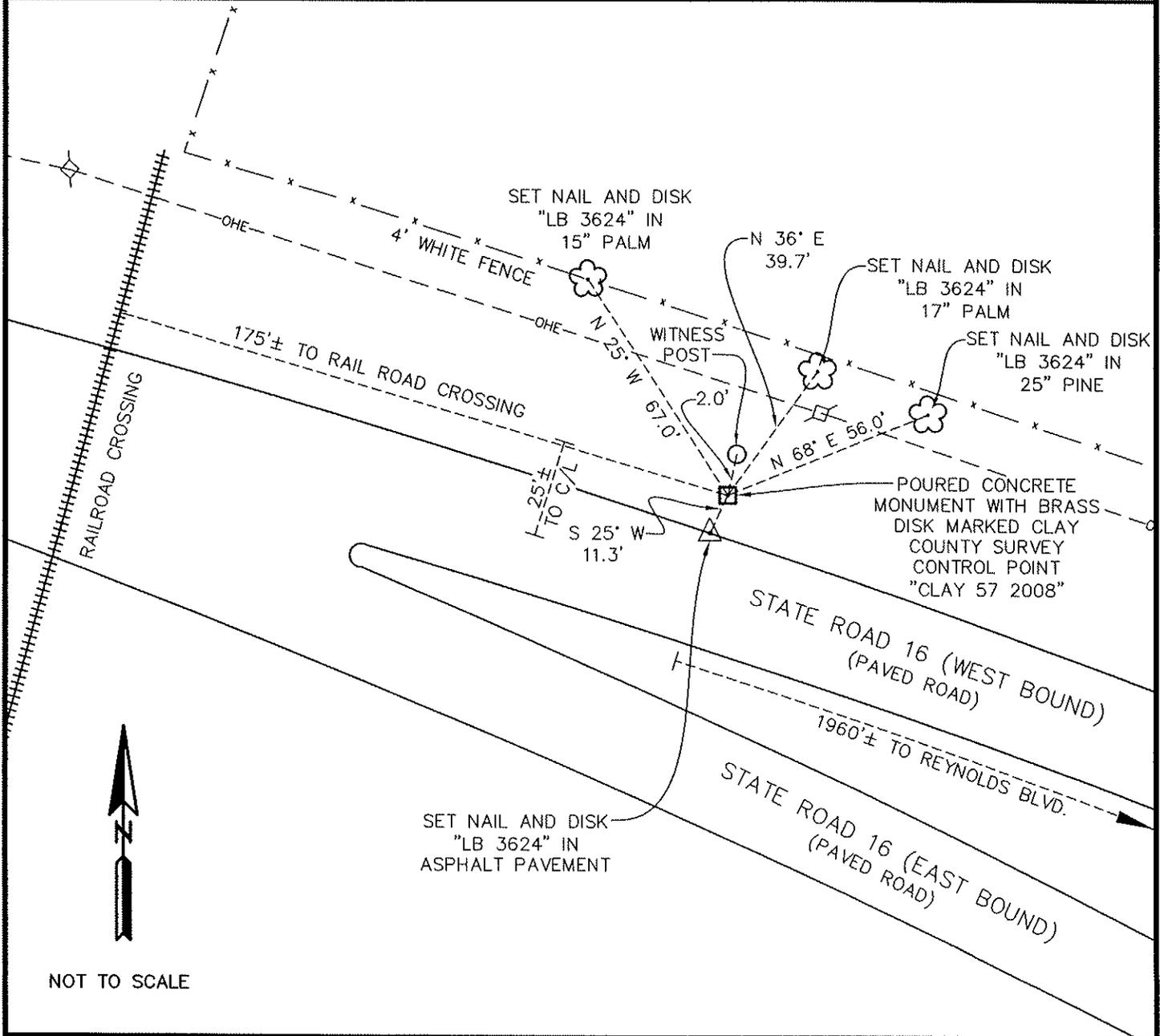
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 25° WEST AT 11.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 15" PALM, NORTH 33° WEST AT 67.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 17" PALM, NORTH 36° EAST AT 39.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 25" PINE, NORTH 68° EAST AT 56.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 57
DESC. BY: K. BAILEY	STAMPING: CLAY 57 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-60



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2054952.49 FEET
EASTING: 446492.39 FEET
LATITUDE: 29° 59' 04.74180" N
LONGITUDE: 81° 39' 44.24992" W
CONVERGENCE: -0° 19' 51.61217"
SCALE FACTOR: 0.999991549
NEAREST INTERVISIBLE STATION: CLAY 58



CLAY 58

THIS STATION IS LOCATED APPROXIMATELY 9 MILES EAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 13 MILES SOUTHEAST OF ORANGE PARK, FLORIDA.

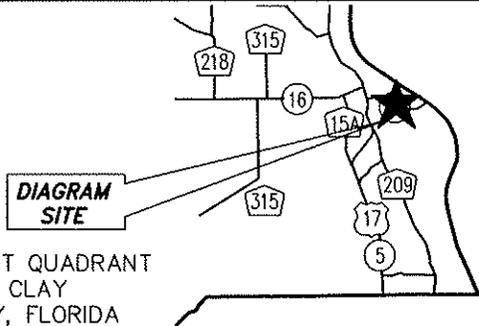
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 1.0 MILES ON STATE ROAD NO. 16 EAST TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 43± FEET SOUTHERLY OF THE CENTERLINE OF THE EAST BOUND LANES OF STATE ROAD NO. 16 AND 2.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

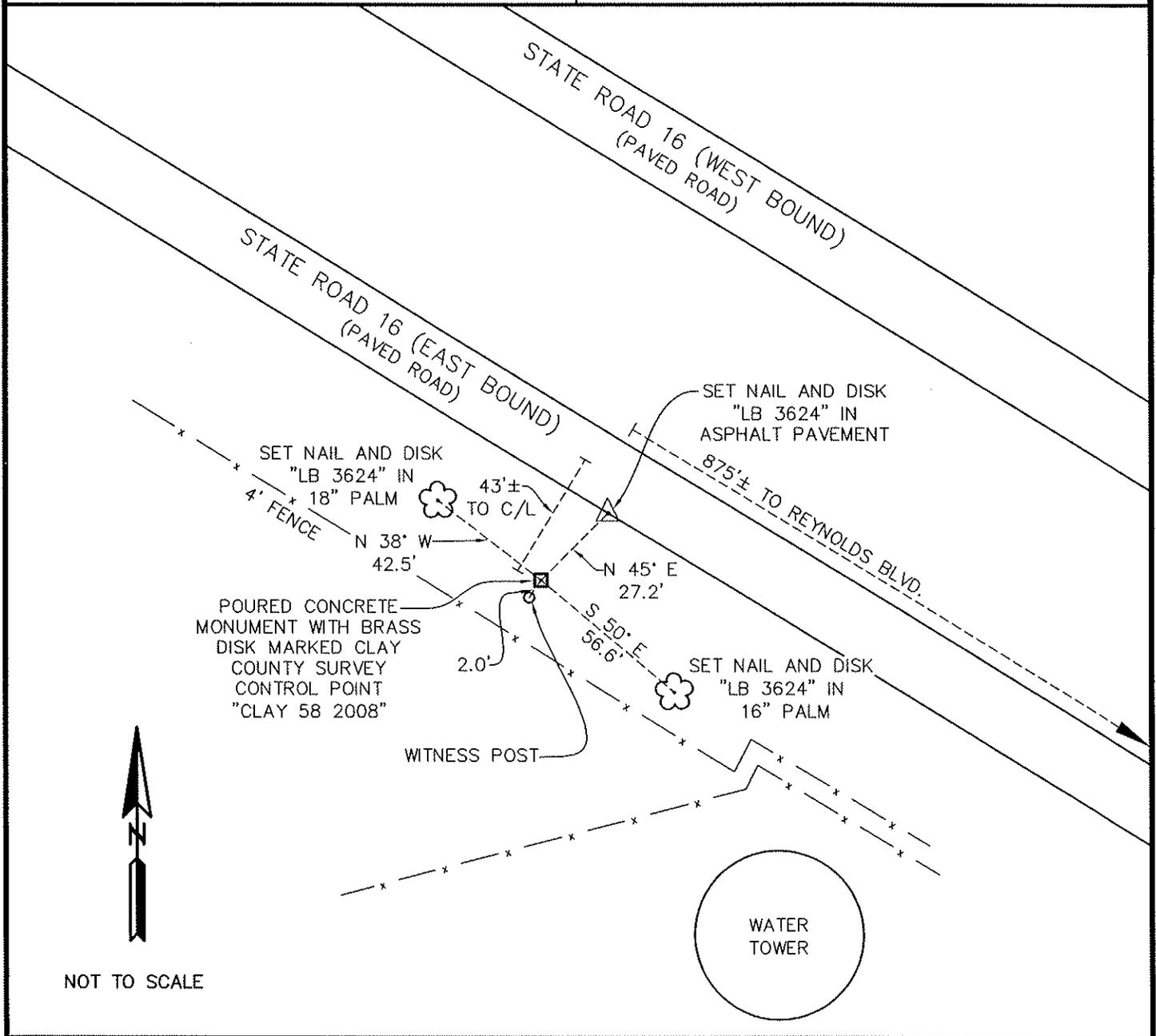
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 45° EAST AT 27.2 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 18" PALM, NORTH 38° WEST AT 42.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 16" PALM, SOUTH 50° EAST AT 56.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 58
DESC. BY: K. BAILEY	STAMPING: CLAY 58 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-61



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2054317.44 FEET
EASTING: 447371.40 FEET
LATITUDE: 29° 58' 58.50586" N
LONGITUDE: 81° 39' 34.21359" W
CONVERGENCE: -0° 19' 46.53366"
SCALE FACTOR: 0.999991128
NEAREST INTERVISIBLE STATION: CLAY 57



CLAY 59

THIS STATION IS LOCATED WITHIN GREEN COVE SPRINGS, FLORIDA, WHICH IS APPROXIMATELY 7 MILES NORTHEAST OF PENNEY FARMS, FLORIDA AND 12 MILES SOUTH OF ORANGE PARK, FLORIDA.

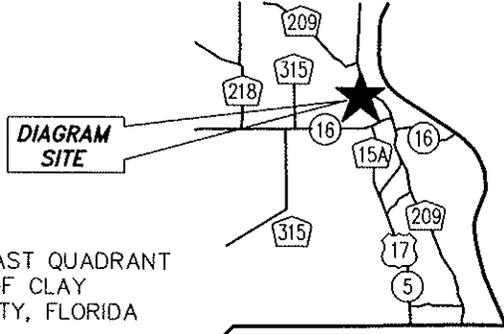
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 (ORANGE AVENUE) AND STATE ROAD NO. 16 WEST (FERRIS STREET) IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 330± FEET ON STATE ROAD NO 16 WEST (FERRIS STREET) TO PALMETTO AVENUE. THENCE PROCEED NORTHWESTERLY 0.8 MILES ON PALMETTO AVENUE TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 3.9± FEET EASTERLY OF THE EDGE OF SIDEWALK, 18± FEET WESTERLY OF THE CENTERLINE OF PALMETTO AVENUE AND 17.6± FEET EASTERLY OF A WITNESS POST.

REFERENCES

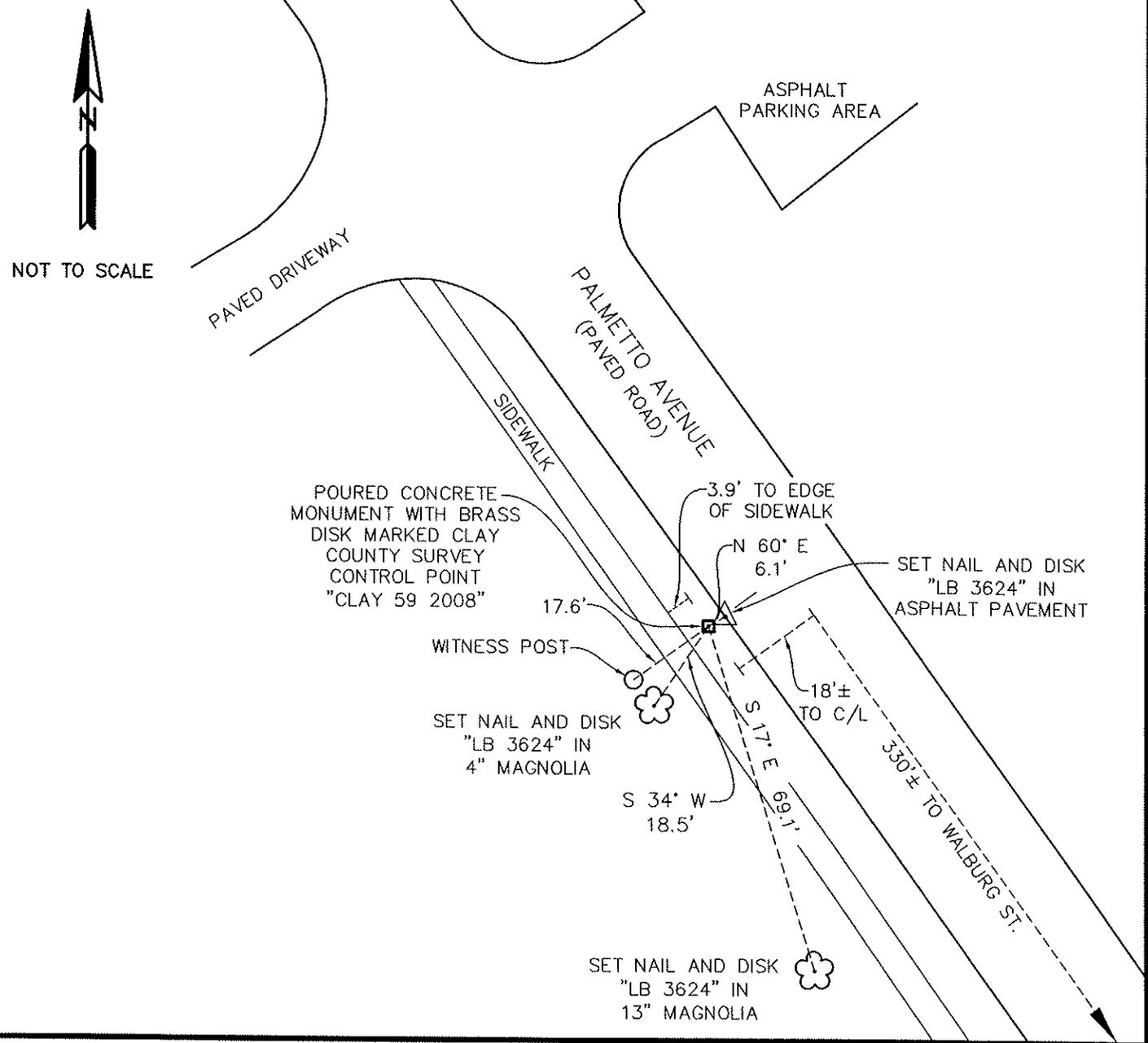
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 60° EAST AT 6.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 4" MAGNOLIA, SOUTH 34° WEST AT 18.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 13" MAGNOLIA, SOUTH 17° EAST AT 11.9 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 59
DESC. BY: K. BAILEY	STAMPING: CLAY 59 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-62



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2060840.76 FEET
EASTING: 439297.76 FEET
LATITUDE: 30° 00' 02.60814" N
LONGITUDE: 81° 41' 06.45698" W
CONVERGENCE: -0° 20' 33.30026"
SCALE FACTOR: 0.999995065
NEAREST INTERVISIBLE STATION: CLAY 60



CLAY 60

THIS STATION IS LOCATED WITHIN GREEN COVE SPRINGS, FLORIDA, WHICH IS APPROXIMATELY 8 MILES NORTHEAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 12 MILES SOUTHEAST OF ORANGE PARK, FLORIDA.

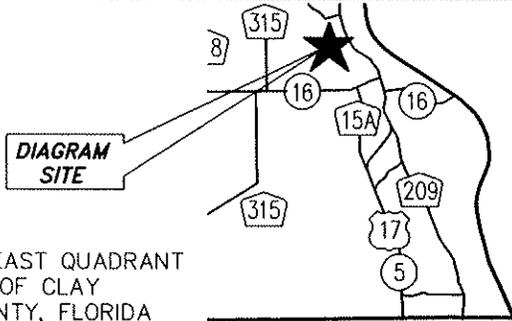
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 (ORANGE AVENUE) AND STATE ROAD NO. 16 WEST (FERRIS STREET) IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 330± FEET ON FERRIS STREET (STATE ROAD NO. 16 WEST) TO PALMETTO AVENUE. THENCE PROCEED NORTHWESTERLY 2400± FEET ON PALMETTO AVENUE TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 23± FEET EASTERLY OF THE CENTERLINE OF PALMETTO AVENUE, 18± FEET NORTHWESTERLY OF THE CENTERLINE OF MARTIN LUTHER KING JR. BOULEVARD AND 2.0± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 65° WEST AT 11.9 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN SIDEWALK, SOUTH 77° WEST AT 50.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 30° WEST AT 142.6 FEET.
- 4) FIRE HYDRANT, NORTH 16° WEST AT 22.8 FEET.
- 5) CONCRETE POWER POLE, SOUTH 30° EAST AT 47.4 FEET.

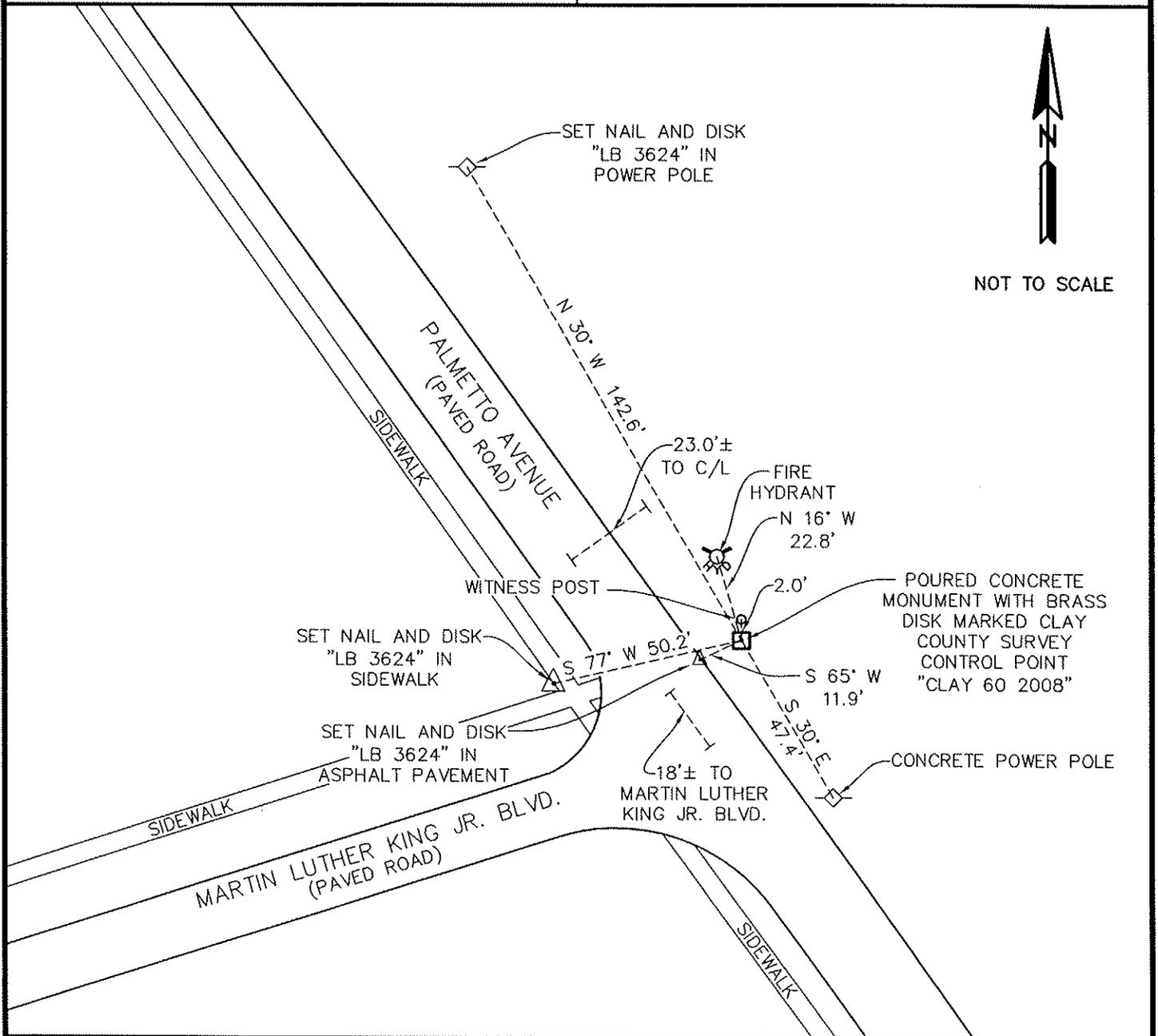
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 60
DESC. BY: K. BAILEY	STAMPING: CLAY 60 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-63



SOUTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2059812.05 FEET
EASTING: 440085.79 FEET
LATITUDE: 29° 59' 52.47207" N
LONGITUDE: 81° 40' 57.42559" W
CONVERGENCE: -0° 20' 28.67939"
SCALE FACTOR: 0.999994675
NEAREST INTERVISIBLE STATION: CLAY 59



CLAY 61

THIS STATION IS LOCATED APPROXIMATELY 2 MILES WEST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 6 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

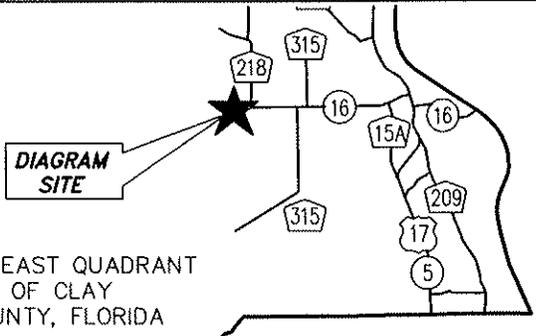
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.9 MILES ON STATE ROAD NO. 16 WEST TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 25± FEET SOUTHERLY OF THE CENTERLINE OF STATE ROAD NO. 16, 27± FEET EASTERLY OF THE CENTERLINE OF THUNDER ROAD AND 2.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 13° EAST AT 9.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 3" OAK, SOUTH 42° EAST AT 53.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN CENTER OF AERIAL TARGET, NORTH 44° WEST AT 36.0 FEET.
- 4) SET X-CUT ON END WALL, SOUTH 35° WEST AT 21.2 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN POWER POLE #32660758506, SOUTH 53° WEST, AT 48.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 61
DESC. BY: K. BAILEY	STAMPING: CLAY 61 2008	YEAR SET: 2008
SEC: 18 TWP: 6S RGE: 25E	USGS QUAD NAME: PENNY FARMS	F.B.-PG: X1464-64

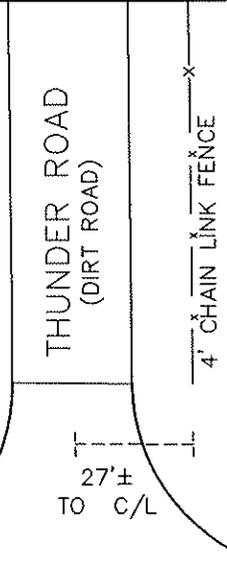


SOUTHEAST QUADRANT OF CLAY COUNTY, FLORIDA

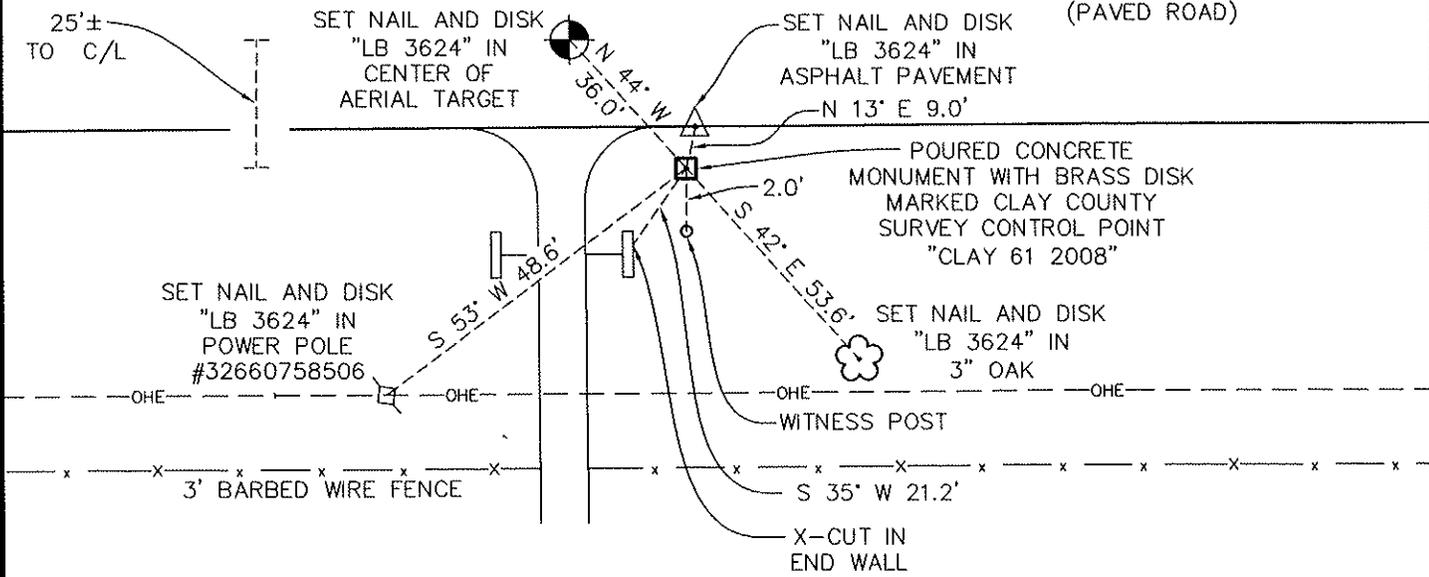
HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2054388.39 FEET
EASTING: 390403.81 FEET
LATITUDE: 29° 58' 55.52186" N
LONGITUDE: 81° 50' 21.94675" W
CONVERGENCE: -0° 25' 10.23751"
SCALE FACTOR: 1.000022104
NEAREST INTERVISIBLE STATION: CLAY 62



NOT TO SCALE



STATE ROAD NO. 16 WEST (PAVED ROAD)



CLAY 62

THIS STATION IS LOCATED APPROXIMATELY 2 MILES WEST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 6 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

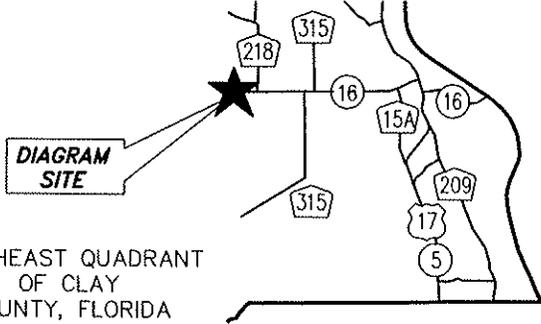
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 2.2 MILES ON STATE ROAD NO. 16 WEST TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 42± FEET NORTHERLY OF THE CENTERLINE OF STATE ROAD NO. 16 WEST AND 2.0± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

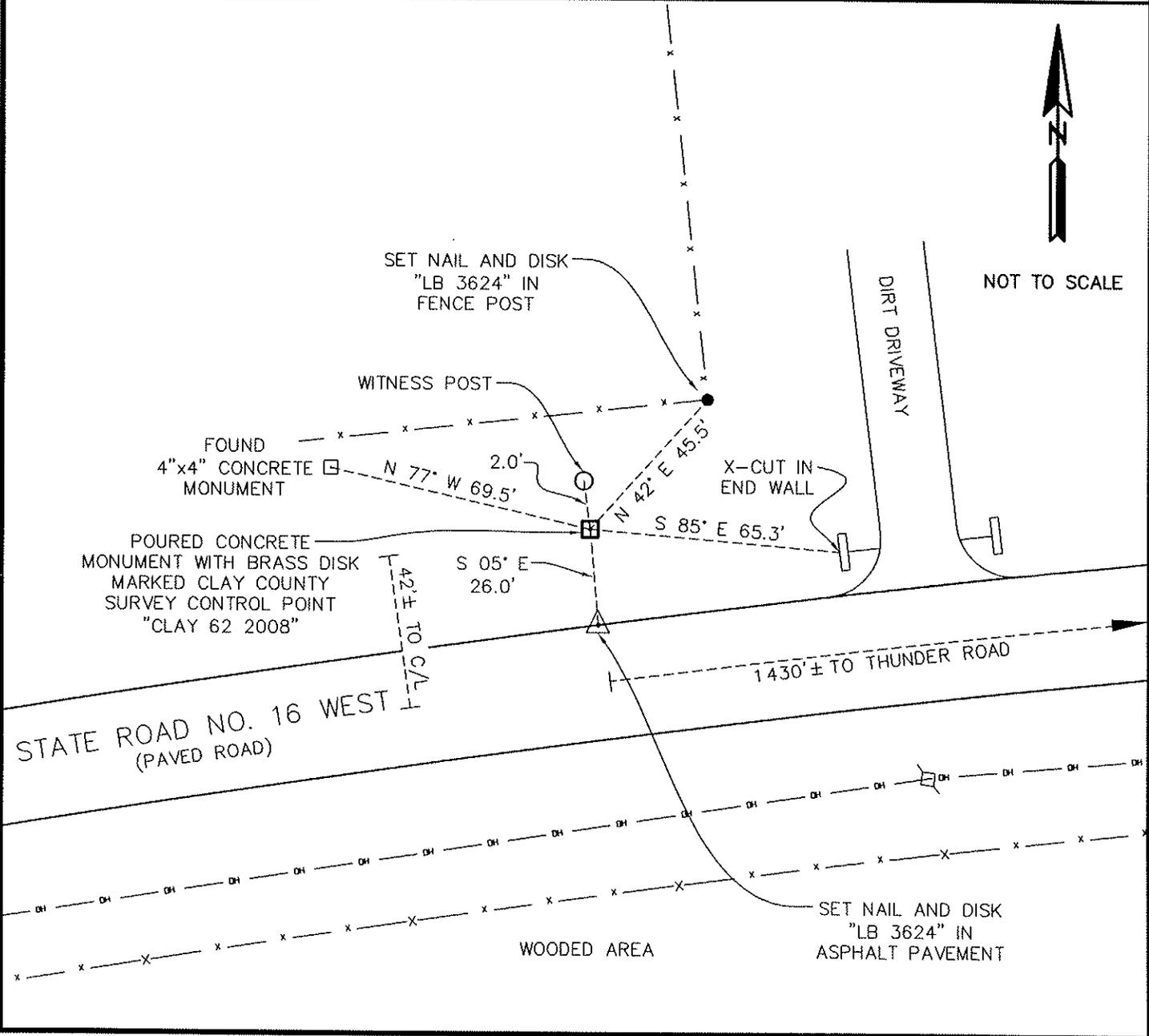
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 05° EAST AT 26.0 FEET.
- 2) SET X-CUT ON END WALL, SOUTH 85° EAST AT 65.3 FEET.
- 3) FOUND 4"X4" CONCRETE MONUMENT, NORTH 77° WEST AT 69.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 42° EAST AT 45.5 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 62
DESC. BY: K. BAILEY	STAMPING: CLAY 62 2008	YEAR SET: 2008
SEC: 7 TWP: 6S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-65



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2054398.83 FEET
EASTING: 388948.06 FEET
LATITUDE: 29° 58' 55.51943" N.
LONGITUDE: 81° 50' 38.49919" W
CONVERGENCE: -0° 25' 18.51058"
SCALE FACTOR: 1.000022993
NEAREST INTERVISIBLE STATION: CLAY 61



CLAY 63

THIS STATION IS LOCATED APPROXIMATELY 2 MILES EAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 13 MILES SOUTHWEST ORANGE PARK, FLORIDA.

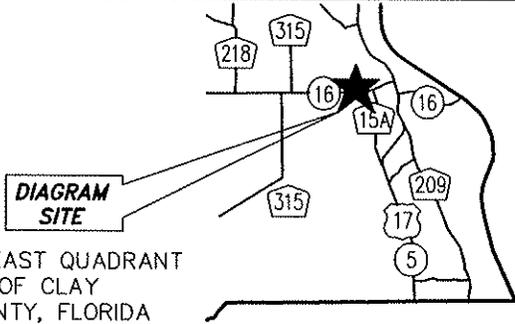
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 2.3 MILES ON STATE ROAD NO. 16 WEST TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 47± FEET NORTHERLY OF THE CENTERLINE OF STATE ROAD NO. 16, 63± FEET WESTERLY OF THE CENTERLINE OF PIER STATION ROAD WEST AND 2.0± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

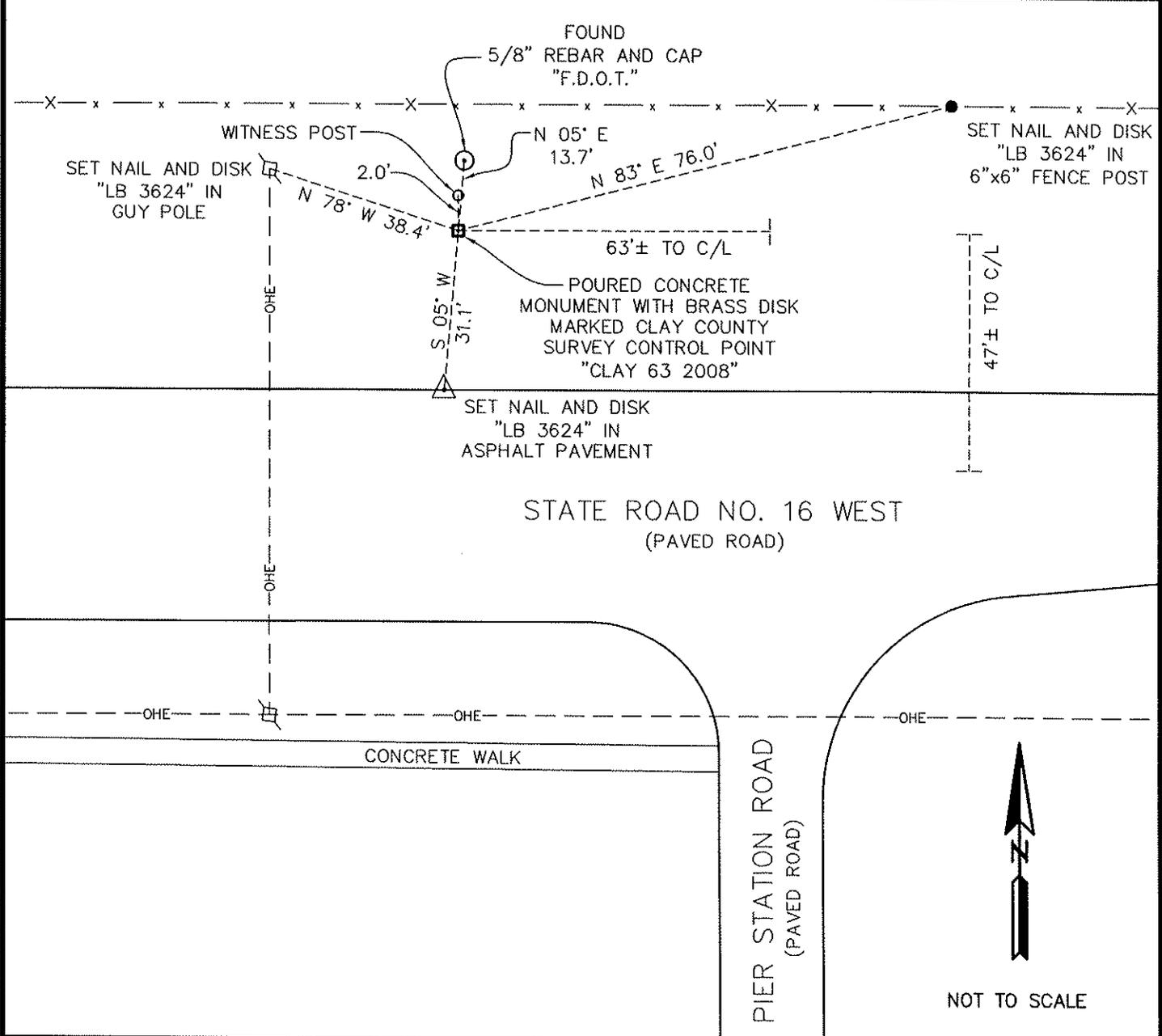
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 05° WEST AT 31.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN GUY POLE, NORTH 78° WEST AT 38.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 6"x 6" FENCE POST, NORTH 83° EAST AT 76.0 FEET.
- 4) FOUND 5/8" REBAR AND CAP (F.D.O.T.), NORTH 05° EAST AT 13.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 63
DESC. BY: K. BAILEY	STAMPING: CLAY 63 2008	YEAR SET: 2008
SEC: 14 TWP: 6S RGE: 25E	USGS QUAD NAME: PENNEY FARMS	F.B.-PG: X1464-66



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2054594.61 FEET
EASTING: 412727.02 FEET
LATITUDE: 29° 58' 59.11303" N
LONGITUDE: 81° 46' 8.14882" W
CONVERGENCE: -0° 23' 03.42996"
SCALE FACTOR: 1.00000908
NEAREST INTERVISIBLE STATION: CLAY 64



CLAY 64

THIS STATION IS LOCATED APPROXIMATELY 2 MILES EAST OF PENNEY FARMS, FLORIDA AND APPROXIMATELY 13 MILES SOUTHWEST OF ORANGE PARK, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 2.1 MILES ON STATE ROAD NO. 16 WEST TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 48± FEET SOUTHERLY OF THE CENTERLINE OF STATE ROAD NO. 16 AND 2.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 10° EAST AT 33.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN 6" OAK, SOUTH 41° WEST AT 28.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #F2935, SOUTH 83° WEST AT 26.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 59° EAST AT 21.3 FEET.

CLAY 65

THIS STATION IS LOCATED APPROXIMATELY 1 MILE SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 7 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

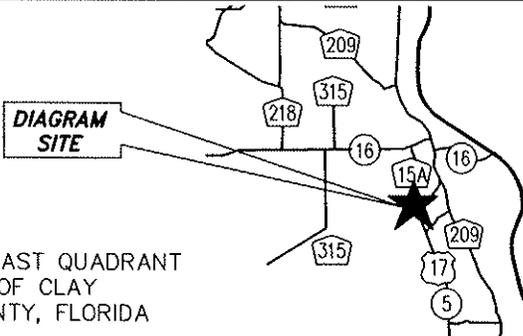
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 1.1 MILES ON STATE ROAD NO. 16 WEST TO COUNTY ROAD NO. 15A (OAKRIDGE AVENUE SOUTH). THENCE PROCEED SOUTHERLY 1 MILE ON COUNTY ROAD NO. 15A (OAKRIDGE AVENUE SOUTH) TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 20± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 15A (OAKRIDGE AVENUE SOUTH), 68± FEET NORTHERLY OF THE CENTERLINE OF NORTH ROAD AND 11.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 83° WEST AT 9.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 17° EAST AT 156.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 11° EAST AT 94.6 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 79° EAST AT 84.8 FEET.

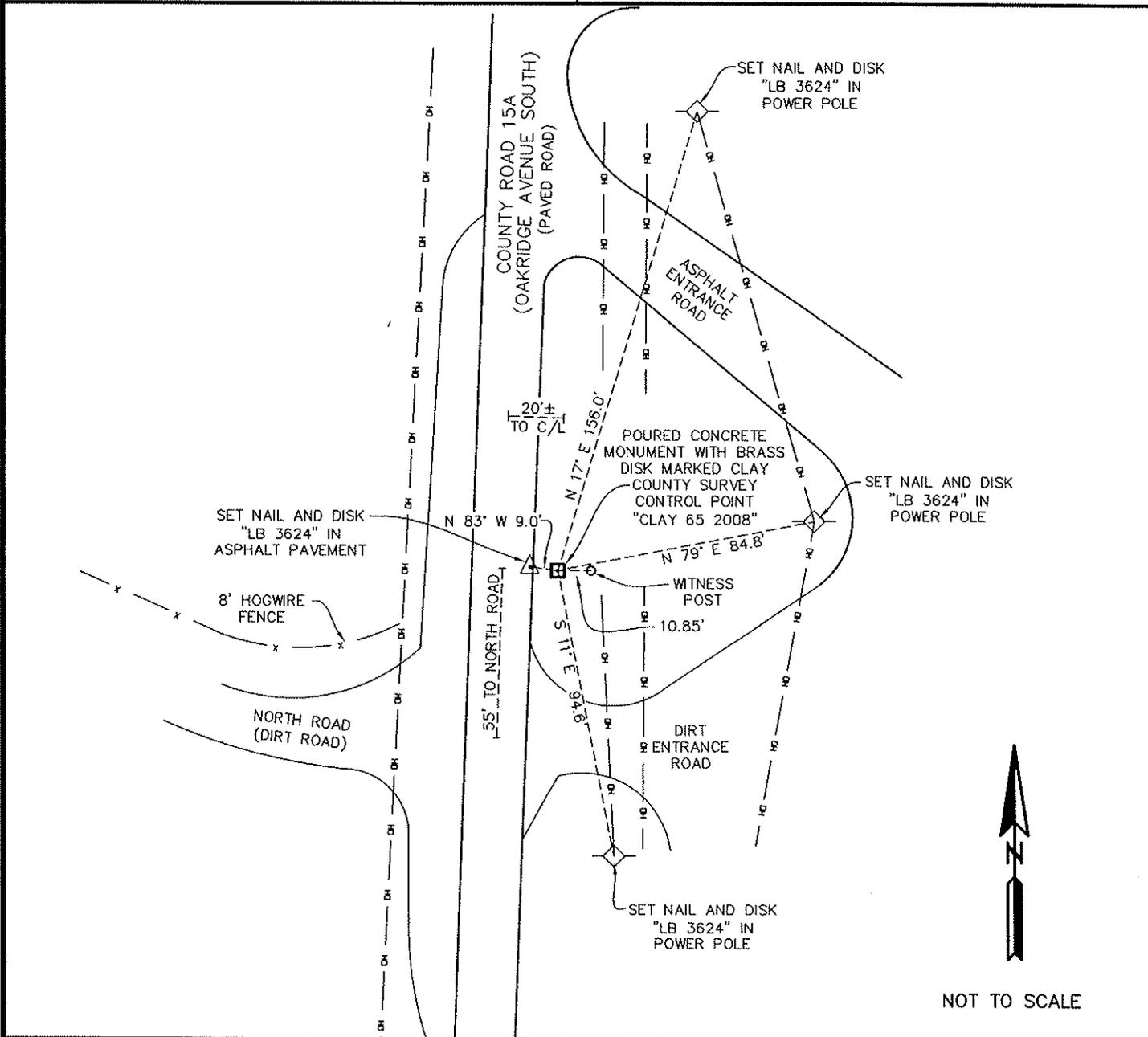
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 65
DESC. BY: K. BAILEY	STAMPING: CLAY 65 2008	YEAR SET: 2008
SEC: 15 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-68



SOUTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2050553.84 FEET
EASTING: 436729.55 FEET
LATITUDE: 29° 58' 20.63058" N
LONGITUDE: 81° 41' 34.95633" W
CONVERGENCE: -0° 20' 46.48340"
SCALE FACTOR: 0.99999635
NEAREST INTERVISIBLE STATION: CLAY 66



NOT TO SCALE

CLAY 66

THIS STATION IS LOCATED APPROXIMATELY 1 MILE SOUTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 7 MILES SOUTHEAST OF PENNEY FARMS, FLORIDA.

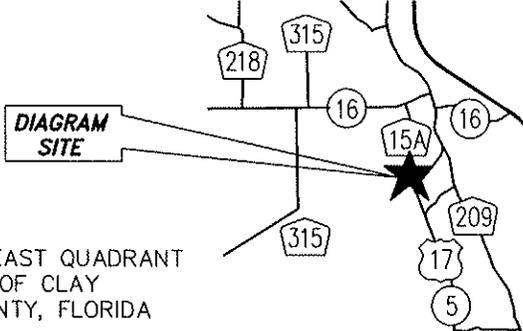
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHWESTERLY 1.1 MILES ON STATE ROAD NO. 16 WEST TO COUNTY ROAD NO. 15A (OAKRIDGE AVENUE SOUTH). THENCE PROCEED SOUTHERLY 0.7 MILES ALONG COUNTY ROAD NO. 15A (OAKRIDGE AVENUE SOUTH) TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 34± FEET EASTERLY OF THE CENTERLINE OF OAKRIDGE AVENUE SOUTH AND 5.8± FEET WESTERLY OF A WITNESS POST.

REFERENCES

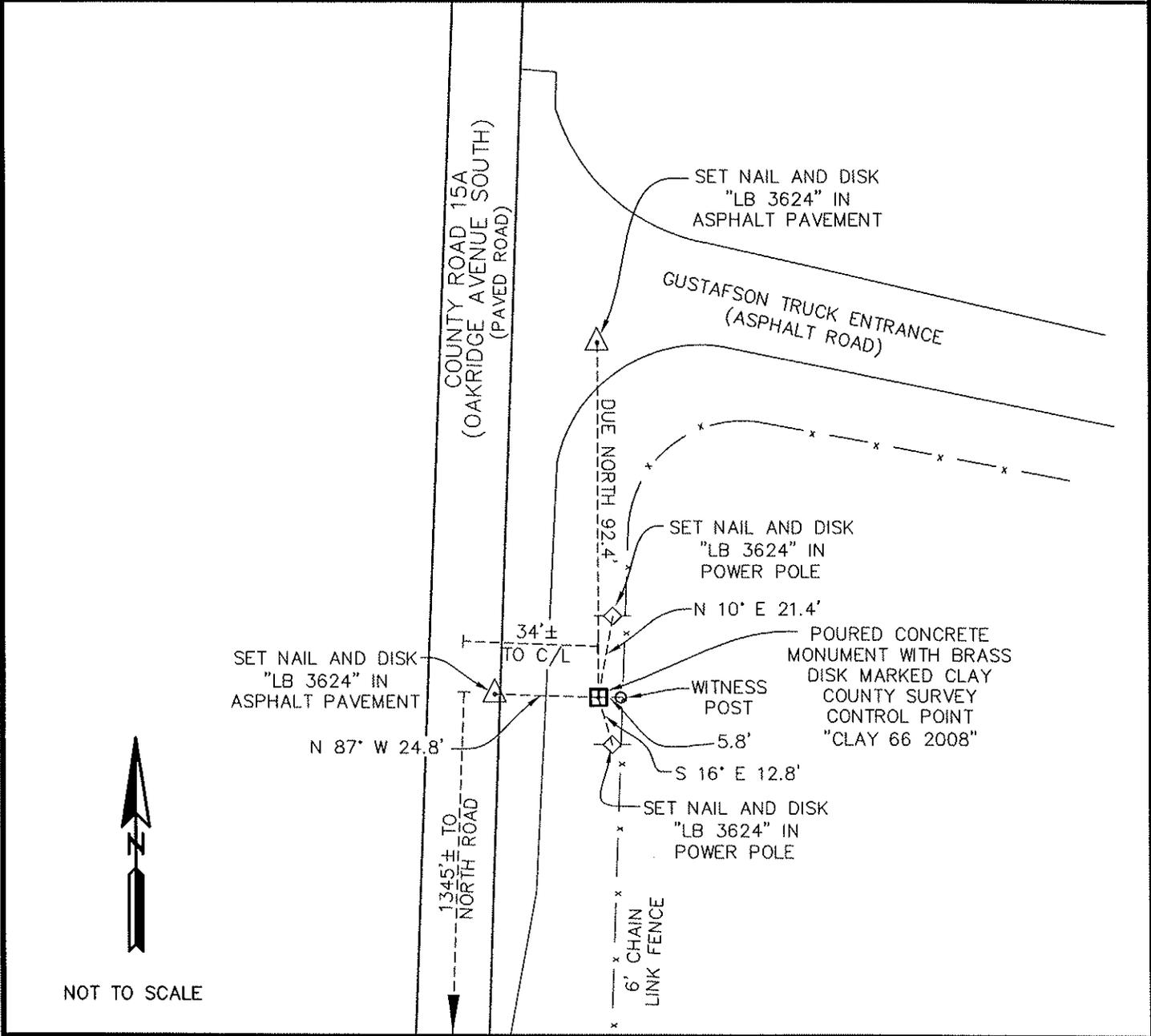
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 87° WEST AT 24.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 10° EAST AT 21.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 16° EAST AT 12.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE NORTH AT 92.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 66
DESC. BY: K. BAILEY	STAMPING: CLAY 66 2008	YEAR SET: 2008
SEC: 15 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1464-69



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2051833.07 FEET
EASTING: 436792.63 FEET
LATITUDE: 29° 58' 33.29680" N
LONGITUDE: 81° 41' 34.32694" W
CONVERGENCE: -0° 20' 46.30162"
SCALE FACTOR: 0.999996318
NEAREST INTERVISIBLE STATION: CLAY 65



CLAY 91

THE STATION IS LOCATED APPROXIMATELY 11 MILES SOUTH OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 13 MILES NORTH OF PALATKA, FLORIDA.

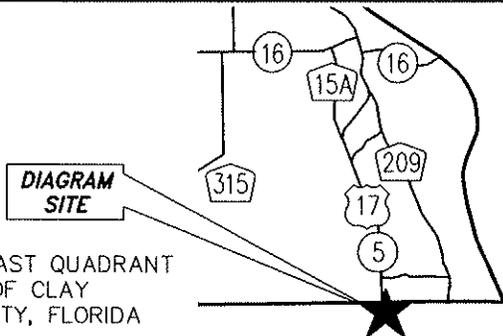
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 10.9 MILES ON U.S. HIGHWAY NO. 17 TO GUTHRIE ROAD AND THE STATION ON THE RIGHT IN PUTNAM COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS $56\pm$ FEET WESTERLY OF THE CENTERLINE OF SOUTHBOUND LANES OF U.S. HIGHWAY NO. 17, NEAR THE PROJECTED CENTERLINE OF GUTHRIE ROAD AND $10.2\pm$ FEET EASTERLY OF A WITNESS POST.

REFERENCES

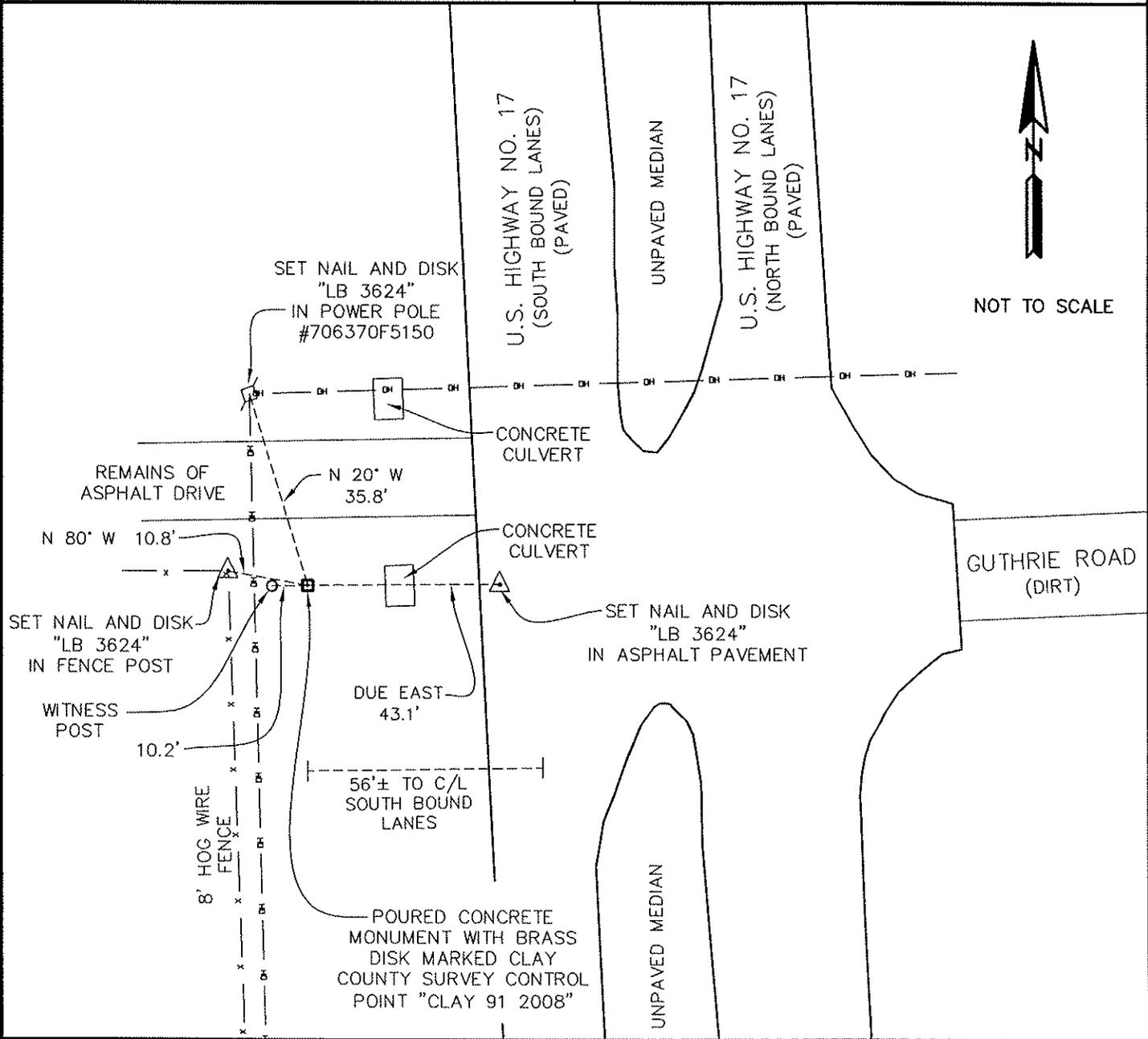
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 43.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN WOOD FENCE POST, NORTH 80° WEST AT 10.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #706370F5150, NORTH 20° WEST AT 35.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: PUTNAM	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 91
DESC. BY: D. SCHENCK	STAMPING: CLAY 91 2008	YEAR SET: 2008
SEC: 36 TWP: 7S RGE: 26E	USGS QUAD NAME: BOSTWICK	F.B.-PG: X1463-26



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2000575.83 FEET
EASTING: 446345.03 FEET
LATITUDE: 29° 50' 06.47850" N
LONGITUDE: 81° 39' 42.36440" W
CONVERGENCE: -0° 19' 45.28077"
SCALE FACTOR: 0.999991622
NEAREST INTERVISIBLE STATION: CLAY 92



CLAY 92

THE STATION IS LOCATED APPROXIMATELY 11 MILES SOUTH OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 13 MILES NORTH OF PALATKA, FLORIDA.

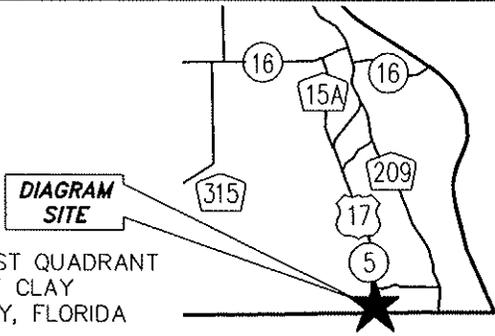
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED SOUTHERLY 10.6 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 26± FEET EASTERLY OF THE CENTERLINE OF NORTH BOUND LANES OF U.S. HIGHWAY NO. 17 AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

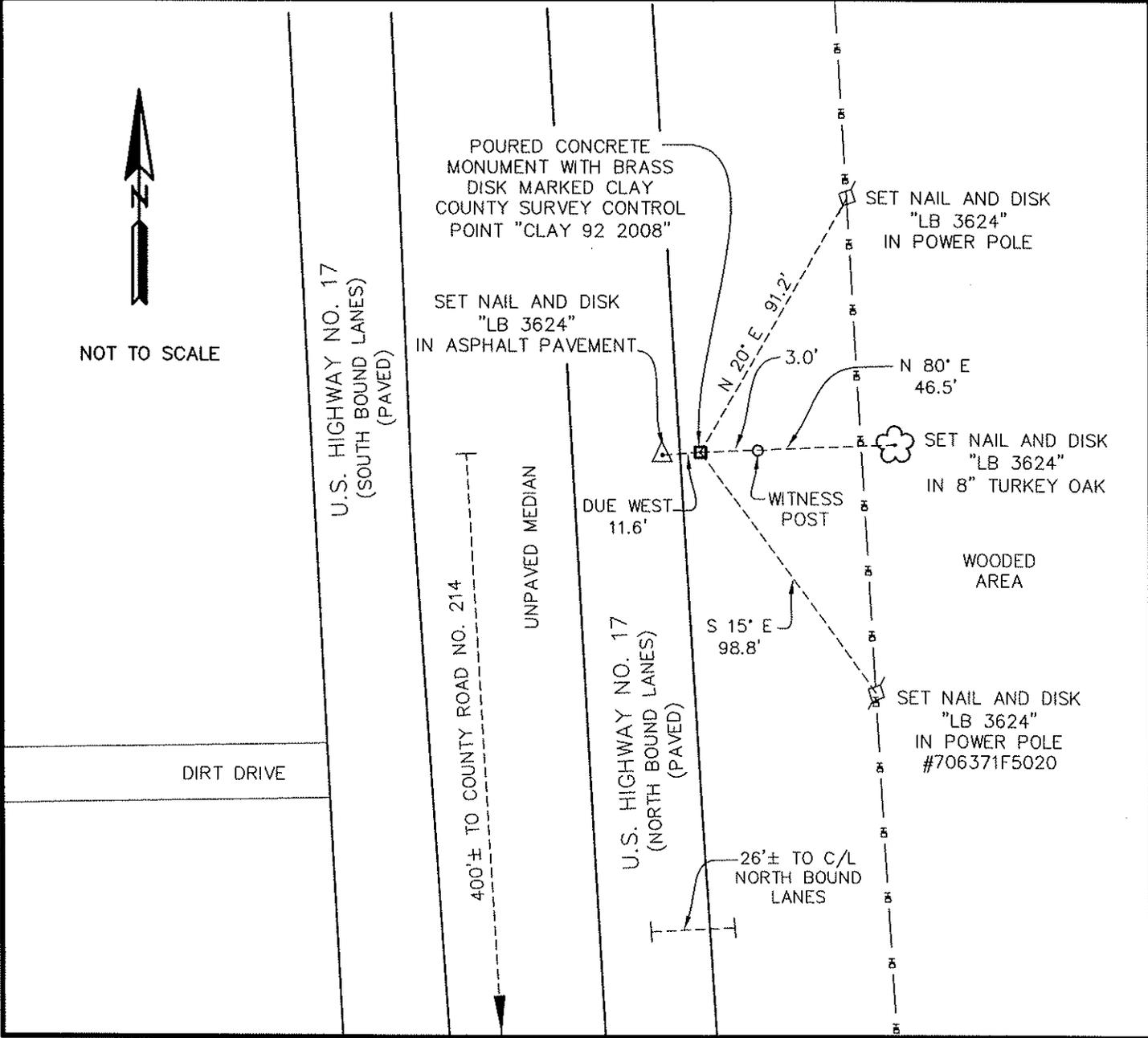
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 11.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 20° EAST AT 91.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #706371F5020, SOUTH 15° EAST AT 98.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 8" TURKEY OAK, NORTH 80° EAST AT 46.5 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 92
DESC. BY: D. SCHENCK	STAMPING: CLAY 92 2008	YEAR SET: 2008
SEC: 36 TWP: 7S RGE: 26E	USGS QUAD NAME: BOSTWICK	F.B.-PG: X1463-27



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2002297.76 FEET
EASTING: 446402.24 FEET
LATITUDE: 29° 50' 23.5667" N
LONGITUDE: 81° 39' 41.82724" W
CONVERGENCE: -0° 19' 45.18428"
SCALE FACTOR: 0.999991594
NEAREST INTERVISIBLE STATION: CLAY 91



CLAY 93

THE STATION IS LOCATED APPROXIMATELY 7 MILES SOUTHEAST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 17 MILES NORTH OF PALATKA, FLORIDA.

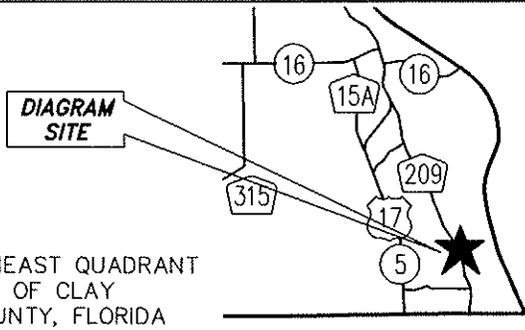
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 209 SOUTH IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 4.8 MILES ON COUNTY ROAD NO. 209 SOUTH TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 17± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 209 SOUTH AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

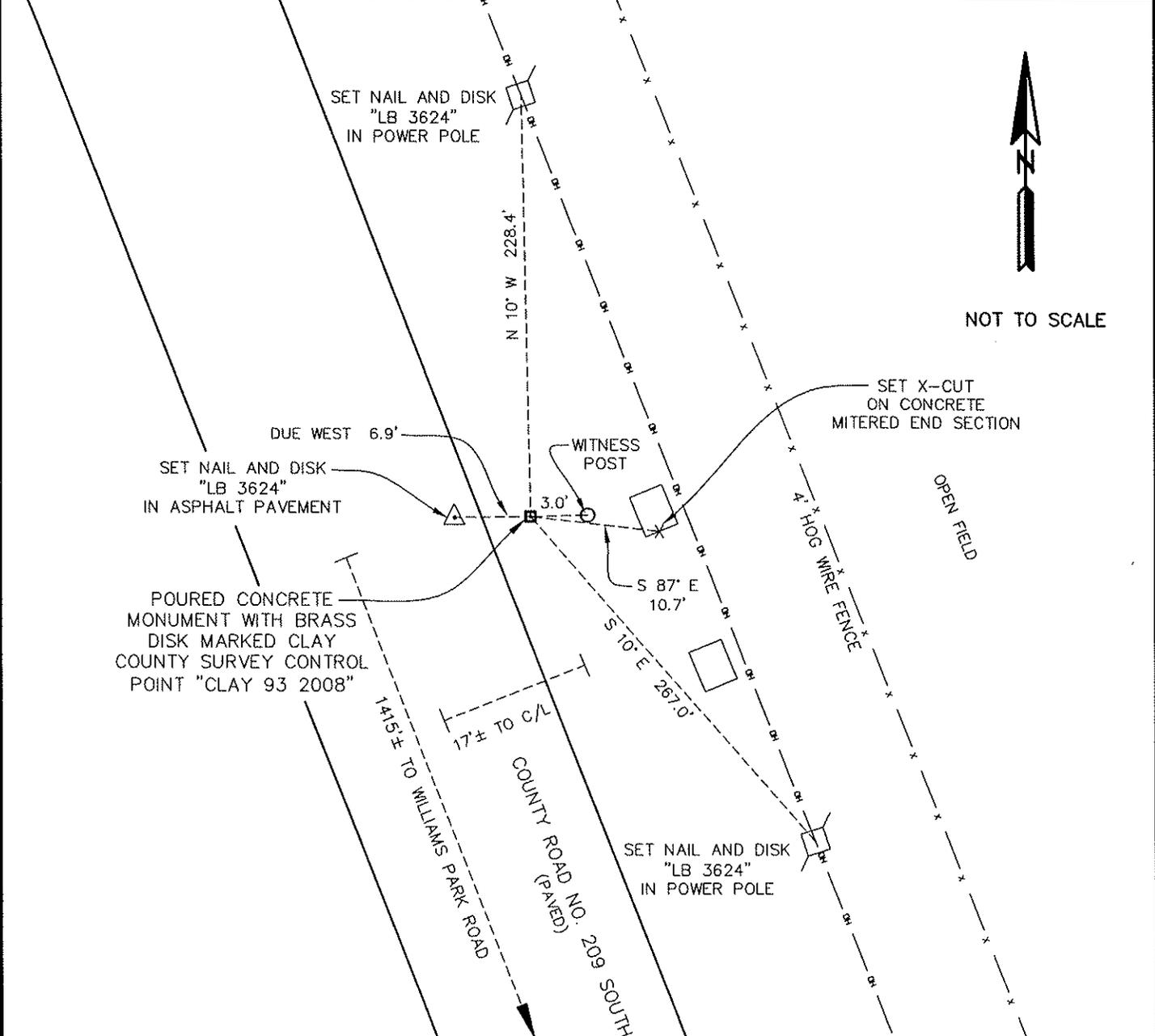
- 1) SET X-CUT IN CONCRETE MITERED END SECTION, SOUTH 87° EAST AT 10.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 10° WEST AT 228.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 10° EAST AT 267.0 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT, DUE WEST AT 6.9 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 93
DESC. BY: D. SCHENCK	STAMPING: CLAY 93 2008	YEAR SET: 2008
SEC: 7 TWP: 7S RGE: 27E	USGS QUAD NAME: BOSTWICK	F.B.-PG: X1463-28



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2023518.30 FEET
EASTING: 453604.15 FEET
LATITUDE: 29° 53' 53.98597" N
LONGITUDE: 81° 38' 21.39436" W
CONVERGENCE: -0° 19' 07.19503"
SCALE FACTOR: 0.999988191
NEAREST INTERVISIBLE STATION: CLAY 94



CLAY 94

THE STATION IS LOCATED APPROXIMATELY 7 MILES SOUTHEAST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 17 MILES NORTH OF PALATKA, FLORIDA.

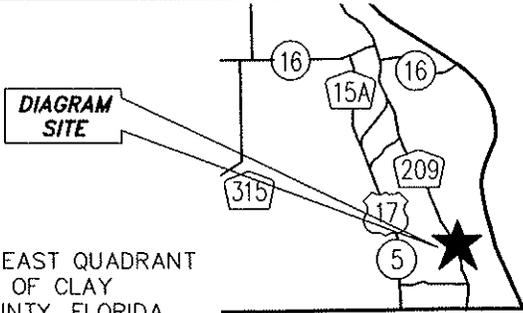
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 209 SOUTH IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 5.2 MILES ON COUNTY ROAD NO. 209 SOUTH TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 19± FEET SOUTHWESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 209 SOUTH AND 3.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

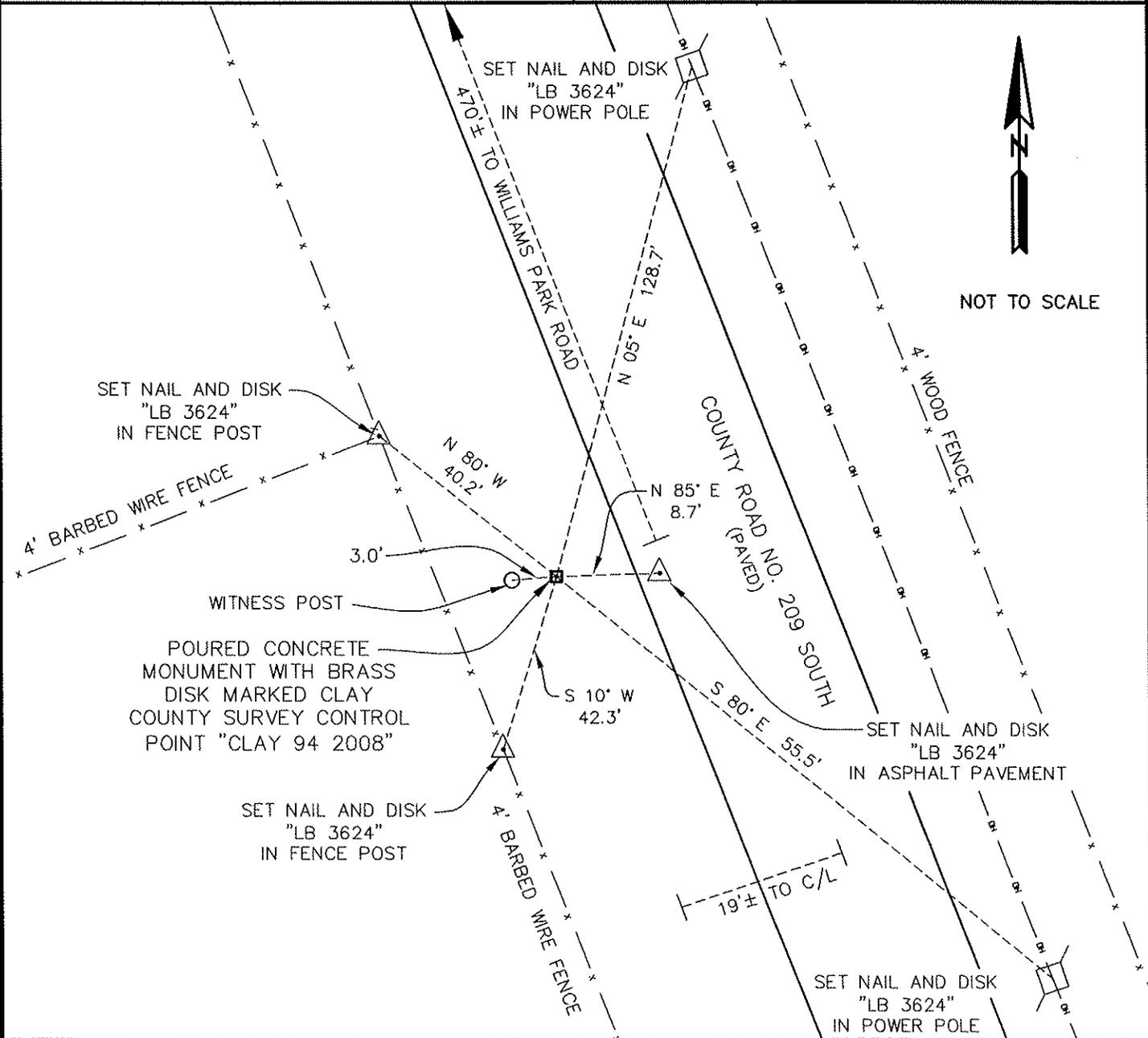
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT, NORTH 85° EAST AT 8.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 80° EAST AT 55.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 05° EAST AT 128.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 80° WEST AT 40.2 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 10° WEST AT 42.3 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 94
DESC. BY: D. SCHENCK	STAMPING: CLAY 94 2008	YEAR SET: 2008
SEC: 18 TWP: 7S RGE: 27E	USGS QUAD NAME: BOSTWICK	F.B.-PG: X1463-29



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2021755.53 FEET
EASTING: 454258.79 FEET
LATITUDE: 29° 53' 36.57279" N
LONGITUDE: 81° 38' 13.84615" W
CONVERGENCE: -0° 19' 03.26429"
SCALE FACTOR: 0.999987888
NEAREST INTERVISIBLE STATION: CLAY 93



CLAY 99

THE STATION IS LOCATED APPROXIMATELY 3 MILES SOUTH OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 14 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

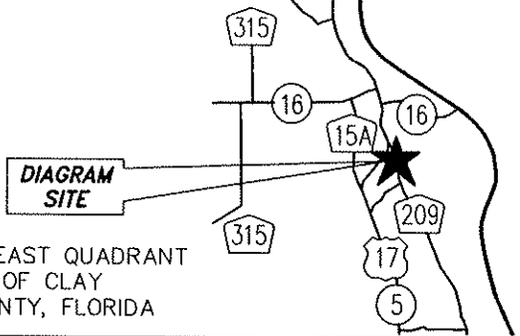
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 209 SOUTH IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 0.9 MILES ON COUNTY ROAD NO. 209 SOUTH TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 35± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 209 SOUTH AND 5.6± FEET EASTERLY OF A WITNESS POST.

REFERENCES

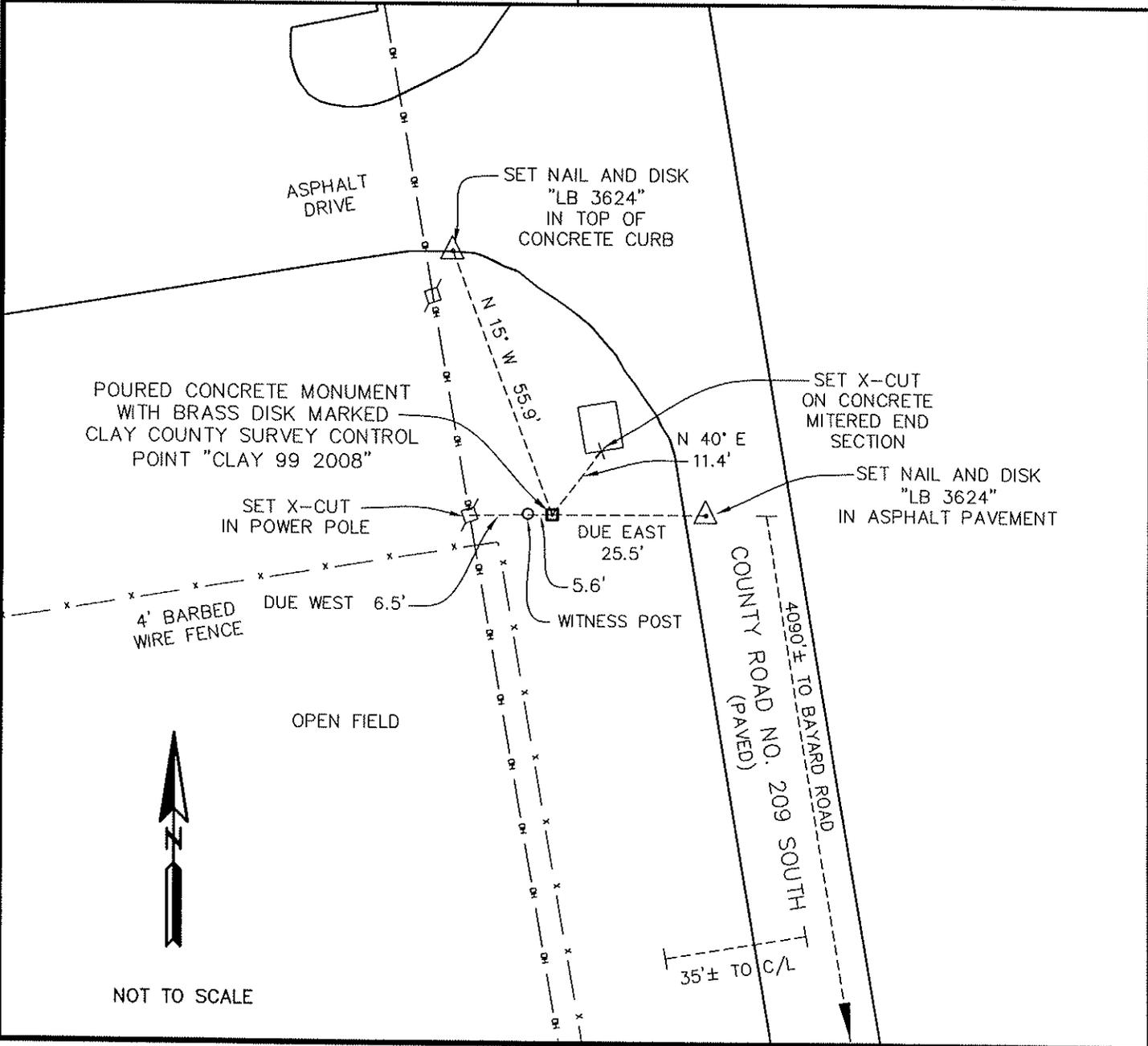
- 1) SET X-CUT IN CONCRETE POWER POLE, DUE WEST AT 6.5 FEET.
- 2) SET X-CUT IN CONCRETE MITERED END SECTION, NORTH 40° EAST AT 11.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 25.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN TOP OF CONCRETE CURB, NORTH 15° WEST AT 55.9 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 99
DESC. BY: D. SCHENCK	STAMPING: CLAY 99 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1463-34



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2041998.21 FEET
EASTING: 445508.36 FEET
LATITUDE: 29° 56' 56.45686" N
LONGITUDE: 81° 39' 54.58475" W
CONVERGENCE: -0° 19' 55.48751"
SCALE FACTOR: 0.999992024
NEAREST INTERVISIBLE STATION: CLAY 100



CLAY 100

THE STATION IS LOCATED APPROXIMATELY 3 MILES SOUTH OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 14 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

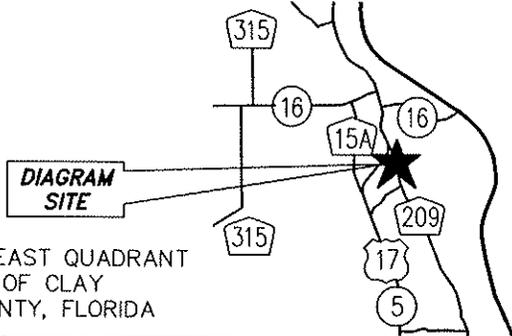
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 209 SOUTH IN CLAY COUNTY, FLORIDA. PROCEED SOUTHEASTERLY 1.2 MILES ON COUNTY ROAD NO. 209 SOUTH TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 16± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 209 SOUTH AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

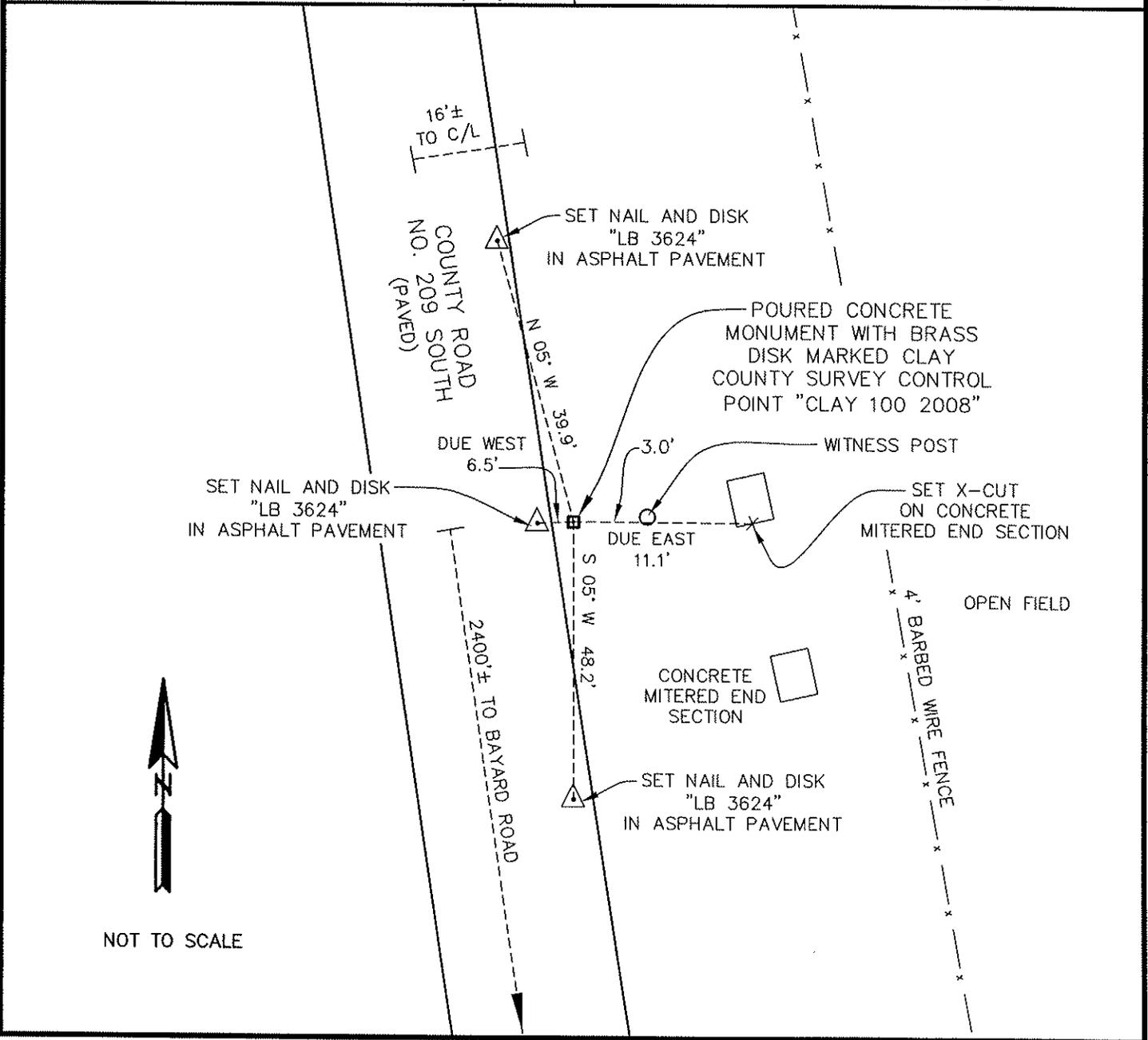
- 1) SET X-CUT, IN CONCRETE MITERED END SECTION, DUE EAST AT 11.10 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° WEST AT 39.9 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 6.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 05° WEST AT 48.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 100
DESC. BY: D. SCHENCK	STAMPING: CLAY 100 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1463-35



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2040321.96 FEET
EASTING: 445831.30 FEET
LATITUDE: 29° 56' 39.88281" N
LONGITUDE: 81° 39' 50.80373" W
CONVERGENCE: -0° 19' 53.43326"
SCALE FACTOR: 0.999991868
NEAREST INTERVISIBLE STATION: CLAY 99



CLAY 121

THE STATION IS LOCATED APPROXIMATELY 12 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 8 MILES EAST OF PENNY FARMS, FLORIDA.

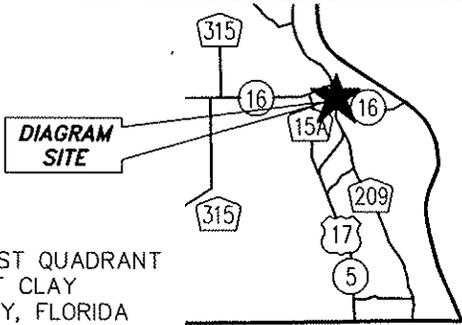
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 (SOUTH ORANGE AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 155 FEET ON STATE ROAD NO. 16 EAST TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 155± FEET EASTERLY OF THE CENTERLINE OF U.S. HIGHWAY NO. 17 (SOUTH ORANGE AVENUE, 53± FEET SOUTHERLY OF THE CENTERLINE OF STATE ROAD NO. 16 EAST AND 3.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° EAST AT 27.2 FEET.
- 2) SET 5/8" REBAR AND CAP (WITNESS LB 3624) DUE EAST AT 20.0 FEET.
- 3) SET 5/8" REBAR AND CAP (WITNESS LB 3624) DUE WEST AT 20.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 121
DESC. BY: D. SCHENCK	STAMPING: CLAY 121 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1463-55

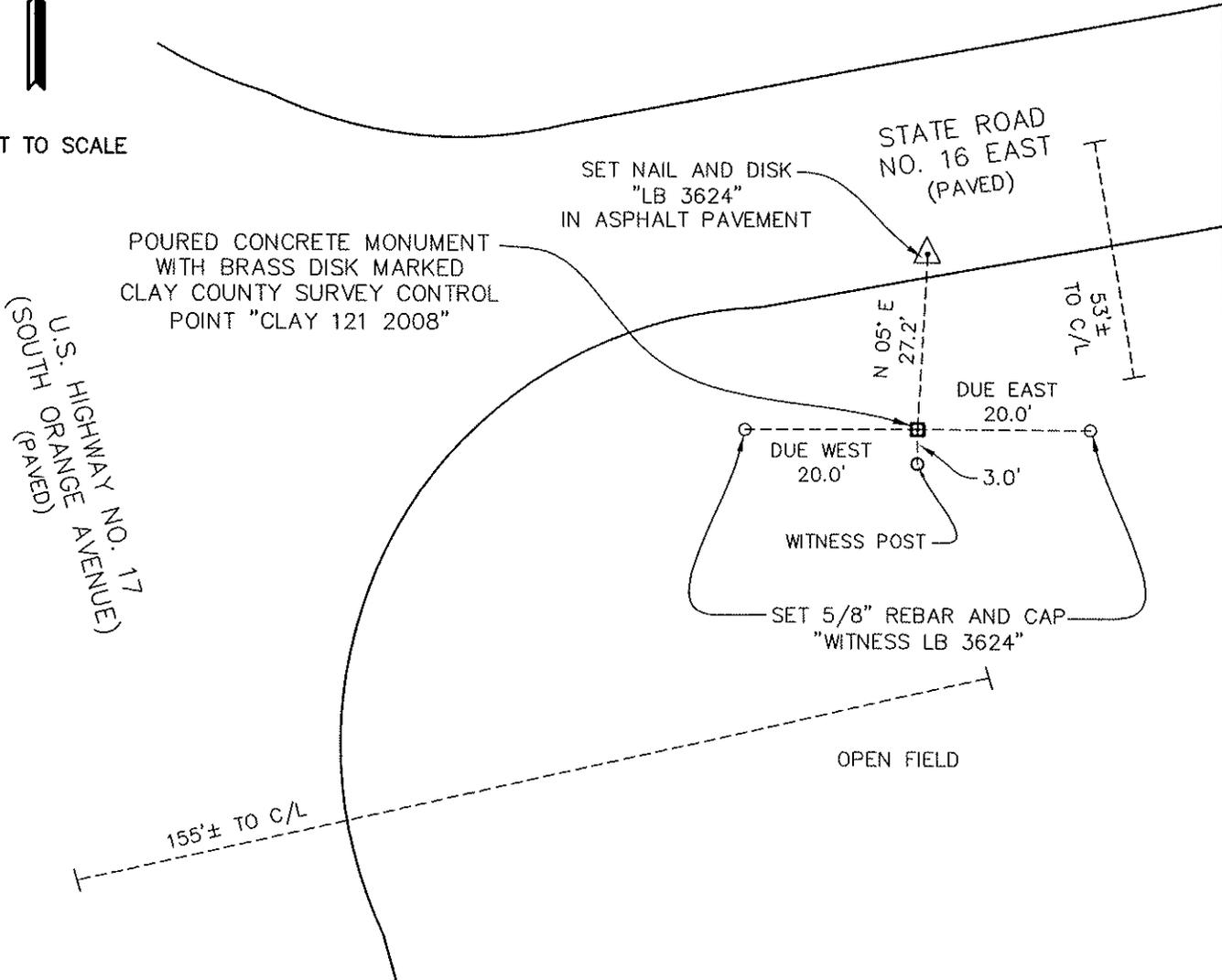


NORTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2054456.03 FEET
EASTING: 442329.51 FEET
LATITUDE: 29° 58' 59.58713" N
LONGITUDE: 81° 40' 31.55098" W
CONVERGENCE: -0° 20' 15.20155"
SCALE FACTOR: 0.999993569
NEAREST INTERVISIBLE STATION: CLAY 122



NOT TO SCALE



CLAY 122

THE STATION IS LOCATED APPROXIMATELY 12 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 8 MILES EAST OF PENNY FARMS, FLORIDA.

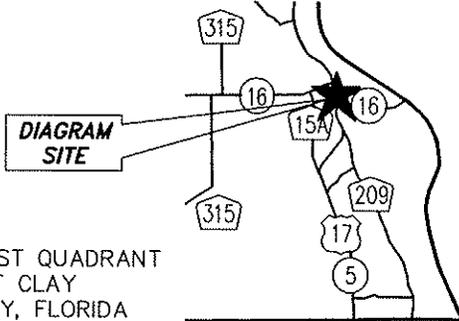
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 EAST AND U.S. HIGHWAY NO. 17 (SOUTH ORANGE AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED EASTERLY 0.3 MILES ON STATE ROAD NO. 16 EAST TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 40± FEET SOUTHERLY OF THE CENTERLINE OF STATE ROAD NO. 16 EAST AND 3.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° EAST AT 25.3 FEET.
- 2) SET 5/8" REBAR AND CAP (WITNESS LB 3624), DUE EAST AT 20.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° WEST AT 72.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 122
DESC. BY: D. SCHENCK	STAMPING: CLAY 122 2008	YEAR SET: 2008
SEC: 38 TWP: 6S RGE: 26E	USGS QUAD NAME: GREEN COVE SPRINGS	F.B.-PG: X1463-56



NORTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2054699.97 FEET
EASTING: 443623.16 FEET
LATITUDE: 29° 59' 02.07701" N
LONGITUDE: 81° 40' 16.85782" W
CONVERGENCE: -0° 20' 07.88320"
SCALE FACTOR: 0.999992937
NEAREST INTERVISIBLE STATION: CLAY 121



NOT TO SCALE

WOODED AREA

CONCRETE WALK

STATE ROAD NO. 16 EAST
(PAVED)

SET NAIL AND DISK
"LB 3624"
IN ASPHALT PAVEMENT

SET NAIL AND DISK
"LB 3624"
IN ASPHALT PAVEMENT

S 80° W 72.4'

3.0'

WITNESS POST

DUE EAST
20.0'

SET 5/8"
REBAR AND CAP
"WITNESS LB 3624"

95'± TO C/L

2010'± TO RIO VISTA CIRCLE

40'± TO C/L

OPEN FIELD

ASPHALT DRIVE

POURED CONCRETE MONUMENT
WITH BRASS DISK MARKED
CLAY COUNTY SURVEY CONTROL
POINT "CLAY 122 2008"

OPEN FIELD

NORTHEAST QUADRANT STATIONS

APPENDIX E

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA

Coordinate Parameters

Geographic Coordinate Datum = WGS 1984
 State Plane Datum = NAD 1983 / NSRS 2007
 Zone = Florida East (901)
 Linear Units = U.S. Survey Foot

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY67	30° 00' 30.02754" 81° 50' 36.33543"	2063945.020 389208.627	1.000022833 -0° 25' 18.63401"
CLAY68	30° 00' 42.61459" 81° 50' 38.19259"	2065217.820 389054.706	1.000022927 -0° 25' 19.72352"
CLAY69	30° 02' 14.81392" 81° 42' 32.62639"	2074242.653 431803.620	0.999998854 -0° 21' 17.80742"
CLAY70	30° 02' 01.76759" 81° 42' 31.62314"	2072924.127 431883.642	0.999998813 -0° 21' 17.16545"
CLAY71	30° 02' 48.39713" 81° 46' 30.89880"	2077771.163 410883.039	1.000010111 -0° 23' 17.48707"
CLAY72	30° 02' 51.58143" 81° 46' 20.13427"	2078086.456 411831.301	1.000009579 -0° 23' 12.13360"
CLAY73	30° 03' 32.44523" 81° 48' 34.71538"	2082296.466 400032.313	1.000016345 -0° 24' 20.03067"
CLAY74	30° 03' 20.19987" 81° 48' 33.69973"	2081058.752 400112.814	1.000016298 -0° 24' 19.37215"
CLAY75	30° 05' 46.46047" 81° 49' 04.58559"	2095854.027 397504.214	1.000017836 -0° 24' 36.65029"
CLAY76	30° 05' 45.72563" 81° 48' 50.04923"	2095770.670 398780.651	1.000017081 -0° 24' 29.35082"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY77	30° 11' 03.71439" 81° 47' 55.12695"	2127861.649 403830.237	1.000014131 -0° 24' 05.63909"
CLAY78	30° 10' 53.49464" 81° 47' 55.16968"	2126829.212 403819.251	1.000014137 -0° 24' 05.53743"
CLAY79	30° 09' 34.85334" 81° 50' 11.50449"	2118970.200 391794.725	1.000021256 -0° 25' 13.09650"
CLAY80	30° 09' 42.29538" 81° 50' 22.47491"	2119729.121 390837.162	1.000021838 -0° 25' 18.70335"
CLAY81	30° 11' 13.75526" 81° 44' 22.75714"	2128750.222 422476.062	1.000003747 -0° 22' 18.96037"
CLAY82	30° 11' 22.90085" 81° 44' 22.61061"	2129674.078 422494.920	1.000003737 -0° 22' 18.98873"
CLAY83	30° 08' 01.09026" 81° 46' 28.24201"	2109359.286 411330.650	1.000009859 -0° 23' 19.81395"
CLAY84	30° 07' 52.74423" 81° 46' 28.44956"	2108516.250 411306.702	1.000009872 -0° 23' 19.82058"
CLAY85	30° 06' 25.64481" 81° 46' 34.63440"	2099720.714 410703.753	1.000010211 -0° 23' 21.90492"
CLAY86	30° 06' 36.28091" 81° 46' 35.99260"	2100796.037 410591.761	1.000010274 -0° 23' 22.71104"
CLAY87	30° 06' 06.79046" 81° 43' 55.89518"	2097723.891 424634.579	1.000002598 -0° 22' 02.05949"
CLAY88	30° 06' 08.79131" 81° 43' 41.71761"	2097918.064 425881.232	1.000001938 -0° 21' 54.97001"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY89	30° 06' 52.83520" 81° 49' 05.67258"	2102560.243 397456.762	1.000017864 -0° 24' 38.01550"
CLAY90	30° 06' 51.98531" 81° 49' 24.69888"	2102486.396 395785.060	1.000018858 -0° 24' 47.55253"
CLAY95	30° 03' 16.53141" 81° 44' 54.94719"	2080557.238 419334.777	1.000005443 -0° 22' 29.75516"
CLAY96	30° 03' 06.04742" 81° 44' 44.09316"	2079491.876 420281.754	1.00000493 -0° 22' 24.20040"
CLAY97	30° 00' 57.42784" 81° 43' 53.72671"	2066469.730 424625.162	1.000002604 -0° 21' 57.55284"
CLAY98	30° 00' 46.44414" 81° 43' 53.99541"	2065360.274 424594.451	1.00000262 -0° 21' 57.56582"
CLAY101	30° 01' 48.05936" 81° 48' 35.41630"	2071751.386 399896.085	1.000016426 -0° 24' 19.10461"
CLAY102	30° 02' 03.34532" 81° 48' 34.19216"	2073294.876 400014.613	1.000016356 -0° 24' 18.67887"
CLAY119	30° 11' 52.44008" 81° 50' 14.61571"	2132872.144 391623.720	1.000021359 -0° 25' 16.39822"
CLAY120	30° 11' 45.28139" 81° 50' 16.31204"	2132150.017 391469.536	1.000021453 -0° 25' 17.16111"
CLAY123	30° 04' 30.93228" 81° 42' 24.42523"	2087989.325 432609.443	0.99999844 -0° 21' 15.15507"
CLAY124	30° 04' 46.65503" 81° 42' 23.42313"	2089577.150 432707.308	0.99999839 -0° 21' 14.82059"

STATION LISTINGS IN U.S. SURVEY FOOT VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

CLAY125	30° 07' 56.32100" 81° 42' 09.54965"	2108730.460 434044.103	0.999997707 -0° 21' 09.87860"
CLAY126	30° 08' 07.53699" 81° 42' 07.37022"	2109862.372 434242.456	0.999997606 -0° 21' 08.90326"
CLAY127	30° 09' 54.95579" 81° 43' 02.63641"	2120744.524 429457.748	1.000000065 -0° 21' 37.81568"
CLAY128	30° 09' 55.57870" 81° 43' 14.33132"	2120813.928 428431.518	1.000000599 -0° 21' 43.69980"
CLAY129	30° 11' 45.25119" 81° 42' 13.44151"	2131860.223 433845.090	0.999997807 -0° 21' 14.26364"
CLAY130	30° 11' 45.95510" 81° 42' 25.20264"	2131937.727 432813.410	0.999998334 -0° 21' 20.18718"
CLAY131	30° 07' 27.30332' 81° 47' 49.04628"	2105994.798 404211.155	1.000013912 -0° 23' 59.97851"
CLAY132	30° 07' 20.88607" 81° 47' 57.47394"	2105351.667 403466.487	1.000014342 -0° 24' 04.13135"
CLAY133	30° 10' 51.03995" 81° 42' 06.61366"	2126379.821 434410.546	0.99999752 -0° 21' 10.25512"
CLAY134	30° 11' 03.35500" 81° 42' 07.16748"	2127624.250 434369.601	0.99999754 -0° 21' 10.66401"

STATION LISTINGS IN METRIC VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA

Coordinate Parameters

Geographic Coordinate Datum = WGS 1984
 State Plane Datum = NAD 1983 / NSRS 2007
 Zone = Florida East (901)
 Linear Units = Meter

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY67	30° 00' 30.02754" 81° 50' 36.33543"	629091.700 118631.027	1.000022833 -0° 25' 18.63401"
CLAY68	30° 00' 42.61459" 81° 50' 38.19259"	629479.651 118584.112	1.000022927 -0° 25' 19.72352"
CLAY69	30° 02' 14.81392" 81° 42' 32.62639"	632230.425 131614.007	0.999998854 -0° 21' 17.80742"
CLAY70	30° 02' 01.76759" 81° 42' 31.62314"	631828.538 131638.397	0.999998813 -0° 21' 17.16545"
CLAY71	30° 02' 48.39713" 81° 46' 30.89880"	633305.917 125237.401	1.000010111 -0° 23' 17.48707"
CLAY72	30° 02' 51.58143" 81° 46' 20.13427"	633402.018 125526.432	1.000009579 -0° 23' 12.13360"
CLAY73	30° 03' 32.44523" 81° 48' 34.71538"	634685.232 121930.093	1.000016345 -0° 24' 20.03067"
CLAY74	30° 03' 20.19987" 81° 48' 33.69973"	634307.976 121954.630	1.000016298 -0° 24' 19.37215"
CLAY75	30° 05' 46.46047" 81° 49' 04.58559"	638817.585 121159.527	1.000017836 -0° 24' 36.65029"
CLAY76	30° 05' 45.72563" 81° 48' 50.04923"	638792.178 121548.585	1.000017081 -0° 24' 29.35082"

STATION LISTINGS IN METRIC VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY77	30° 11' 03.71439" 81° 47' 55.12695"	648573.528 123087.702	1.000014131 -0° 24' 05.63909"
CLAY78	30° 10' 53.49464" 81° 47' 55.16968"	648258.840 123084.354	1.000014137 -0° 24' 05.53743"
CLAY79	30° 09' 34.85334" 81° 50' 11.50449"	645863.409 119419.271	1.000021256 -0° 25' 13.09650"
CLAY80	30° 09' 42.29538" 81° 50' 22.47491"	646094.728 119127.405	1.000021838 -0° 25' 18.70335"
CLAY81	30° 11' 13.75526" 81° 44' 22.75714"	648844.365 128770.961	1.000003747 -0° 22' 18.96037"
CLAY82	30° 11' 22.90085" 81° 44' 22.61061"	649125.957 128776.709	1.000003737 -0° 22' 18.98873"
CLAY83	30° 08' 01.09026" 81° 46' 28.24201"	642933.996 125373.833	1.000009859 -0° 23' 19.81395"
CLAY84	30° 07' 52.74423" 81° 46' 28.44956"	642677.038 125366.533	1.000009872 -0° 23' 19.82058"
CLAY85	30° 06' 25.64481" 81° 46' 34.63440"	639996.154 125182.754	1.000010211 -0° 23' 21.90492"
CLAY86	30° 06' 36.28091" 81° 46' 35.99260"	640323.913 125148.619	1.000010274 -0° 23' 22.71104"
CLAY87	30° 06' 06.79046" 81° 43' 55.89518"	639387.521 129428.878	1.000002598 -0° 22' 02.05949"
CLAY88	30° 06' 08.79131" 81° 43' 41.71761"	639446.705 129808.859	1.000001938 -0° 21' 54.97001"

STATION LISTINGS IN METRIC VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

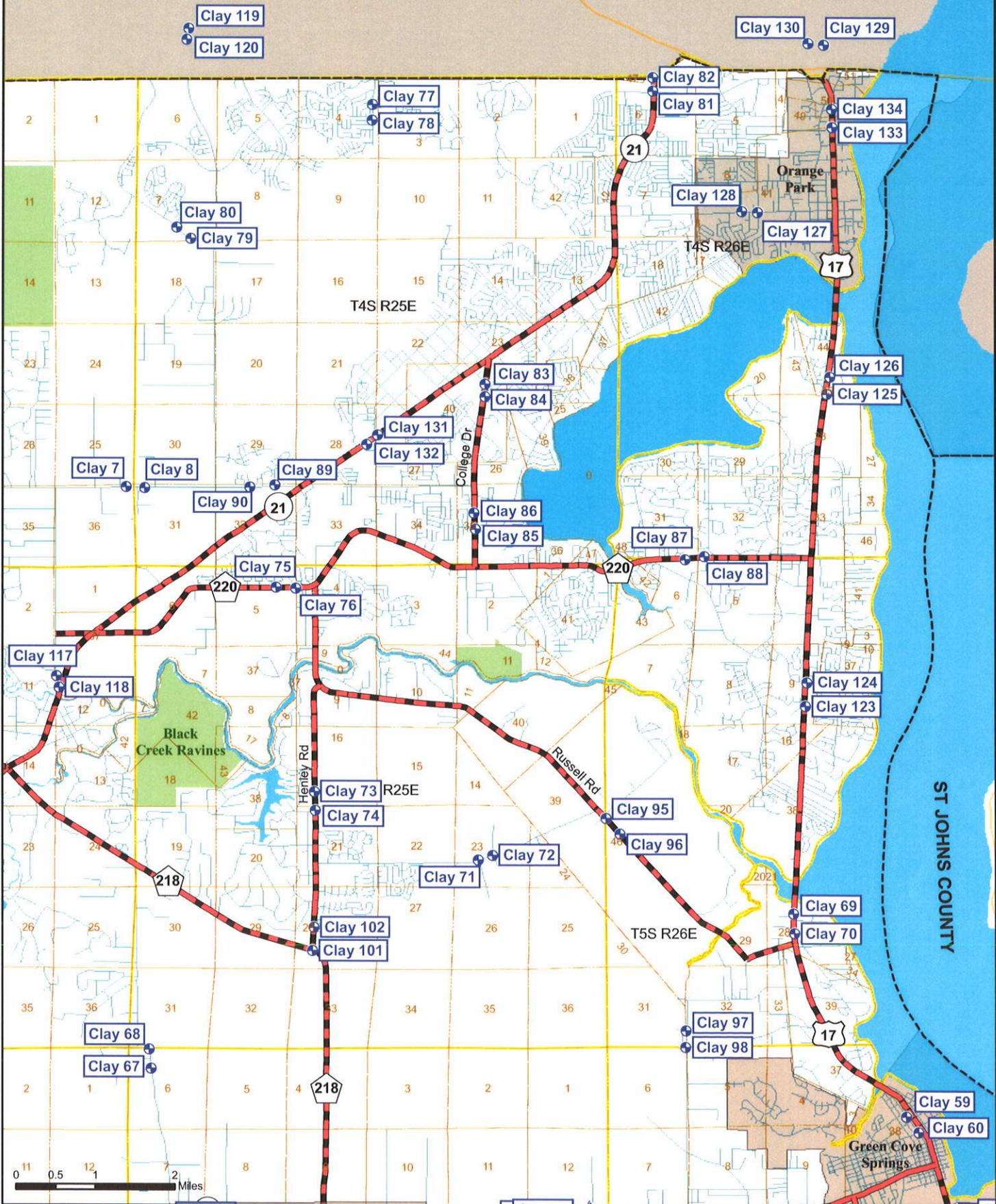
Point Name	Latitude Longitude	Northing Easting	Scale Factor Convergence
CLAY89	30° 06' 52.83520" 81° 49' 05.67258"	640861.644 121145.063	1.000017864 -0° 24' 38.01550"
CLAY90	30° 06' 51.98531" 81° 49' 24.69888"	640839.135 120635.528	1.000018858 -0° 24' 47.55253"
CLAY95	30° 03' 16.53141" 81° 44' 54.94719"	634155.114 127813.496	1.000005443 -0° 22' 29.75516"
CLAY96	30° 03' 06.04742" 81° 44' 44.09316"	633830.391 128102.135	1.00000493 -0° 22' 24.20040"
CLAY97	30° 00' 57.42784" 81° 43' 53.72671"	629861.233 129426.008	1.000002604 -0° 21' 57.55284"
CLAY98	30° 00' 46.44414" 81° 43' 53.99541"	629523.070 129416.648	1.00000262 -0° 21' 57.56582"
CLAY101	30° 01' 48.05936" 81° 48' 35.41630"	631471.085 121888.570	1.000016426 -0° 24' 19.10461"
CLAY102	30° 02' 03.34532" 81° 48' 34.19216"	631941.542 121924.698	1.000016356 -0° 24' 18.67887"
CLAY119	30° 11' 52.44008" 81° 50' 14.61571"	650100.730 119367.149	1.000021359 -0° 25' 16.39822"
CLAY120	30° 11' 45.28139" 81° 50' 16.31204"	649880.625 119320.153	1.000021453 -0° 25' 17.16111"
CLAY123	30° 04' 30.93228" 81° 42' 24.42523"	636420.419 131859.622	0.99999844 -0° 21' 15.15507"
CLAY124	30° 04' 46.65503" 81° 42' 23.42313"	636904.389 131889.451	0.99999839 -0° 21' 14.82059"

STATION LISTINGS IN METRIC VALUES

NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA (Continued)

CLAY125	30° 07' 56.32100" 81° 42' 09.54965"	642742.330 132296.907	0.999997707 -0° 21' 09.87860"
CLAY126	30° 08' 07.53699" 81° 42' 07.37022"	643087.337 132357.365	0.999997606 -0° 21' 08.90326"
CLAY127	30° 09' 54.95579" 81° 43' 02.63641"	646404.224 130898.984	1.000000065 -0° 21' 37.81568"
CLAY128	30° 09' 55.57870" 81° 43' 14.33132"	646425.378 130586.188	1.000000599 -0° 21' 43.69980"
CLAY129	30° 11' 45.25119" 81° 42' 13.44151"	649792.295 132236.248	0.999997807 -0° 21' 14.26364"
CLAY130	30° 11' 45.95510" 81° 42' 25.20264"	649815.919 131921.791	0.999998334 -0° 21' 20.18718"
CLAY131	30° 07' 27.30332' 81° 47' 49.04628"	641908.498 123203.806	1.000013912 -0° 23' 59.97851"
CLAY132	30° 07' 20.88607" 81° 47' 57.47394"	641712.471 122976.831	1.000014342 -0° 24' 04.13135"
CLAY133	30° 10' 51.03995" 81° 42' 06.61366"	648121.866 132408.599	0.99999752 -0° 21' 10.25512"
CLAY134	30° 11' 03.35500" 81° 42' 07.16748"	648501.168 132396.119	0.99999754 -0° 21' 10.66401"

Clay County Control Points NE



CLAY 67

THIS STATION IS LOCATED APPROXIMATELY 10 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 5 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

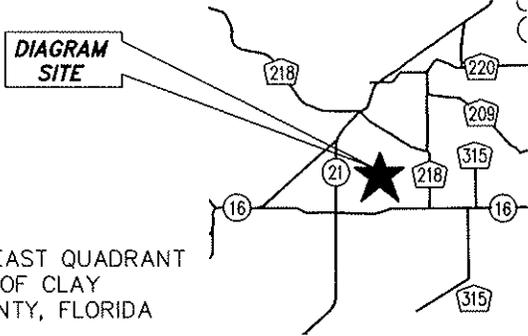
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.9 MILES ON STATE ROAD NO. 16 WEST TO THUNDER ROAD. THENCE PROCEED NORTHERLY 1.8 MILES ON THUNDER ROAD TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 17± FEET WESTERLY OF THE CENTERLINE OF THUNDER ROAD, 70± FEET NORTHERLY OF THE CENTERLINE OF LIGHTNING LANE AND 8.9± FEET EASTERLY OF A WITNESS POST.

REFERENCES

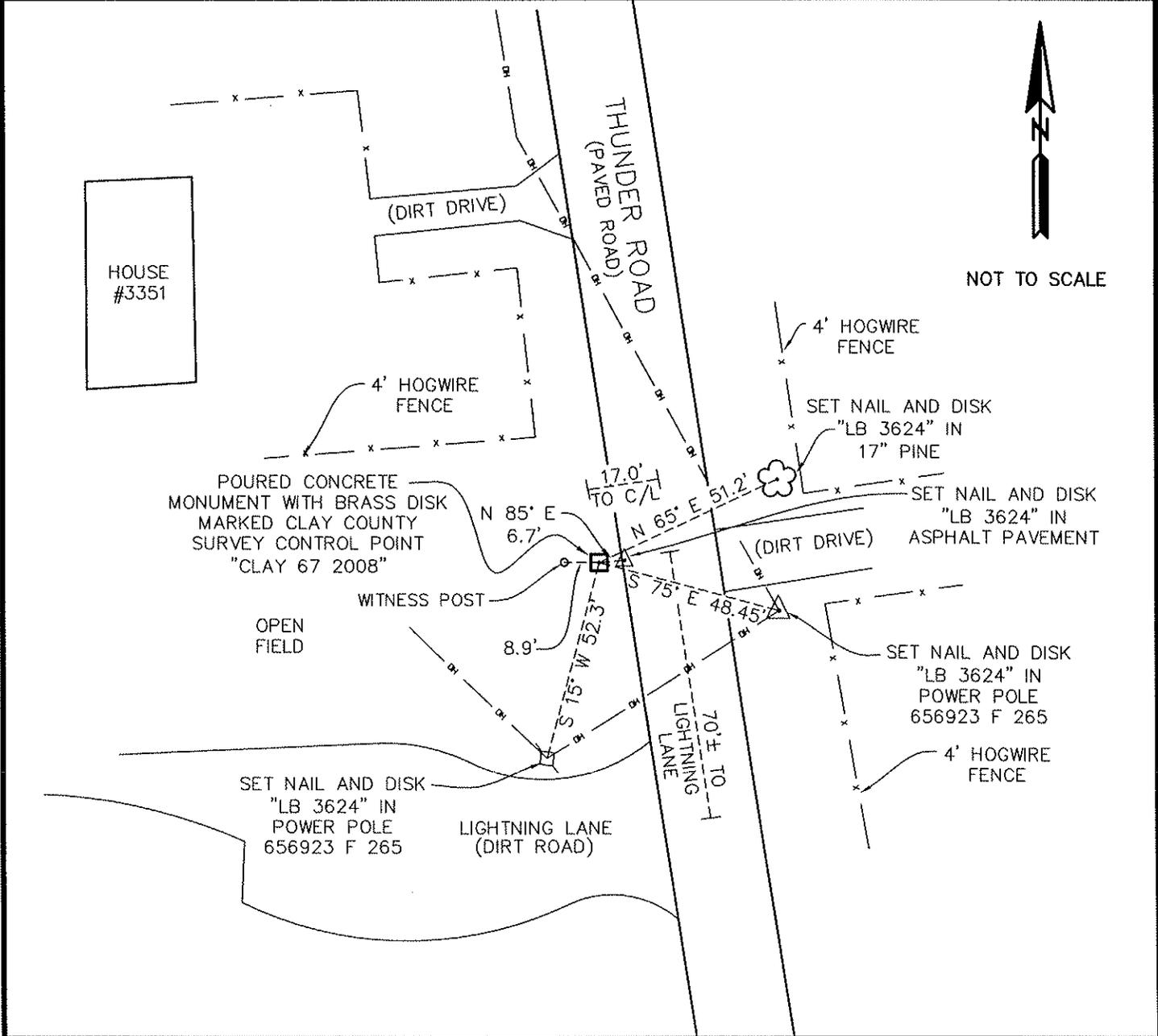
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 85° EAST AT 6.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE 656923F265, SOUTH 75° EAST AT 48.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 15° WEST AT 52.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 17" PINE, NORTH 65° EAST AT 51.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 67
DESC. BY: A. HARRELL	STAMPING: CLAY 67 2008	YEAR SET: 2008
SEC: 6 TWP: 6S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.—PG: X1464—70



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2063945.02 FEET
EASTING: 389208.63 FEET
LATITUDE: 30° 00' 30.02754" N
LONGITUDE: 81° 50' 36.33543" W
CONVERGENCE: -0° 25' 18.63401"
SCALE FACTOR: 1.000022833
NEAREST INTERVISIBLE STATION: CLAY 68



CLAY 68

THIS STATION IS LOCATED APPROXIMATELY 10 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA AND APPROXIMATELY 5 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.9 MILES ON STATE ROAD NO. 16 WEST TO THUNDER ROAD. THENCE PROCEED NORTHERLY 2.1 MILES ON THUNDER ROAD TO A SHARP TURN TO THE LEFT AND TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 4± FEET EASTERLY OF THE NORTHERLY PROJECTED CENTERLINE OF THUNDER ROAD, 21± FEET NORTHERLY OF THE PROJECTED EASTERLY CENTERLINE OF THUNDER ROAD AND 15.3± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 17° WEST AT 32.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 41° WEST AT 54.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 63° WEST AT 43.2 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 27° EAST AT 56.8 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN 11" PINE, NORTH 73° EAST AT 30.9 FEET.

CLAY 69

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 10 MILES EAST OF MIDDLEBURG, FLORIDA.

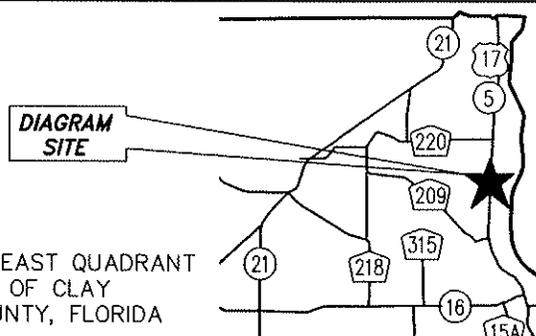
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED NORTHWESTERLY 3.8 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION LYING WITHIN THE MEDIAN OF U.S. HIGHWAY NO. 17. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 145± FEET NORTH OF THE CENTERLINE OF BALL ROAD AND 6.2± FEET NORTH OF A WITNESS POST.

REFERENCES

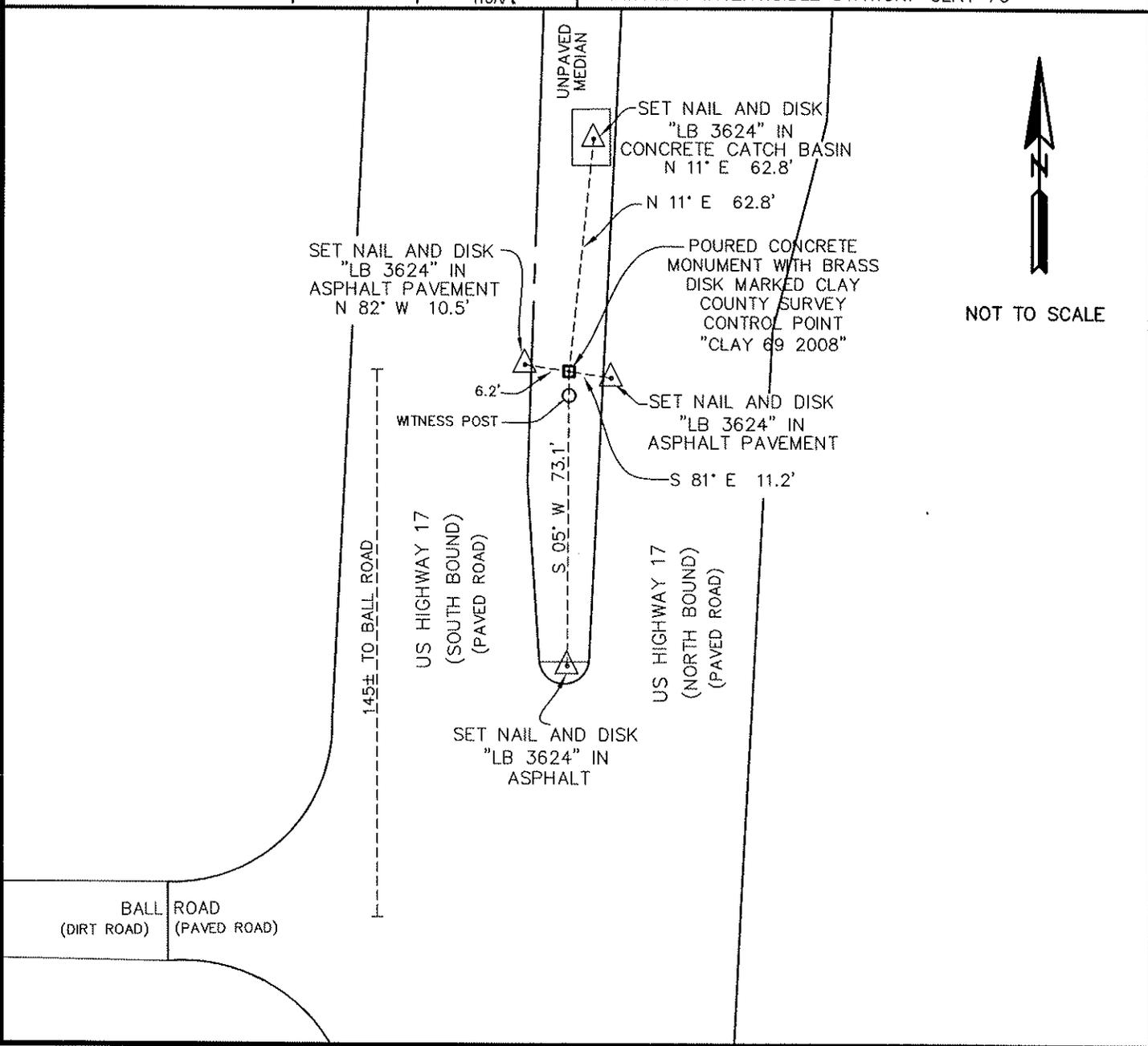
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 81° EAST AT 11.2 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 82° WEST AT 10.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN CONCRETE CATCH BASIN, NORTH 11° EAST AT 62.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT, SOUTH 05° WEST AT 73.1 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 69
DESC. BY: A. HARRELL	STAMPING: CLAY 69 2008	YEAR SET: 2008
SEC: 28 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1464-72



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2074242.65 FEET
EASTING: 431803.62 FEET
LATITUDE: 30° 02' 14.81392" N
LONGITUDE: 81° 42' 32.62639" W
CONVERGENCE: -0 21' 17.80742"
SCALE FACTOR: 0.999998854
NEAREST INTERVISIBLE STATION: CLAY 70



CLAY 70

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 10 MILES EAST OF MIDDLEBURG, FLORIDA.

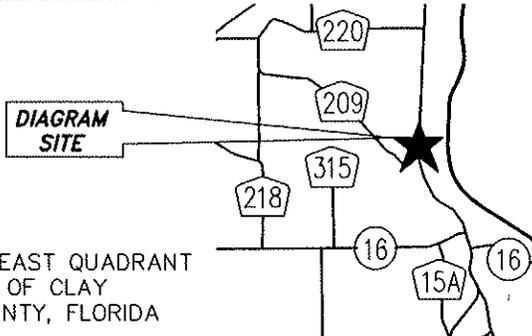
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED NORTHWESTERLY 3.5 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 130± FEET NORTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 209, 74± FEET EASTERLY OF THE CENTERLINE OF U.S. HIGHWAY NO. 17 AND 18.0± FEET WEST OF A WITNESS POST.

REFERENCES

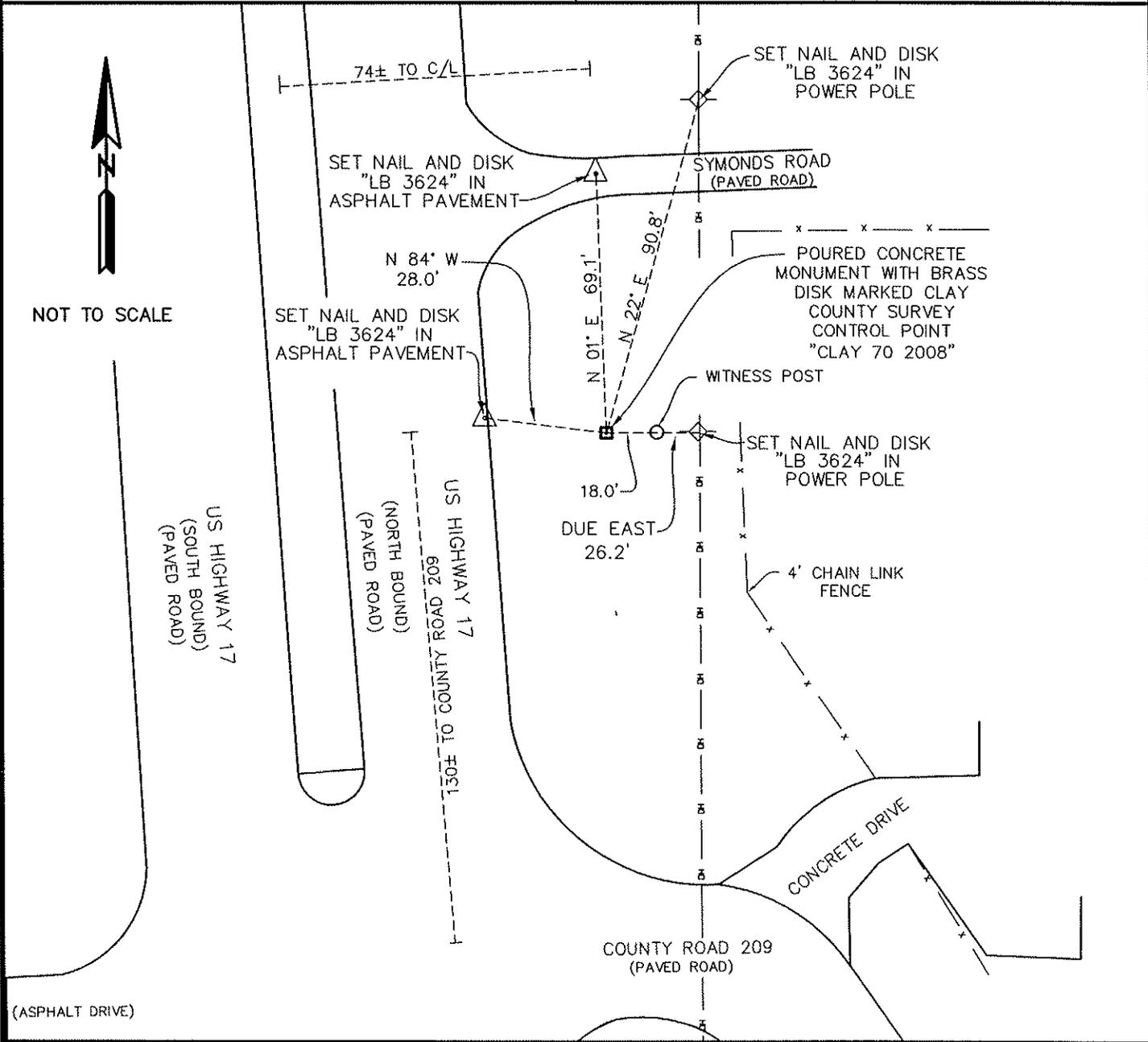
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 84° WEST AT 28.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, DUE EAST AT 26.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 22° EAST AT 90.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 01° EAST AT 69.1 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 70
DESC. BY: K. BAILEY	STAMPING: CLAY 70 2008	YEAR SET: 2008
SEC: 28 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1464-73



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2072924.13 FEET
EASTING: 431883.64 FEET
LATITUDE: 30° 02' 01.76759" N
LONGITUDE: 81° 42' 31.62314" W
CONVERGENCE: -0° 21' 17.16545"
SCALE FACTOR: 0.999998813
NEAREST INTERVISIBLE STATION: CLAY 69



CLAY 71

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 6 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

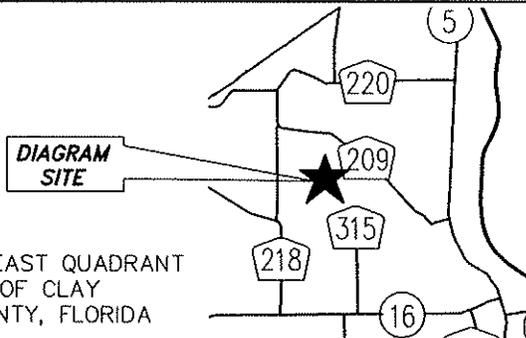
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 3.4 MILES ON COUNTY ROAD NO. 218 TO HENLEY ROAD. THENCE PROCEED NORTHERLY ON HENLEY ROAD 1.1 MILE TO SANDRIDGE ROAD. THENCE PROCEED EASTERLY ON SANDRIDGE ROAD 2.0 MILES TO THE STATION LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 20± FEET WESTERLY OF THE CENTERLINE OF FEEDS MILL ROAD, 34± FEET NORTHERLY OF THE CENTERLINE OF SANDRIDGE ROAD AND 3.2± FEET SOUTHEAST OF A WITNESS POST.

REFERENCES

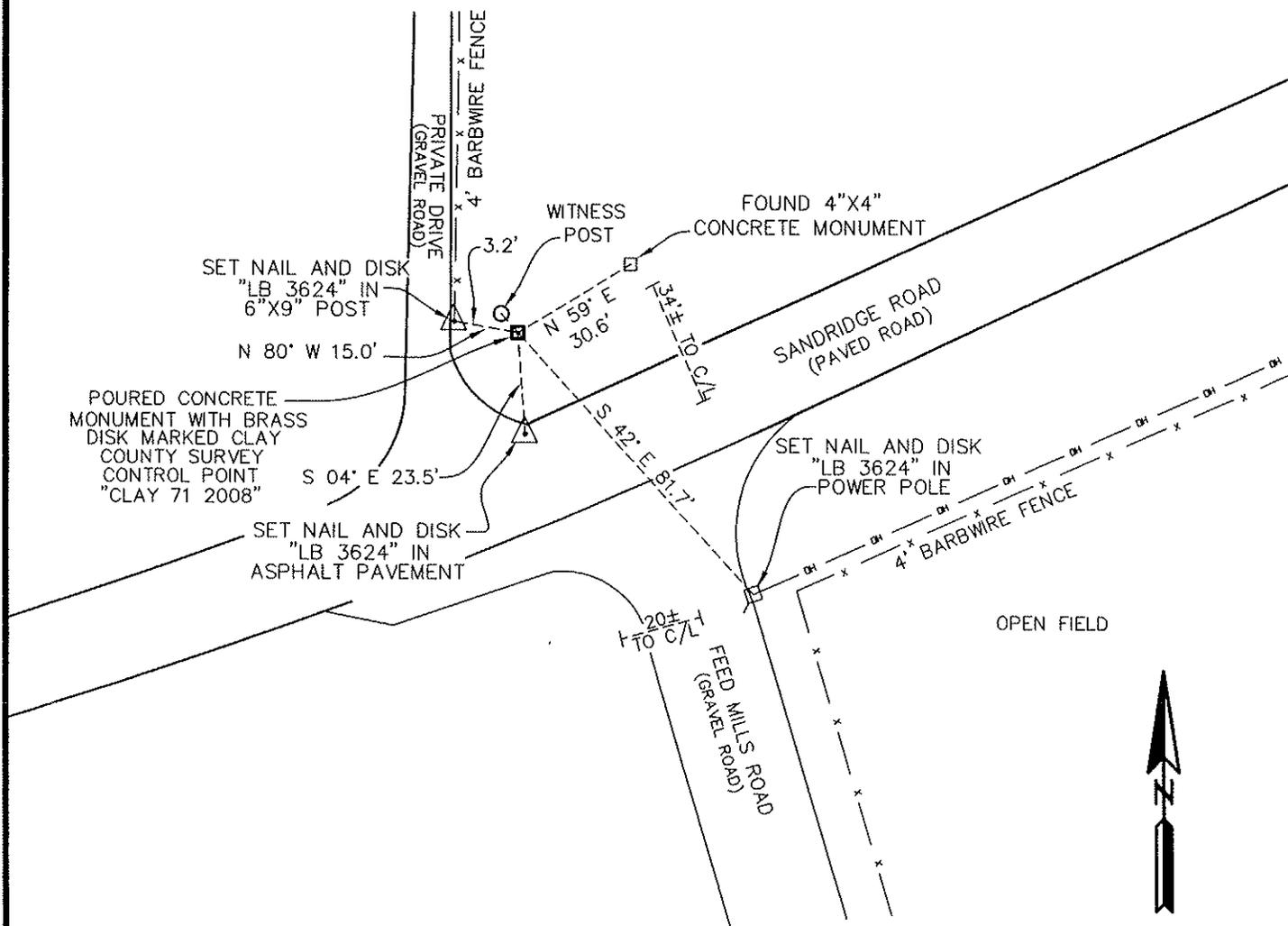
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 04° EAST AT 23.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 42° EAST AT 81.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 6"x 9" POST, NORTH 80° WEST AT 15.0 FEET.
- 4) FOUND 4"X4" CONCRETE MONUMENT, NORTH 59° EAST AT 30.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 71
DESC. BY: A. HARRELL	STAMPING: CLAY 71 2008	YEAR SET: 2008
SEC: 23 TWP: 5S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1464-74



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2077771.16 FEET
EASTING: 410883.04 FEET
LATITUDE: 30° 02' 48.39713" N
LONGITUDE: 81° 46' 30.89880" W
CONVERGENCE: -0° 23' 17.48707"
SCALE FACTOR: 1.000010111
NEAREST INTERVISIBLE STATION: CLAY 72



NOT TO SCALE

CLAY 72

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 6 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

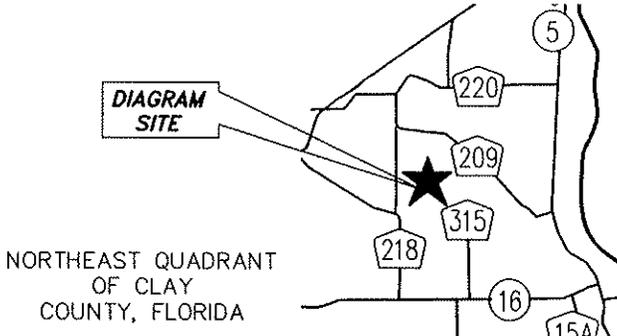
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 3.4 MILES ON COUNTY ROAD NO. 218 TO HENLEY ROAD. THENCE PROCEED NORTHERLY ON HENLEY ROAD 1.1 MILE TO SANDRIDGE ROAD. THENCE PROCEED EASTERLY ON SANDRIDGE ROAD 2.2 MILES TO THE STATION RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 50± FEET WESTERLY OF THE CENTERLINE OF DAIRY LANE, 32± FEET SOUTHERLY OF THE CENTERLINE OF SANDRIDGE ROAD AND 4.0± FEET NORTH OF A WITNESS POST.

REFERENCES

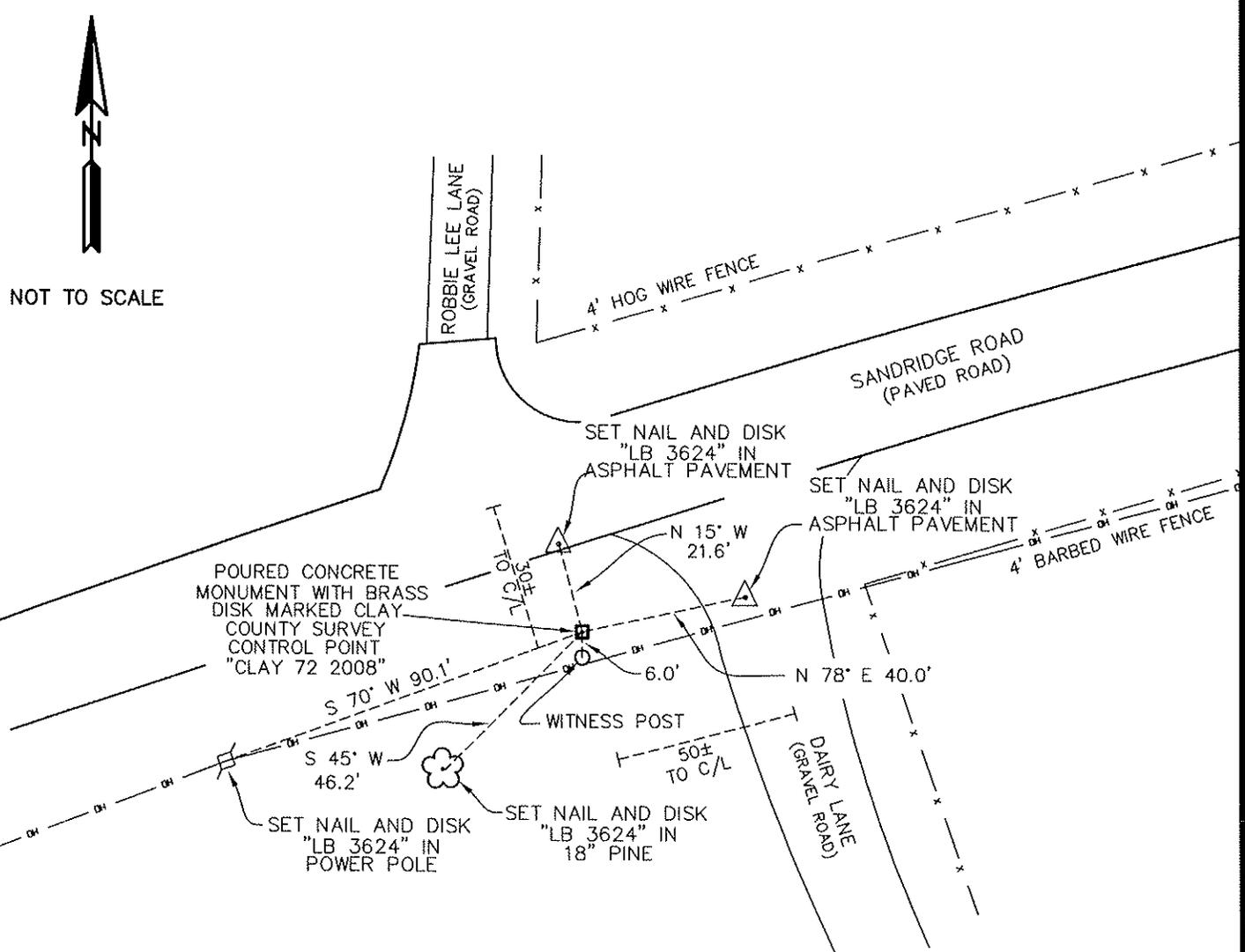
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 15° WEST AT 21.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 78° EAST AT 40.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 18" PINE, SOUTH 45° WEST AT 46.2 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 70° WEST AT 90.1 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 72
DESC. BY: A. HARRELL	STAMPING: CLAY 72 2008	YEAR SET: 2008
SEC: 23 TWP: 5S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.—PG: X1464—75



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2078086.46 FEET
EASTING: 411831.30 FEET
LATITUDE: 30° 02' 51.58143" N
LONGITUDE: 81° 46' 20.13427 W
CONVERGENCE: -0° 23' 12.13360"
SCALE FACTOR: 1.000009579
NEAREST INTERVISIBLE STATION: CLAY 71



CLAY 73

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 6 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

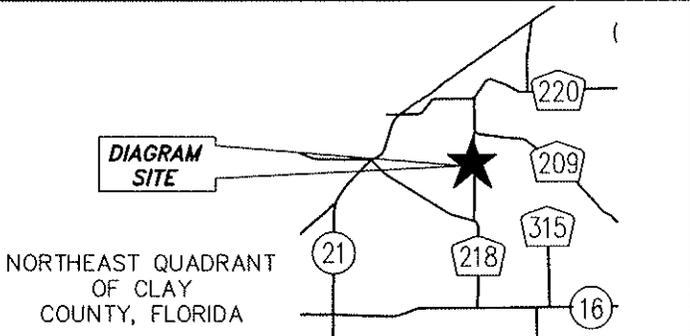
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 3.4 MILES ON COUNTY ROAD NO. 218 TO HENLEY ROAD. THENCE PROCEED NORTHERLY ON HENLEY ROAD 2.0 MILES TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 40± FEET WESTERLY OF THE CENTERLINE OF HENLEY ROAD AND 4.0± FEET EAST OF A WITNESS POST.

REFERENCES

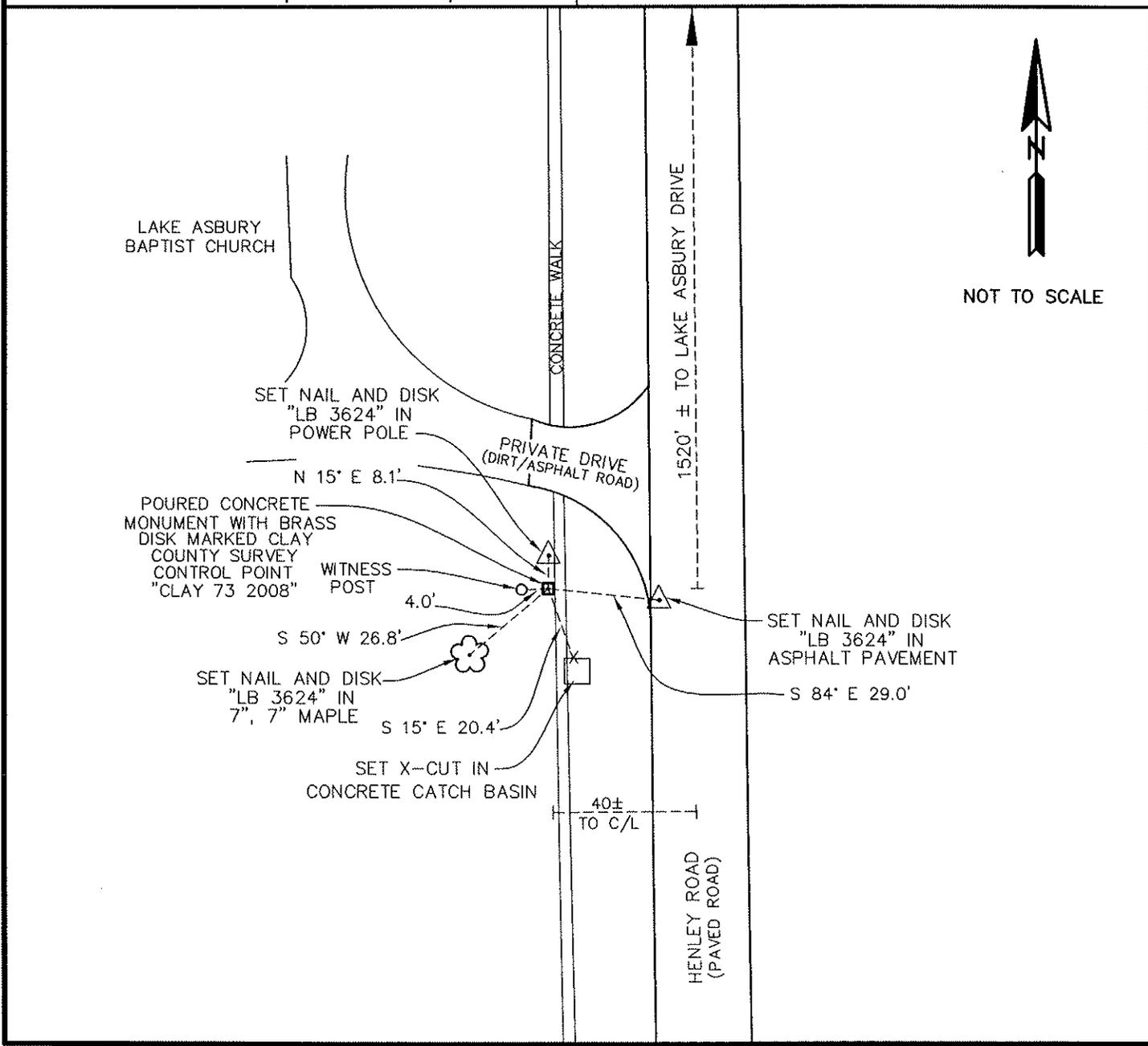
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 84° EAST AT 29.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 15° EAST AT 8.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 7" AND 7" MAPLE, SOUTH 50° WEST AT 26.8 FEET.
- 4) SET X-CUT IN CONCRETE CATCH BASIN, SOUTH 15° EAST AT 20.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 73
DESC. BY: A. HARRELL	STAMPING: CLAY 73 2008	YEAR SET: 2008
SEC: 16 TWP: 5S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1464-76



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2082296.47 FEET
EASTING: 400032.31 FEET
LATITUDE: 30° 03' 32.44523" N
LONGITUDE: 81° 48' 34.71538" W
CONVERGENCE: -0° 24' 20.03067"
SCALE FACTOR: 1.000016345
NEAREST INTERVISIBLE STATION: CLAY 74



CLAY 74

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 6 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA.

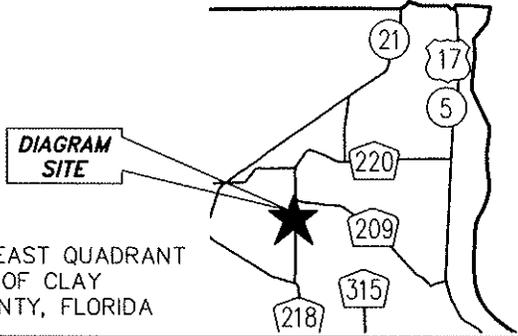
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 3.4 MILES ON COUNTY ROAD NO. 218 TO HENLEY ROAD. THENCE PROCEED NORTHERLY ON HENLEY ROAD 1.6 MILES TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 110± FEET NORTHERLY OF THE CENTERLINE OF COKESBURY COURT, 20± FEET EASTERLY OF THE CENTERLINE OF HENLEY ROAD AND 10.7± FEET WEST OF A WITNESS POST.

REFERENCES

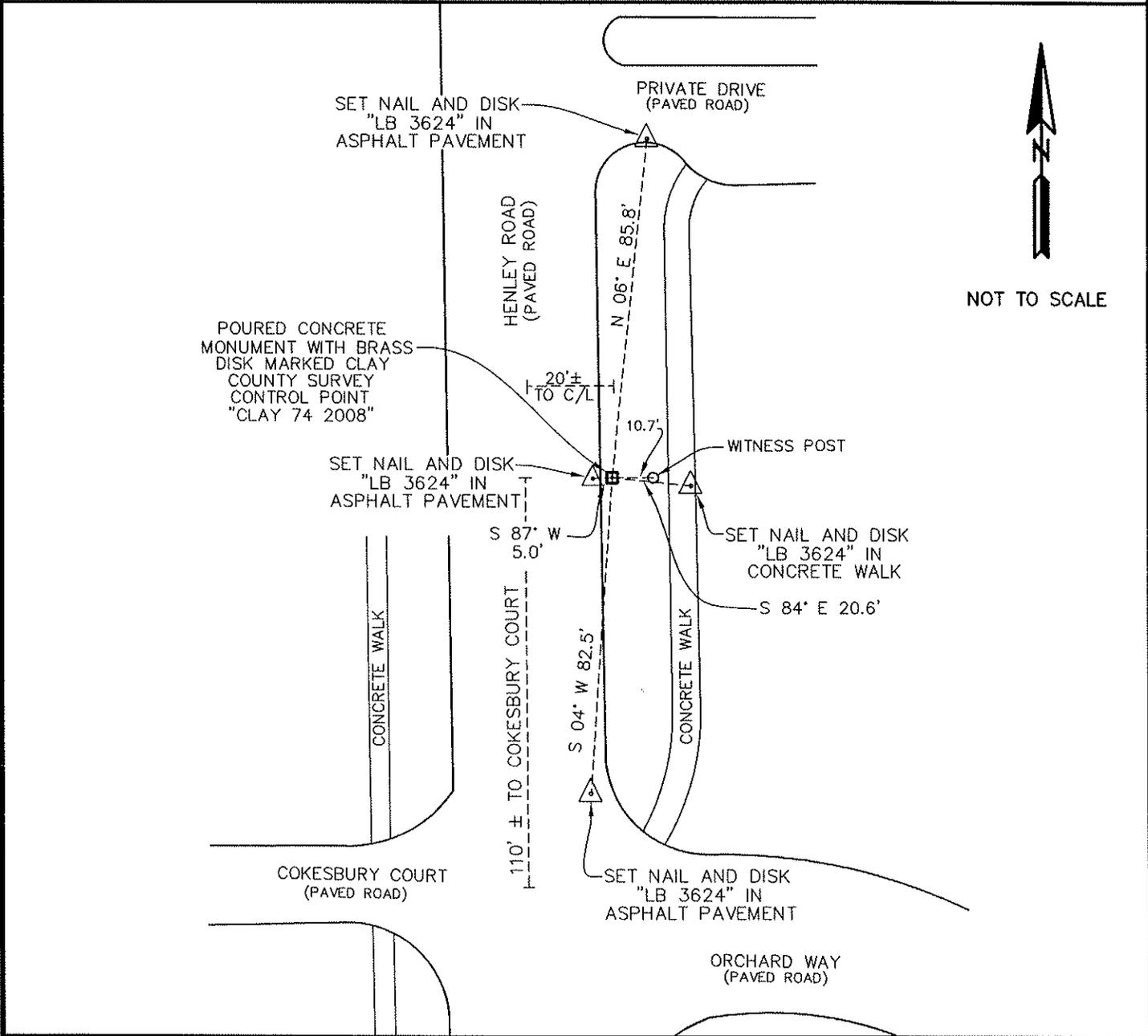
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 87° WEST AT 5.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 84° EAST AT 20.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 06° EAST AT 85.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 04° WEST AT 82.5 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 74
DESC. BY: K. BAILEY	STAMPING: CLAY 74 2008	YEAR SET: 2008
SEC: 20 TWP: 5S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1464-77



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2081058.75 FEET
EASTING: 400112.81 FEET
LATITUDE: 30° 03' 20.19987" N
LONGITUDE: 81° 48' 33.69973" W
CONVERGENCE: -0° 24' 19.37215"
SCALE FACTOR: 1.000016298
NEAREST INTERVISIBLE STATION: CLAY 73



CLAY 75

THE STATION IS LOCATED APPROXIMATELY 8 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 220 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 7.2 MILES ON COUNTY ROAD NO. 220, TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 60± FEET WESTERLY OF THE CENTERLINE OF LAGO DEL SUR DRIVE, 49± FEET NORTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 220 AND 8.0± FEET SOUTH OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 10° WEST AT 38.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 77° EAST AT 56.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 30° WEST AT 6.9 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 58° EAST AT 36.6 FEET.

CLAY 76

THE STATION IS LOCATED APPROXIMATELY 8 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

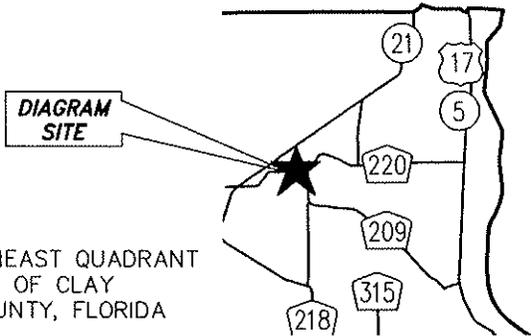
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 220 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 7.0 MILES ON COUNTY ROAD NO. 220, TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 73± FEET EASTERLY OF THE CENTERLINE OF HOLLARS PLACE, 48± FEET SOUTHERLY OF THE CENTERLINE OF COUNTY ROAD NO. 220 AND 12.1± FEET NORTH OF A WITNESS POST.

REFERENCES

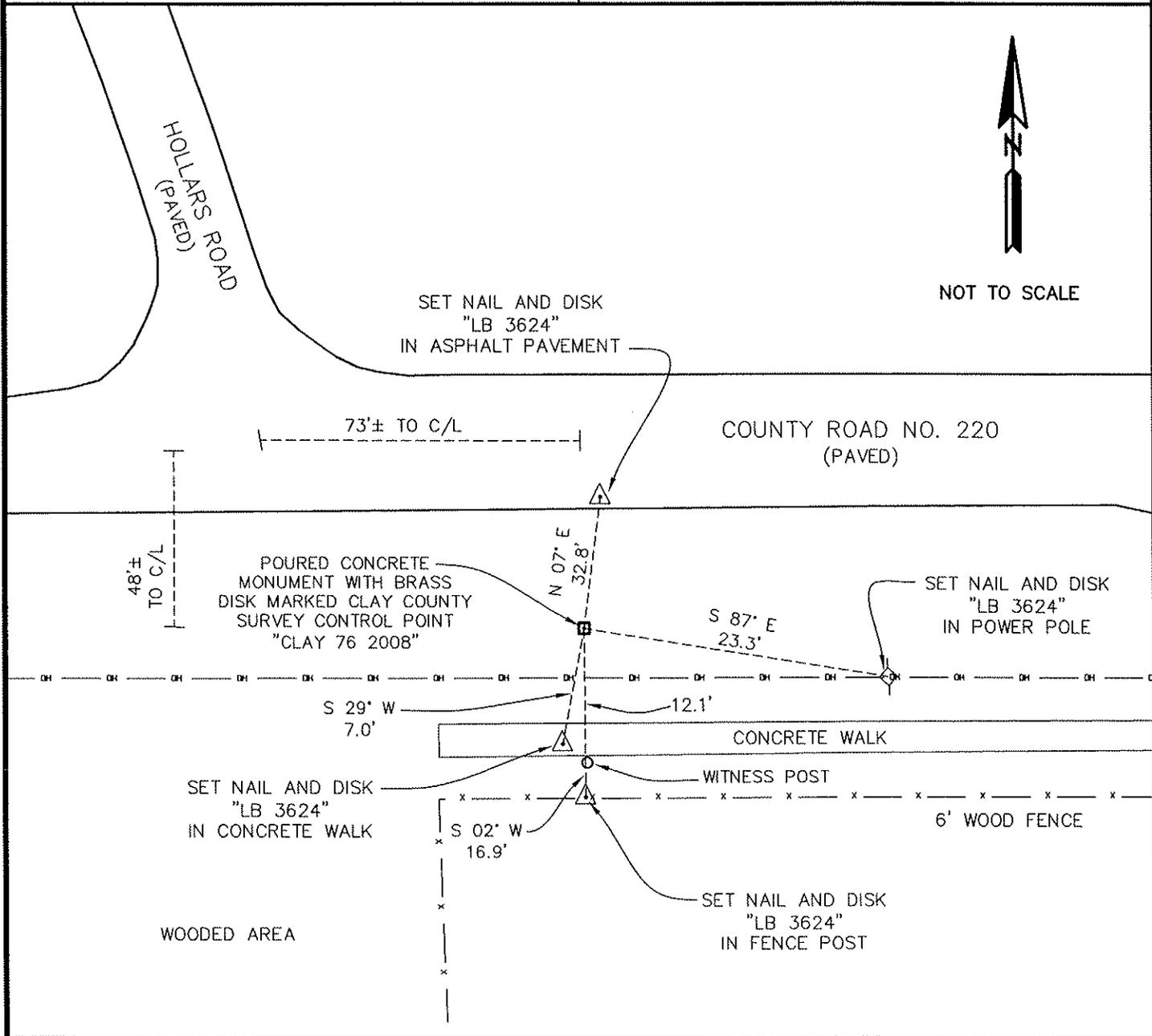
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 07° EAST AT 32.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 29° WEST AT 7.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 87° EAST AT 23.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 02° WEST AT 16.9 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 76
DESC. BY: D. SCHENCK	STAMPING: CLAY 76 2008	YEAR SET: 2008
SEC: 5 TWP: 5S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-17



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2095770.67 FEET
EASTING: 398780.65 FEET
LATITUDE: 30° 05' 45.72563" N
LONGITUDE: 81° 48' 50.04923" W
CONVERGENCE: -0° 24' 29.35082"
SCALE FACTOR: 1.000017081
NEAREST INTERVISIBLE STATION: CLAY 75



CLAY 77

THE STATION IS LOCATED APPROXIMATELY 7 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 5 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

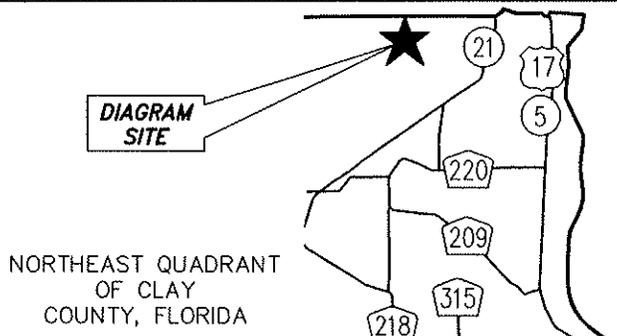
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF INTERSTATE NO. 295 AND 103RD STREET IN DUVAL COUNTY, FLORIDA. PROCEED WESTERLY 2.0 MILES ON 103RD STREET TO SHINDLER DRIVE. THENCE PROCEED SOUTHERLY 3.5 MILES ON SHINDLER DRIVE TO ARGYLE FOREST BOULEVARD. THENCE PROCEED SOUTHEASTERLY 0.2 MILES ON ARGYLE FOREST BOULEVARD TO CHESWICK OAK AVENUE. THENCE PROCEED SOUTHERLY 0.8 MILES ON CHESWICK OAKS AVENUE TO THE STATION ON THE RIGHT IN CLAY COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 31± FEET WESTERLY OF THE CENTERLINE OF CHESWICK OAK AVENUE AND 8.7± FEET EASTERLY OF A WITNESS POST.

REFERENCES

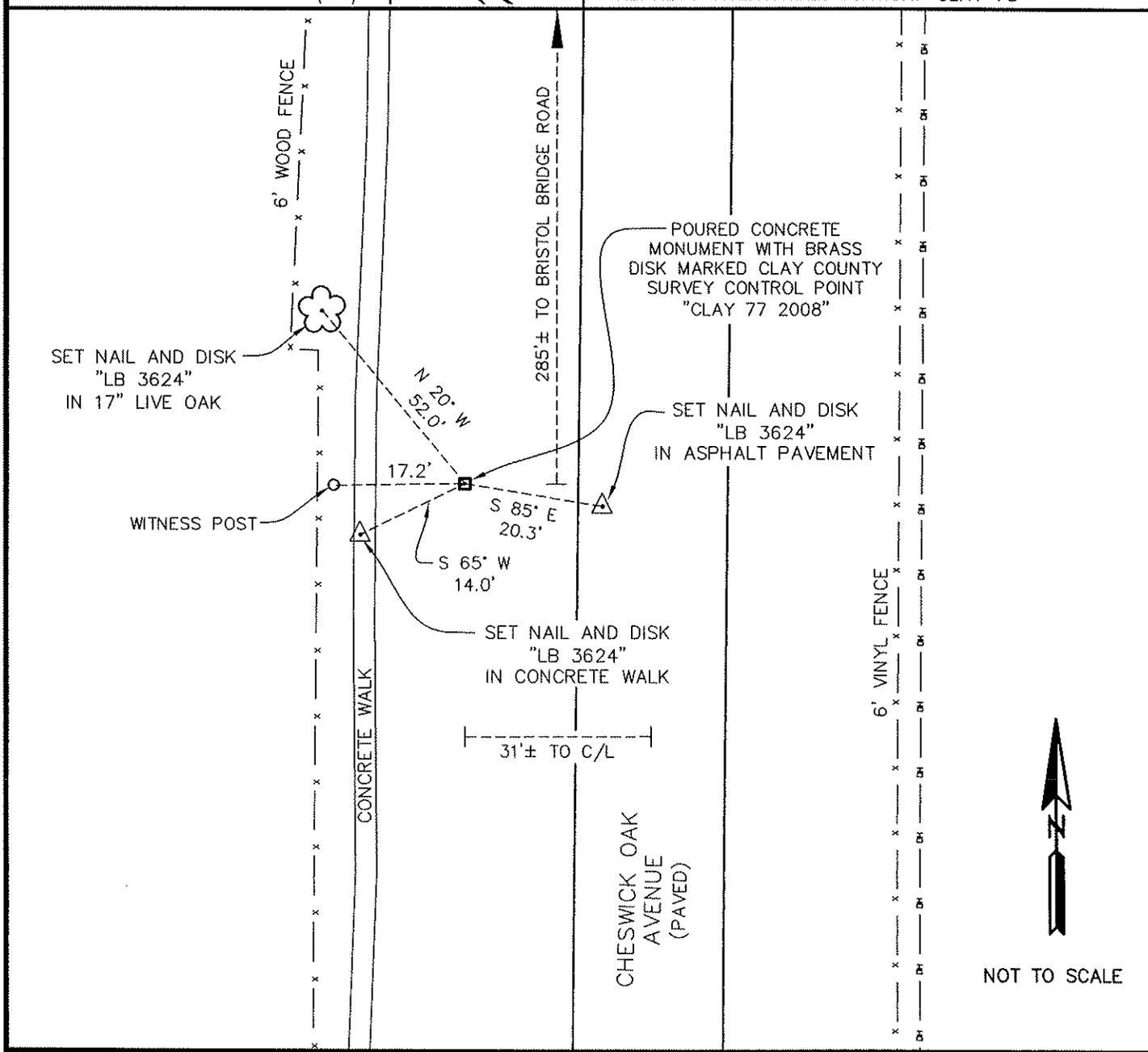
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 85° EAST AT 20.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 65° WEST AT 14.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 17" LIVE OAK, NORTH 20° WEST AT 52.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 77
DESC. BY: D. SCHENCK	STAMPING: CLAY 77 2008	YEAR SET: 2008
SEC: 4 TWP: 4S RGE: 25E	USGS QUAD NAME: JACKSONVILLE HEIGHTS	F.B.—PG: X1463-1



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2127861.65 FEET
EASTING: 403830.24 FEET
LATITUDE: 30° 11' 03.71439" N
LONGITUDE: 81° 47' 55.12695" W
CONVERGENCE: -0° 24' 05.63909"
SCALE FACTOR: 1.000014131
NEAREST INTERVISIBLE STATION: CLAY 78



CLAY 78

THE STATION IS LOCATED APPROXIMATELY 7 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 5 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

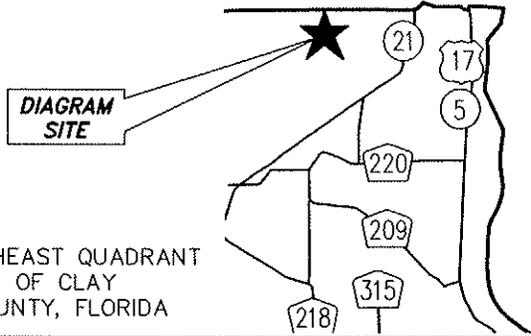
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF INTERSTATE NO. 295 AND 103RD STREET IN DUVAL COUNTY, FLORIDA. PROCEED WESTERLY 2.0 MILES ON 103RD STREET TO SHINDLER DRIVE. THENCE PROCEED SOUTHERLY 3.5 MILES ON SHINDLER DRIVE TO ARGYLE FOREST BOULEVARD. THENCE PROCEED SOUTHEASTERLY 0.2 MILES ON ARGYLE FOREST BOULEVARD TO CHESWICK OAK AVENUE. THENCE PROCEED SOUTHERLY 1 MILE ON CHESWICK OAKS AVENUE TO THE STATION ON THE RIGHT IN CLAY COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 150± FEET SOUTHERLY OF SPENCER PLANTATION BOULEVARD, 31± FEET WESTERLY OF THE CENTERLINE OF CHESWICK OAK AVENUE AND 17.2± FEET EASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 19.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, NORTH 80° WEST AT 18.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 7" SYCAMORE, SOUTH 75° WEST AT 22.1 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 10" SYCAMORE, NORTH 40° WEST AT 34.6 FEET.

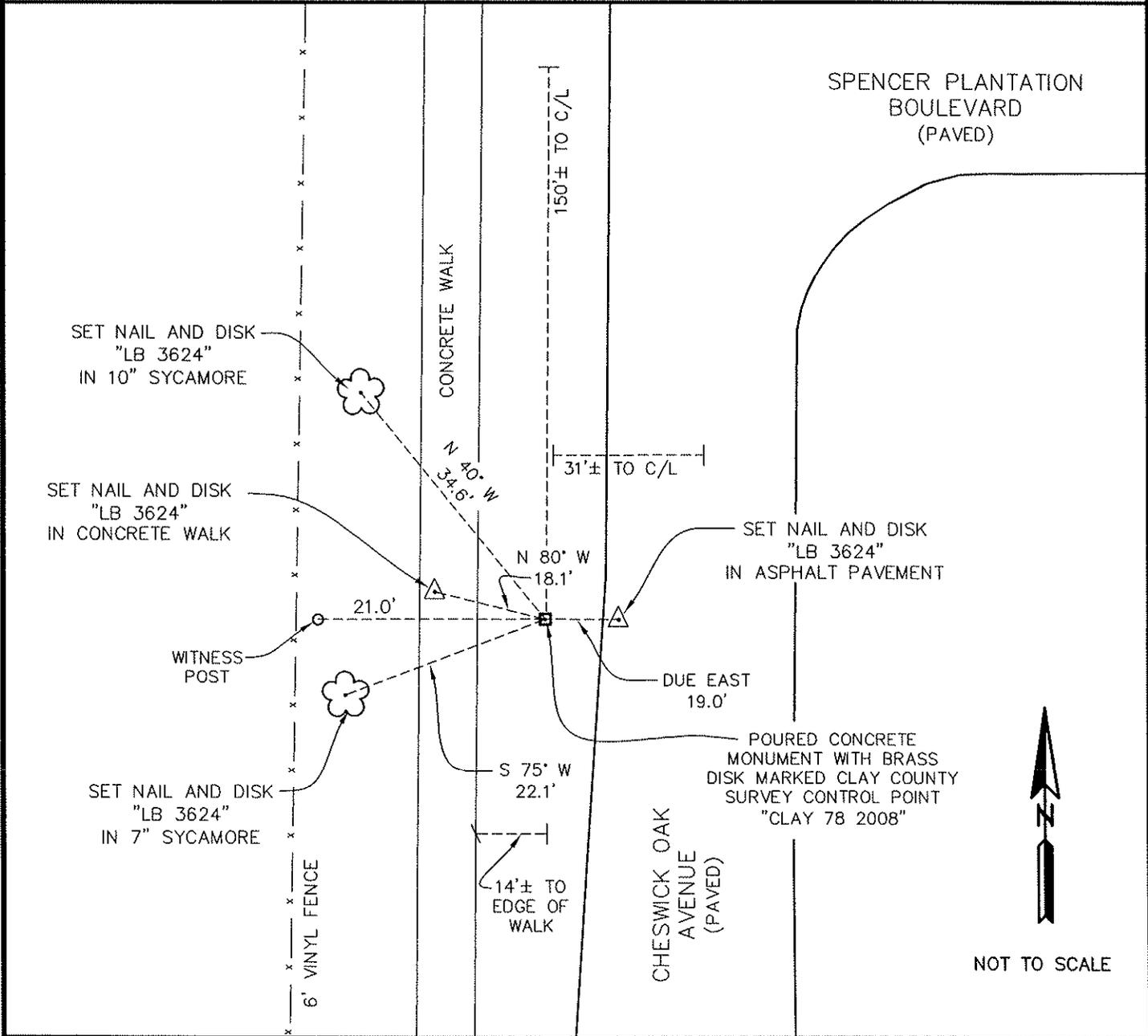
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 78
DESC. BY: D. SCHENCK	STAMPING: CLAY 78 2008	YEAR SET: 2008
SEC: 4 TWP: 4S RGE: 25E	USGS QUAD NAME: JACKSONVILLE HEIGHTS	F.B.-PG: X1463-2



NORTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2126829.21 FEET
EASTING: 403819.25 FEET
LATITUDE: 30° 10' 53.49464" N
LONGITUDE: 81° 47' 55.16968" W
CONVERGENCE: -0° 24' 05.53743"
SCALE FACTOR: 1.000014137
NEAREST INTERVISIBLE STATION: CLAY 77



NOT TO SCALE

CLAY 79

THE STATION IS LOCATED APPROXIMATELY 8 MILES WEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 7 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

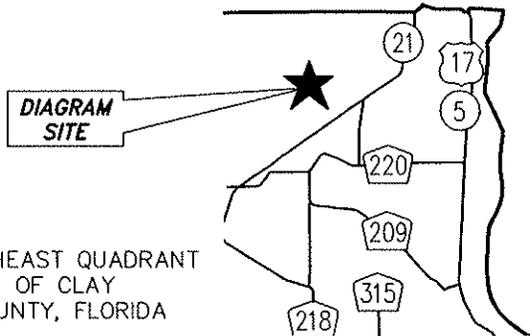
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 228 (NORMANDY BOULEVARD) AND STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) IN DUVAL COUNTY, FLORIDA. PROCEED SOUTHERLY 7.6 MILES ON STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) TO OAKLEAF PLANTATION PARKWAY IN CLAY COUNTY, FLORIDA. THENCE PROCEED WESTERLY 0.3 MILES ON OAKLEAF PLANTATION PARKWAY TO THE STATION ON THE LEFT LYING WITHIN THE MEDIAN OF OAKLEAF PLANTATION PARKWAY. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 39± FEET SOUTHERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF OAKLEAF PLANTATION PARKWAY AND 5.3± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

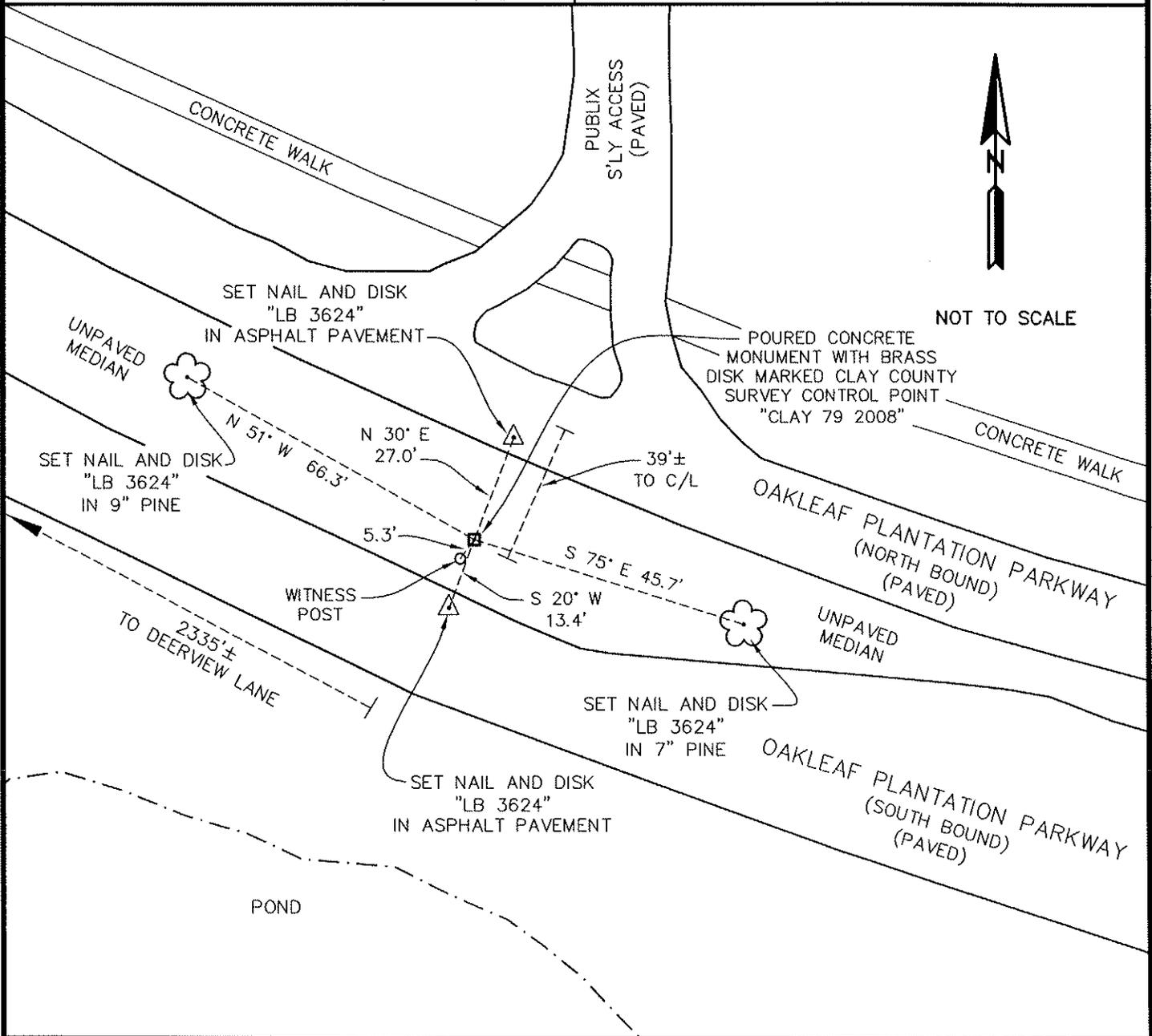
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 20° WEST AT 13.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 30° EAST AT 27.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 9" PINE, NORTH 51° WEST AT 66.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 7" PINE, SOUTH 75° EAST AT 45.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 79
DESC. BY: D. SCHENCK	STAMPING: CLAY 79 2008	YEAR SET: 2008
SEC: 7 TWP: 4S RGE: 25E	USGS QUAD NAME: JACKSONVILLE HEIGHTS	F.B.-PG: X1463-3



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2118970.20 FEET
EASTING: 391794.72 FEET
LATITUDE: 30° 09' 34.85334" N
LONGITUDE: 81° 50' 11.50449" W
CONVERGENCE: -0° 25' 13.09650"
SCALE FACTOR: 1.000021256
NEAREST INTERVISIBLE STATION: CLAY 80



CLAY 80

THE STATION IS LOCATED APPROXIMATELY 8 MILES WEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 7 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

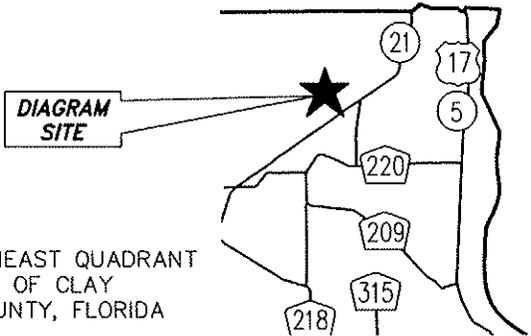
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 228 (NORMANDY BOULEVARD) AND STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) IN DUVAL COUNTY, FLORIDA. PROCEED SOUTHERLY 7.6 MILES ON STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) TO OAKLEAF PLANTATION PARKWAY IN CLAY COUNTY, FLORIDA. THENCE PROCEED WESTERLY 0.5 MILES ON OAKLEAF PLANTATION PARKWAY TO THE STATION ON THE LEFT LYING WITHIN THE MEDIAN OF OAKLEAF PLANTATION PARKWAY. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 19± FEET SOUTHWESTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF OAKLEAF PLANTATION PARKWAY AND 5.2± FEET SOUTHEASTERLY OF A WITNESS POST.

REFERENCES

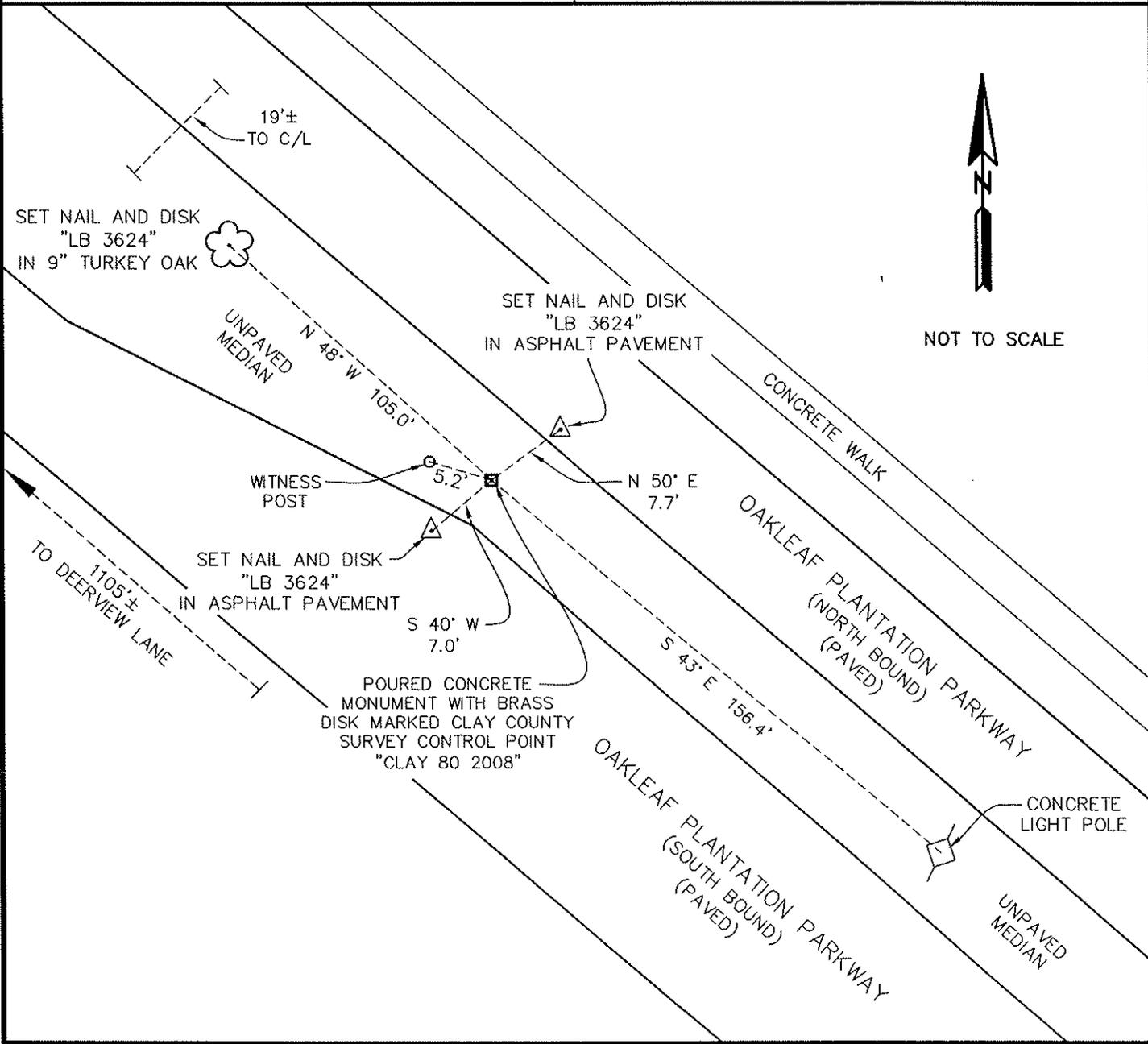
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 40° WEST AT 7.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 50° EAST AT 7.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 9" TURKEY OAK, NORTH 48° WEST AT 105.0 FEET.
- 4) CONCRETE LIGHT POLE, SOUTH 43° EAST AT 156.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 80
DESC. BY: D. SCHENCK	STAMPING: CLAY 80 2008	YEAR SET: 2008
SEC: 7 TWP: 4S RGE: 25E	USGS QUAD NAME: JACKSONVILLE HEIGHTS	F.B.--PG: X1463-4



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2119729.12 FEET
EASTING: 390837.16 FEET
LATITUDE: 30° 09' 42.29538" N
LONGITUDE: 81° 50' 22.47491" W
CONVERGENCE: -0° 25' 18.70335"
SCALE FACTOR: 1.000021838
NEAREST INTERVISIBLE STATION: CLAY 79



CLAY 81

THE STATION IS LOCATED APPROXIMATELY 1 MILES NORTHWEST OF ORANGE PARK, FLORIDA AND 14 MILES NORTHWESTERLY OF GREEN COVE SPRINGS, FLORIDA.

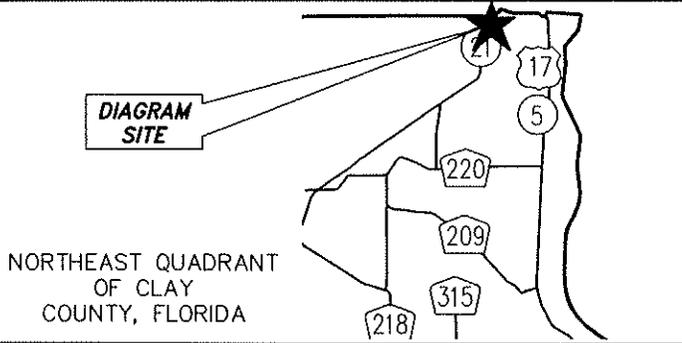
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF INTERSTATE NO. 295 AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN DUVAL COUNTY, FLORIDA. PROCEED SOUTHERLY 0.6 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO WELLS ROAD IN CLAY COUNTY, FLORIDA AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 70± FEET NORTHERLY OF THE CENTERLINE OF WELLS ROAD, 100± WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 AND 3.6± FEET EASTERLY OF A WITNESS POST.

REFERENCES

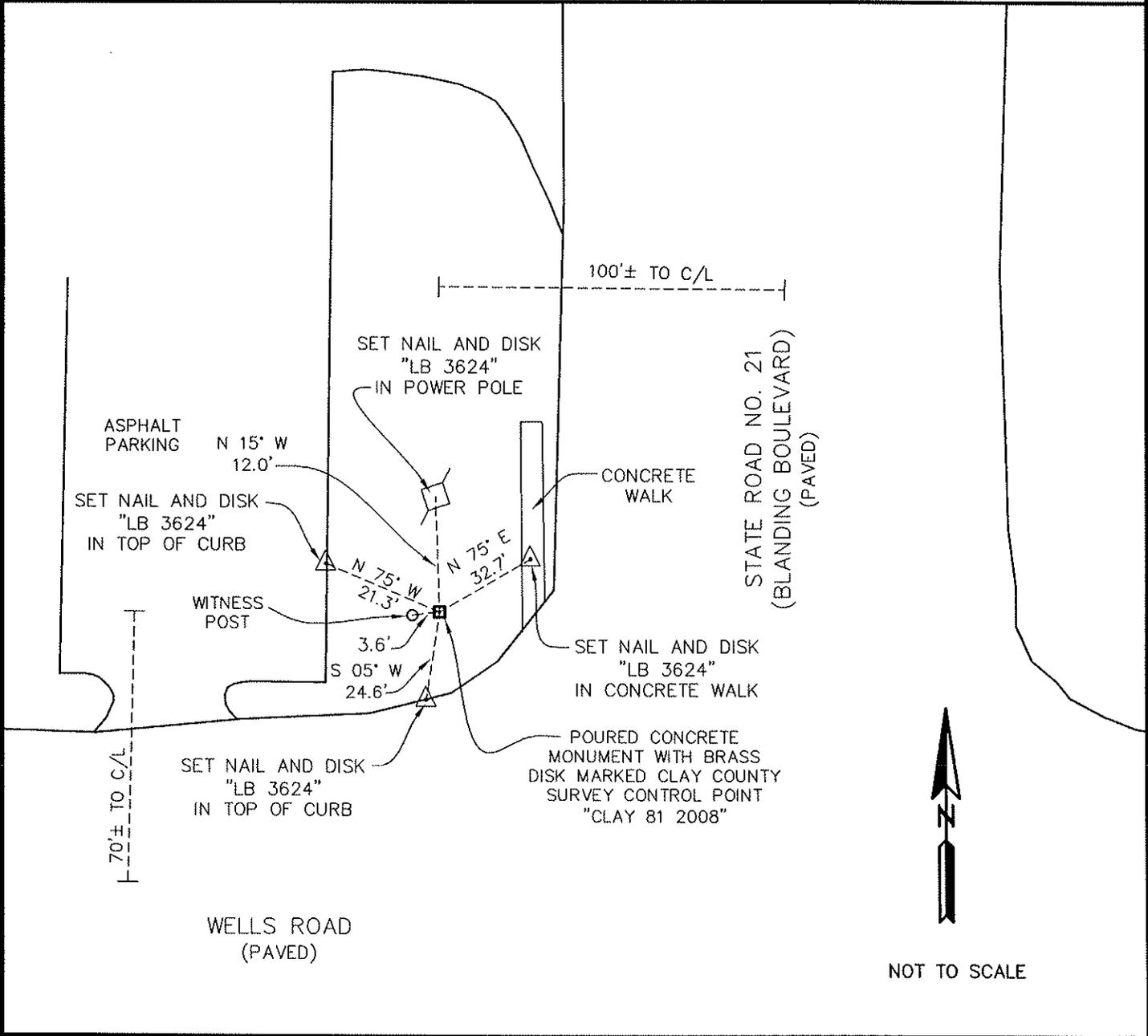
- 1) SET NAIL AND DISK (LB 3624) IN TOP OF CURB, NORTH 75° WEST AT 21.3 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, NORTH 75° EAST AT 32.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN TOP OF CURB OF, SOUTH 05° WEST AT 24.6 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 15° WEST AT 12.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 81
DESC. BY: D. SCHENCK	STAMPING: CLAY 81 2008	YEAR SET: 2008
SEC: 6 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-5



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2128750.22 FEET
EASTING: 422476.06 FEET
LATITUDE: 30° 11' 13.75526" N
LONGITUDE: 81° 44' 22.757141" W
CONVERGENCE: -0° 22' 18.96037"
SCALE FACTOR: 1.00003747
NEAREST INTERVISIBLE STATION: CLAY 82



NOT TO SCALE

CLAY 82

THE STATION IS LOCATED APPROXIMATELY 1 MILES NORTHWEST OF ORANGE PARK, FLORIDA AND 14 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

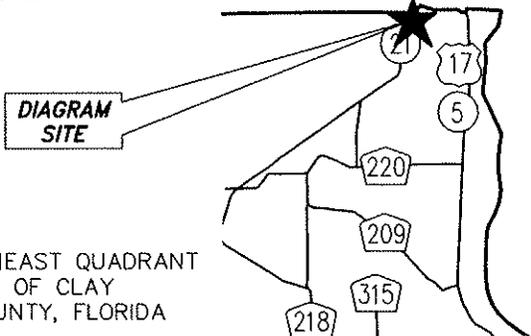
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF INTERSTATE NO. 295 AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN DUVAL COUNTY, FLORIDA. PROCEED SOUTHERLY 0.5 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO THE STATION ON THE RIGHT IN CLAY COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 45± FEET WESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 SOUTH BOUND LANES AND 5.3± FEET EASTERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 21.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 08° WEST AT 74.9 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 87° WEST AT 41.4 FEET.
- 4) SET X-CUT ON CONCRETE END WALL, SOUTH 64° WEST AT 21.2 FEET.

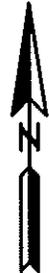
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 82
DESC. BY: D. SCHENCK	STAMPING: CLAY 82 2008	YEAR SET: 2008
SEC: 6 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-6

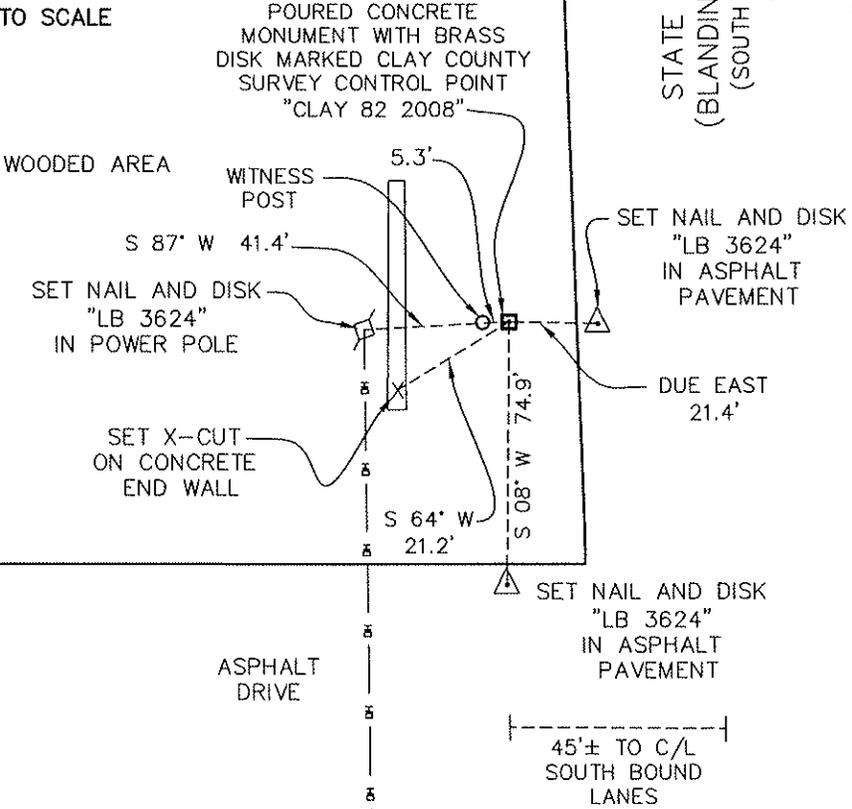


NORTHEAST QUADRANT OF CLAY COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2129674.08 FEET
EASTING: 422494.92 FEET
LATITUDE: 30° 11' 22.90085" N
LONGITUDE: 81° 44' 22.61061" W
CONVERGENCE: -0° 22' 18.98873"
SCALE FACTOR: 1.00003737
NEAREST INTERVISIBLE STATION: CLAY 81



NOT TO SCALE



STATE ROAD NO. 21
(BLANDING BOULEVARD)
(SOUTH BOUND LANES)
(PAVED)

UNPAVED MEDIAN

STATE ROAD NO. 21
(BLANDING BOULEVARD)
(NORTH BOUND LANES)
(PAVED)

990± TO WELLS ROAD

ASPHALT DRIVE

45'± TO C/L SOUTH BOUND LANES

CLAY 83

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

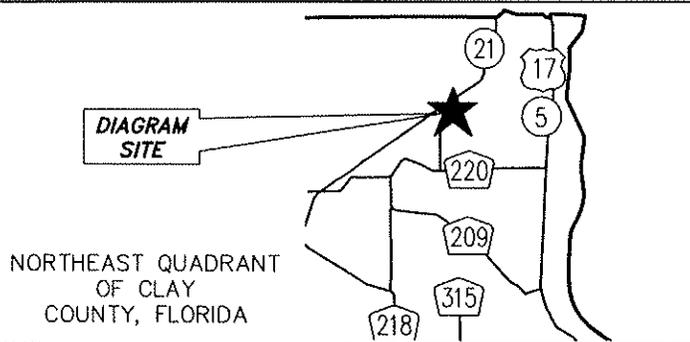
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 3.9 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO PARKRIDGE AVENUE. THENCE PROCEED SOUTHEASTERLY 0.2 MILES ON PARKRIDGE AVENUE TO COUNTY ROAD NO. 224 (COLLEGE DRIVE) AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 60± FEET SOUTHWESTERLY OF THE CENTERLINE OF PARKRIDGE AVENUE, 50± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 224 (COLLEGE DRIVE) AND 5.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

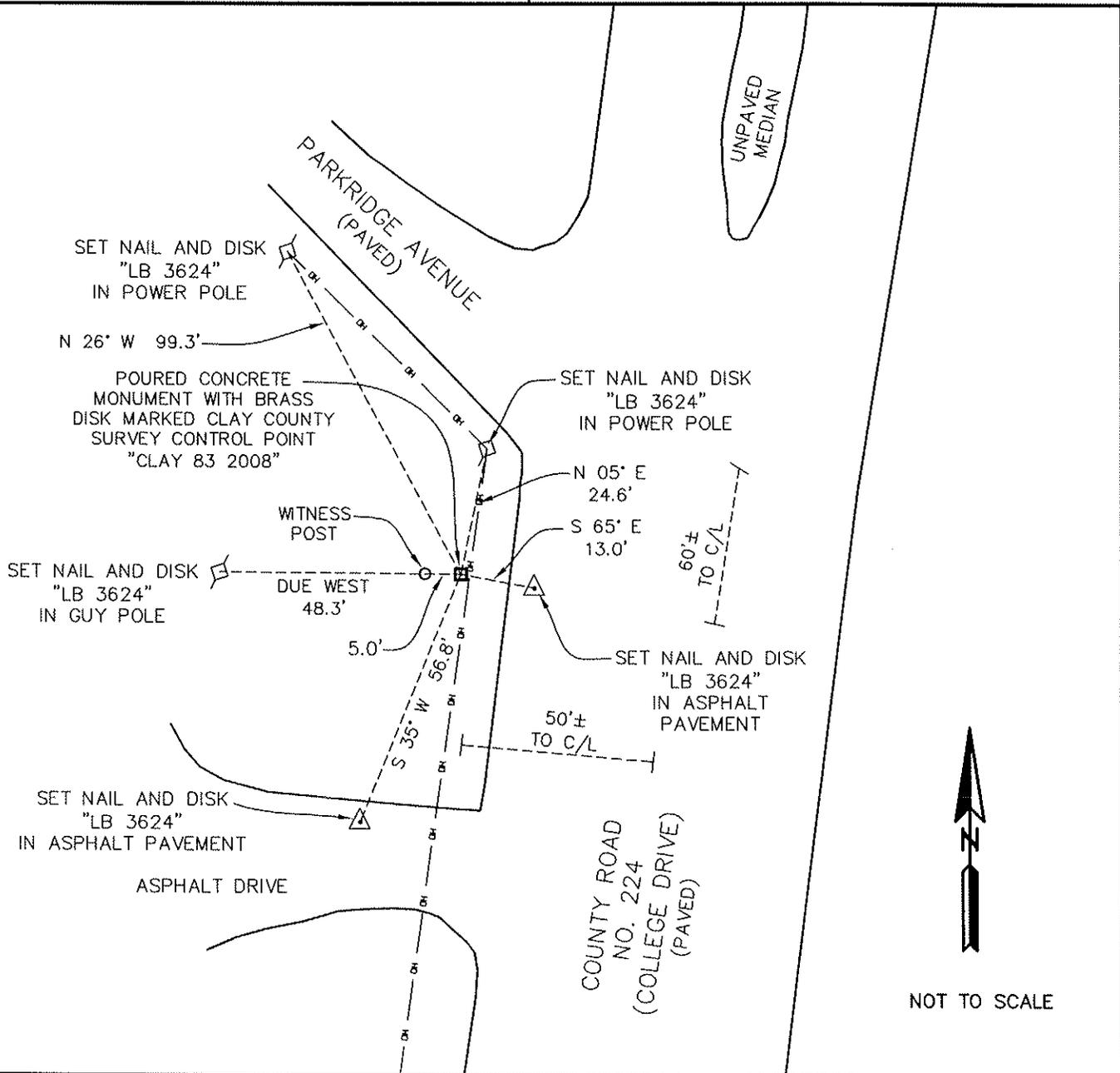
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 65° EAST AT 13.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE #2129, NORTH 05° EAST AT 24.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN GUY POLE, DUE WEST AT 48.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 35° WEST AT 56.8 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 26° WEST AT 99.3 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 83
DESC. BY: D. SCHENCK	STAMPING: CLAY 83 2008	YEAR SET: 2008
SEC: 40 TWP: 4S RGE: 25E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-7



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2109359.29 FEET
EASTING: 411330.65 FEET
LATITUDE: 30° 08' 01.09026" N
LONGITUDE: 81° 46' 28.24201" W
CONVERGENCE: -0° 23' 19.81395"
SCALE FACTOR: 1.00009859
NEAREST INTERVISIBLE STATION: CLAY 84



CLAY 84

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 11 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

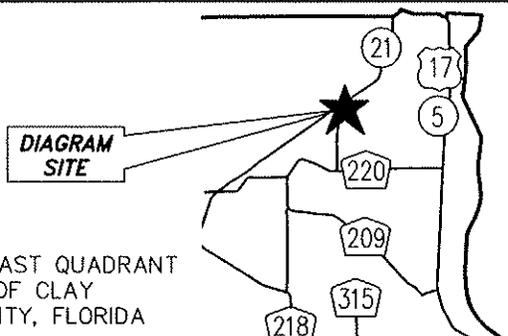
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 3.9 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO PARKRIDGE AVENUE. THENCE PROCEED SOUTHEASTERLY .2 MILES ON PARKRIDGE AVENUE TO COUNTY ROAD NO. 224 (COLLEGE DRIVE). THENCE PROCEED SOUTHERLY 0.2 MILES ON COUNTY ROAD NO. 224 (COLLEGE DRIVE) TO PEORIA ROAD AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 130± FEET NORTHERLY OF THE CENTERLINE OF PEORIA ROAD, 40± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 224 (COLLEGE DRIVE) AND 8.8± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

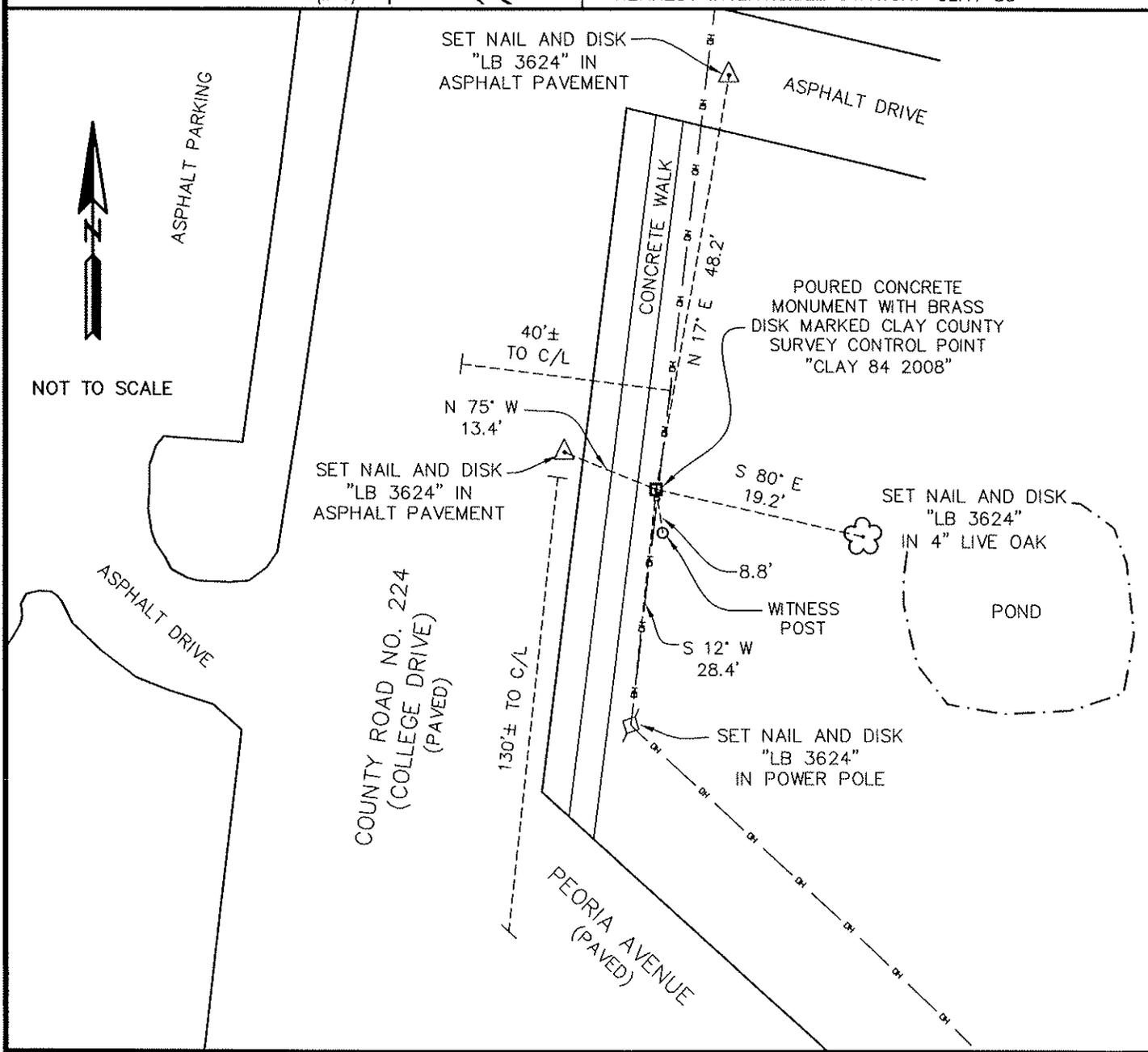
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 75° WEST AT 13.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 17° EAST AT 48.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 12° WEST AT 28.4 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 4" LIVE OAK, SOUTH 80° EAST AT 19.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 84
DESC. BY: D. SCHENCK	STAMPING: CLAY 84 2008	YEAR SET: 2008
SEC: 40 TWP: 4S RGE: 25E	USGS QUAD NAME: ORANGE PARK	F.B.—PG: X1463—8



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2108516.25 FEET
EASTING: 411306.70 FEET
LATITUDE: 30° 07' 52.74423" N
LONGITUDE: 81° 46' 28.44956" W
CONVERGENCE: -0° 23' 19.82058"
SCALE FACTOR: 1.00009872
NEAREST INTERVISIBLE STATION: CLAY 83



CLAY 85

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 10 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

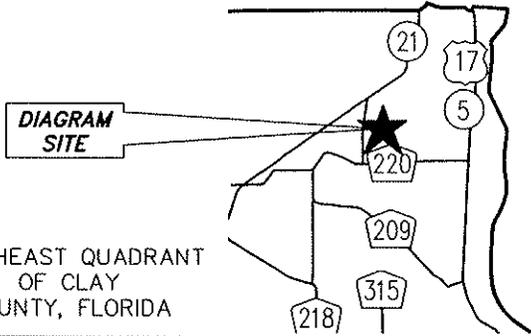
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 4.2 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO COUNTY ROAD NO. 224 (COLLEGE DRIVE). THENCE PROCEED SOUTHERLY 2.1 MILES ON COUNTY ROAD NO. 224 (COLLEGE DRIVE) TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 19± FEET EASTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF COUNTY ROAD NO. 224 (COLLEGE DRIVE) AND 3.4± FEET WESTERLY OF A WITNESS POST.

REFERENCES

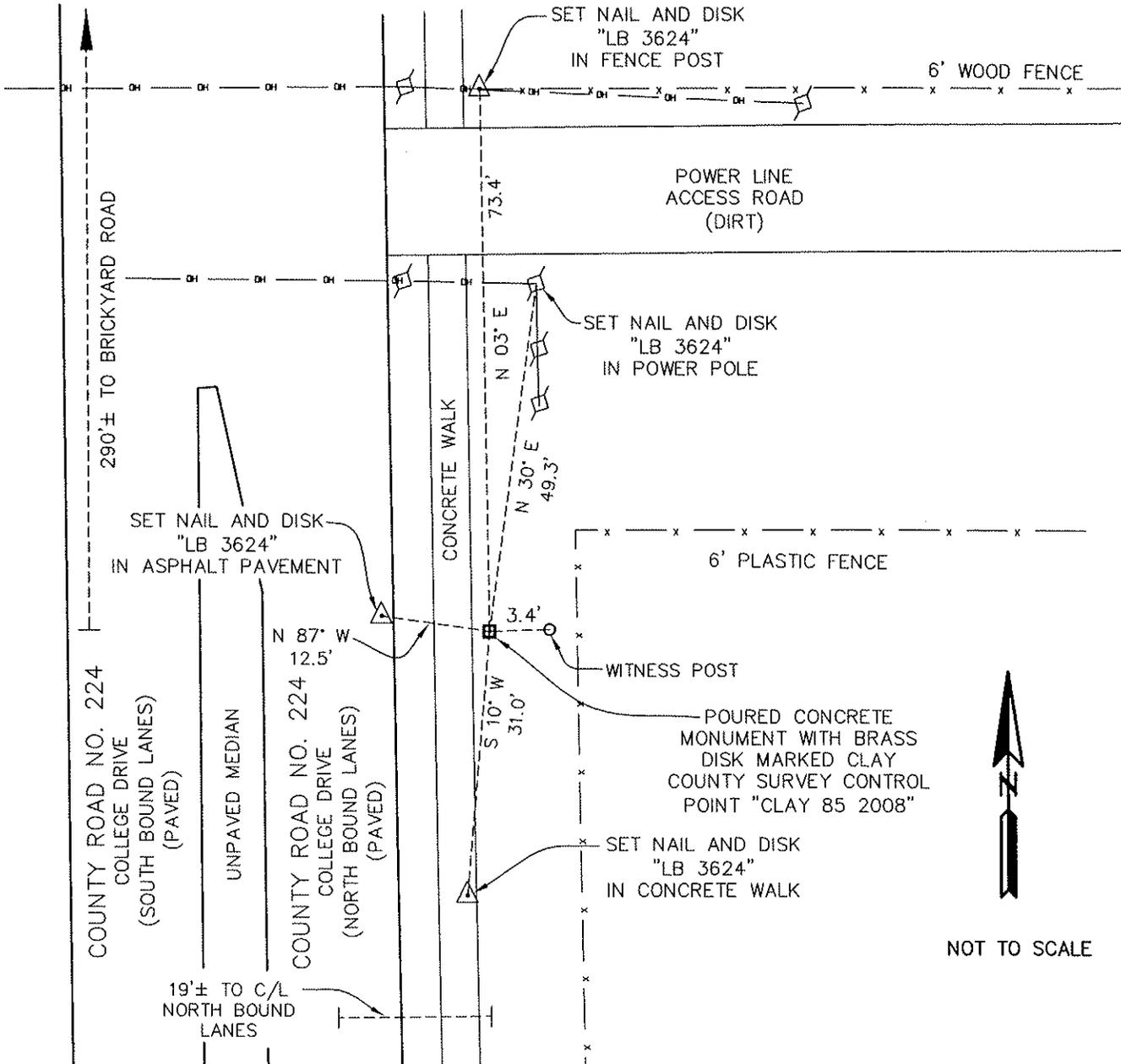
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 87° WEST AT 12.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 10° WEST AT 31.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 30° EAST AT 49.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 03° EAST AT 73.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 85
DESC. BY: D. SCHENCK	STAMPING: CLAY 85 2008	YEAR SET: 2008
SEC: 35 TWP: 4S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-9



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2099720.71 FEET
EASTING: 410703.75 FEET
LATITUDE: 30° 06' 25.64481" N
LONGITUDE: 81° 46' 34.63440" W
CONVERGENCE: -0° 23' 21.90492"
SCALE FACTOR: 1.000010211
NEAREST INTERVISIBLE STATION: CLAY 84



NOT TO SCALE

CLAY 86

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 10 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

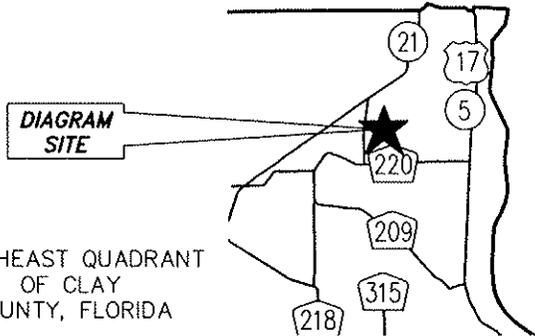
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 4.2 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO COUNTY ROAD NO. 224 (COLLEGE DRIVE). THENCE PROCEED SOUTHERLY 1.9 MILES ON COUNTY ROAD NO. 224 (COLLEGE DRIVE) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 33± FEET WESTERLY OF THE CENTERLINE OF THE SOUTH BOUND LANES OF COUNTY ROAD NO. 224 (COLLEGE DRIVE) AND 13.5± FEET EASTERLY OF A WITNESS POST.

REFERENCES

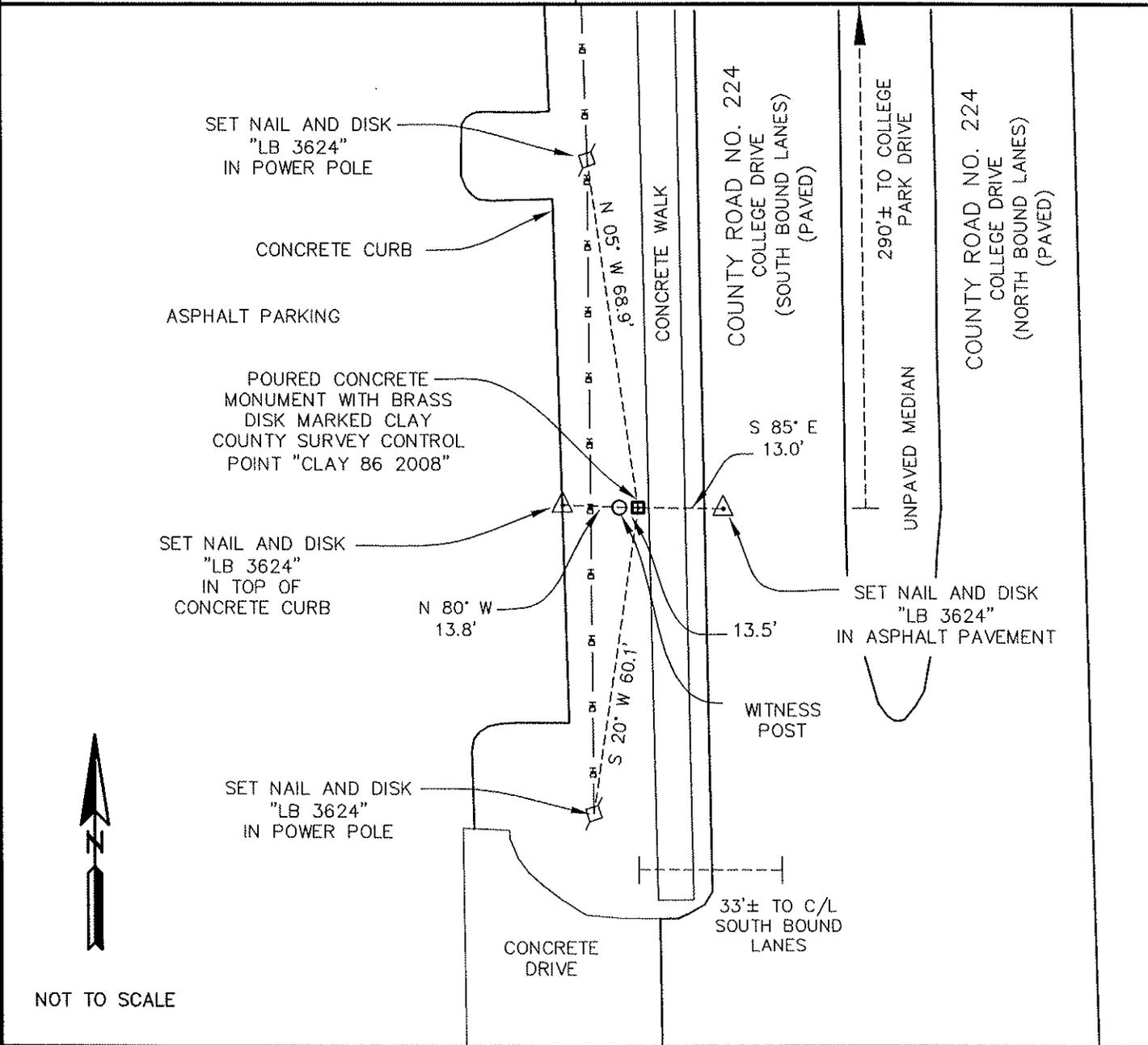
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 85° EAST AT 13.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN TOP OF CONCRETE, NORTH 80° WEST AT 13.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 05° WEST AT 68.9 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 20° WEST AT 60.1 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 86
DESC. BY: D. SCHENCK	STAMPING: CLAY 86 2008	YEAR SET: 2008
SEC: 35 TWP: 4S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-10



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2100796.04 FEET
EASTING: 410591.76 FEET
LATITUDE: 30° 06' 36.28091" N
LONGITUDE: 81° 46' 35.99260" W
CONVERGENCE: -0° 23' 22.71104"
SCALE FACTOR: 1.000010274
NEAREST INTERVISIBLE STATION: CLAY 85



CLAY 87

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 8 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

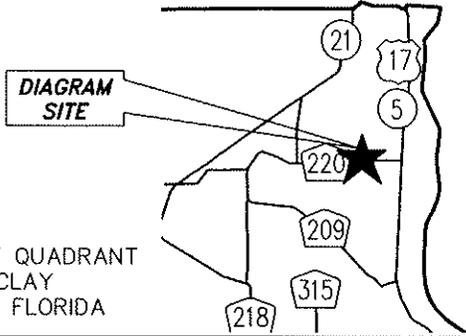
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 220 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.6 MILES ON COUNTY ROAD NO. 220 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 23± FEET SOUTHERLY OF THE CENTERLINE OF THE EAST BOUND LANES OF COUNTY ROAD NO. 220 AND 8.4± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 04° EAST AT 12.2 FEET.
- 2) CONCRETE POWER POLE, SOUTH 79° EAST AT 94.8 FEET.
- 3) CONCRETE POWER POLE #135, SOUTH 88° WEST AT 62.6 FEET.

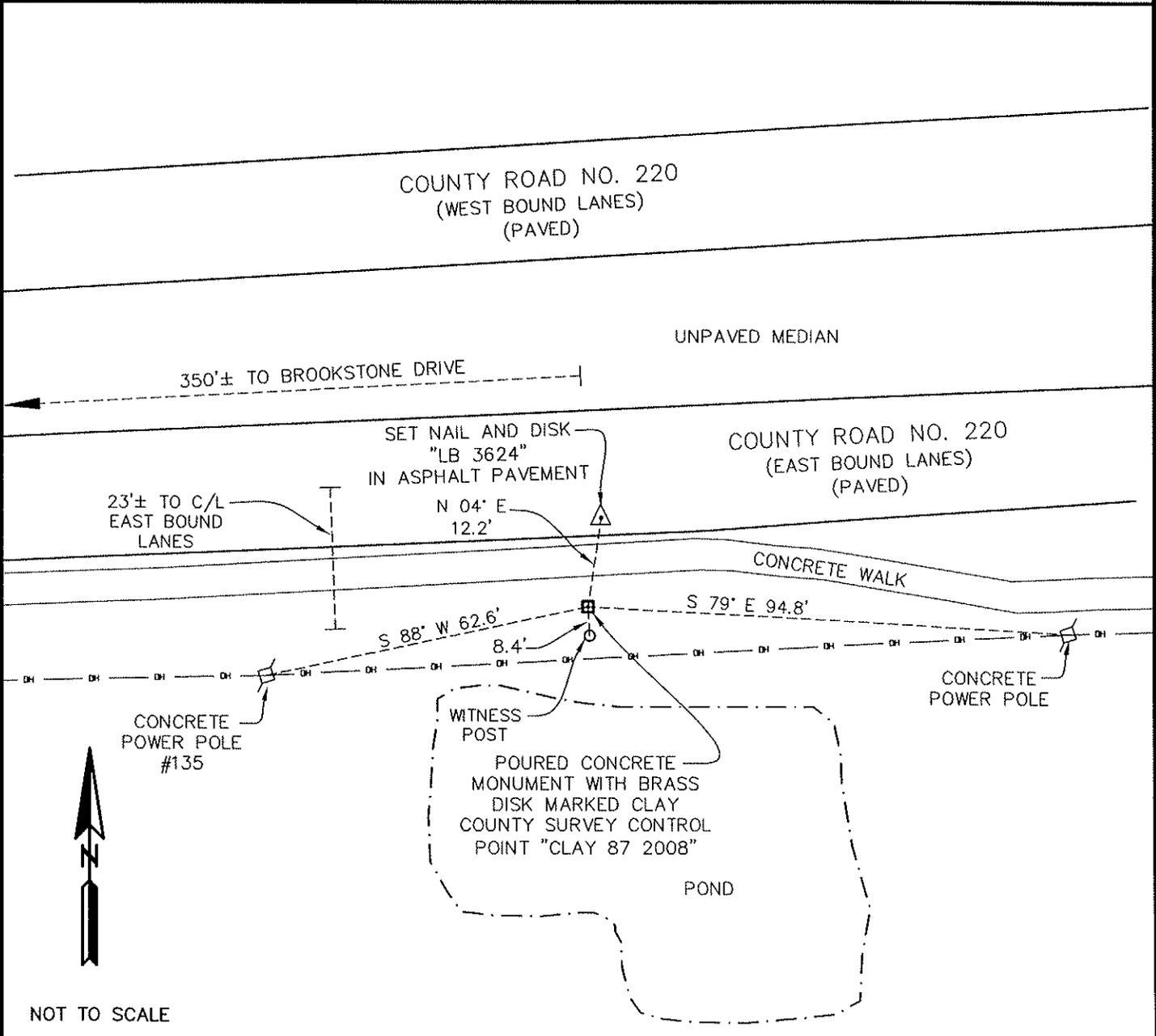
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 87
DESC. BY: D. SCHENCK	STAMPING: CLAY 87 2008	YEAR SET: 2008
SEC: 31 TWP: 4S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-11



NORTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2097723.89 FEET
EASTING: 424634.58 FEET
LATITUDE: 30° 06' 06.79046" N
LONGITUDE: 81° 43' 55.89518" W
CONVERGENCE: -0° 22' 02.05949"
SCALE FACTOR: 1.00002598
NEAREST INTERVISIBLE STATION: CLAY 88



CLAY 88

THE STATION IS LOCATED APPROXIMATELY 5 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 8 MILES NORTHEAST OF MIDDLEBURG, FLORIDA.

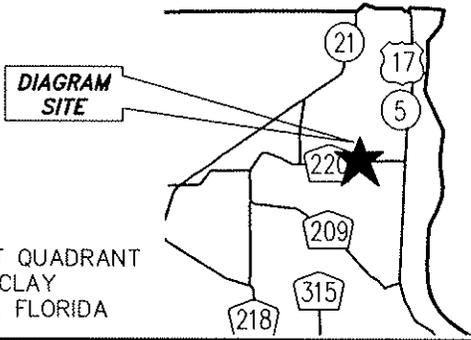
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 AND COUNTY ROAD NO. 220 IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.4 MILES ON COUNTY ROAD NO. 220 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 55± FEET NORTHERLY OF THE CENTERLINE OF THE WEST BOUND LANES OF COUNTY ROAD NO. 220 AND 12.6± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE SOUTH AT 40.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 82° WEST AT 31.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 72° EAST AT 36.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

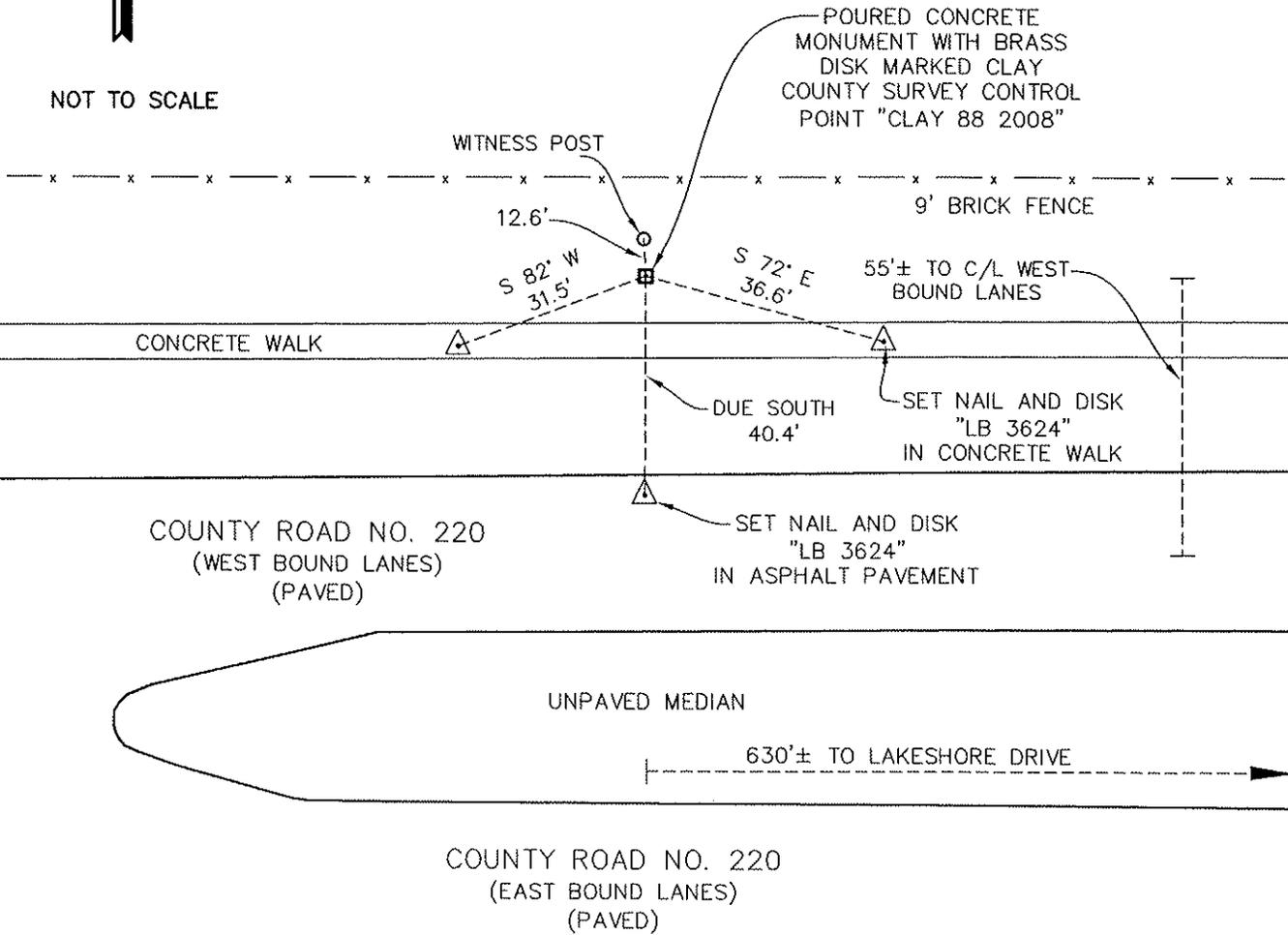
COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 88
DESC. BY: D. SCHENCK	STAMPING: CLAY 88 2008	YEAR SET: 2008
SEC: 31 TWP: 4S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-12



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2097918.06 FEET
EASTING: 425881.23 FEET
LATITUDE: 30° 06' 08.79133" N
LONGITUDE: 81° 43' 41.71761" W
CONVERGENCE: -0° 21' 54.97001"
SCALE FACTOR: 1.00001938
NEAREST INTERVISIBLE STATION: CLAY 87



NOT TO SCALE



CLAY 89

THE STATION IS LOCATED APPROXIMATELY 8 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 12 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

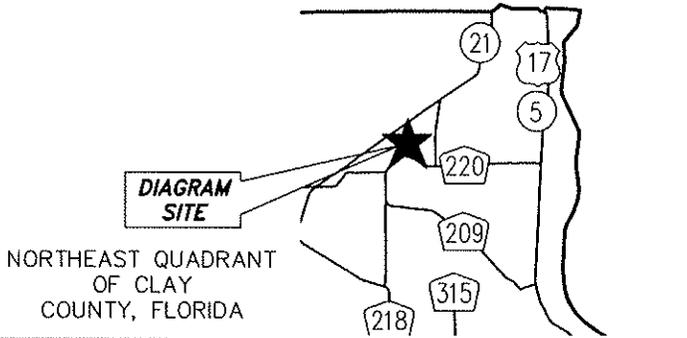
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 0.8 MILES ON STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) TO OLD JENNINGS ROAD. THENCE PROCEED WESTERLY 0.8 MILES ON OLD JENNINGS ROAD TO BRANNAN MILL BOULEVARD AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 75± FEET EASTERLY OF THE CENTERLINE OF BRANNAN MILL BOULEVARD, 32± FEET NORTHERLY OF THE CENTERLINE OF OLD JENNINGS ROAD AND 5.2± FEET EASTERLY OF A WITNESS POST.

REFERENCES

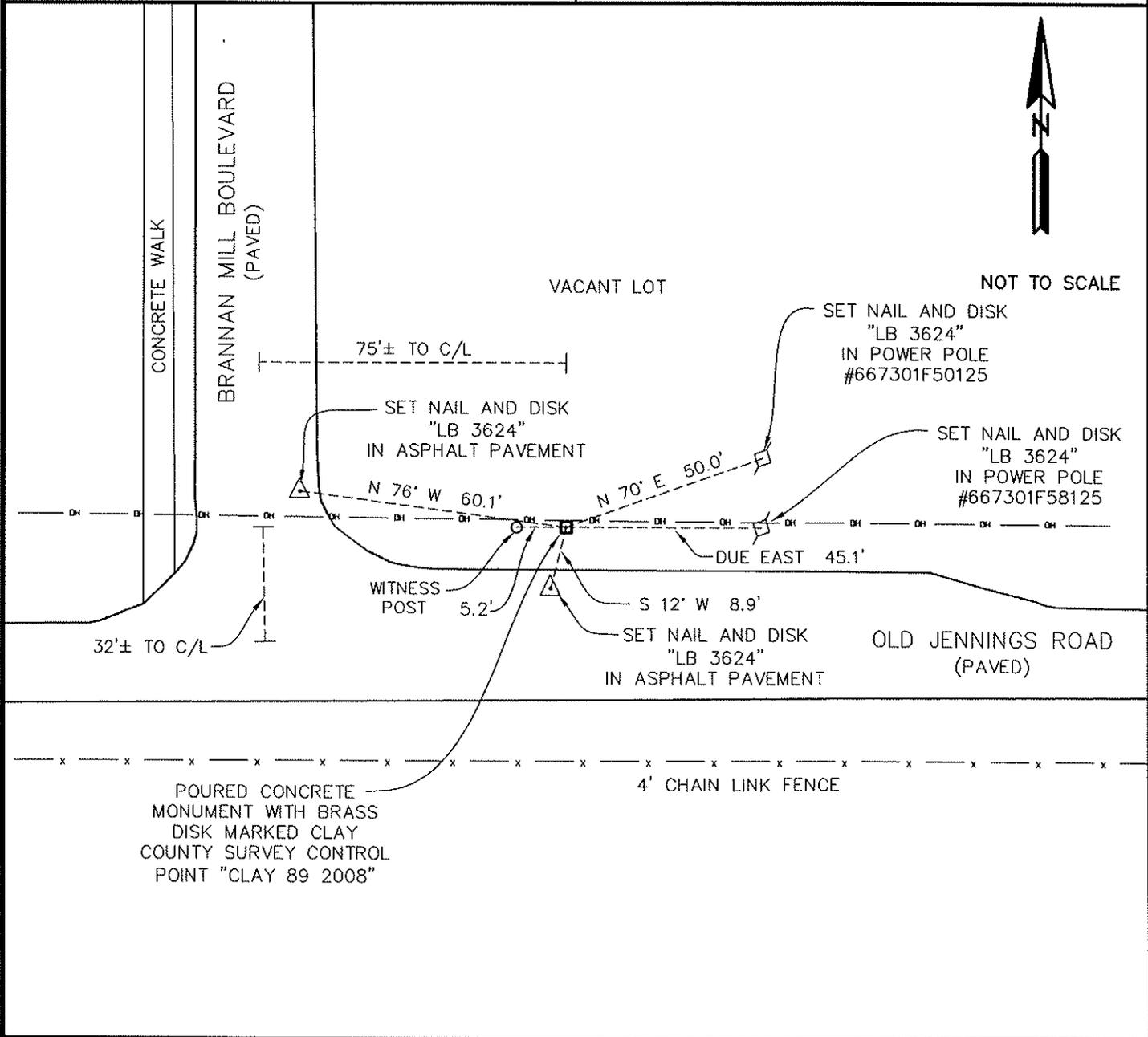
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 12° WEST AT 8.9 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 76° WEST AT 60.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #667301F58125, DUE EAST AT 45.1 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #667301F50125, NORTH 70° EAST AT 50.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 89
DESC. BY: D. SCHENCK	STAMPING: CLAY 89 2008	YEAR SET: 2008
SEC: 29 TWP: 4S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-13



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2102560.24 FEET
EASTING: 397456.76 FEET
LATITUDE: 30° 06' 52.83520" N
LONGITUDE: 81° 49' 05.67258" W
CONVERGENCE: -0° 24' 38.01550"
SCALE FACTOR: 1.000017864
NEAREST INTERVISIBLE STATION: CLAY 90



CLAY 90

THE STATION IS LOCATED APPROXIMATELY 8 MILES SOUTHWEST OF ORANGE PARK, FLORIDA AND APPROXIMATELY 12 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

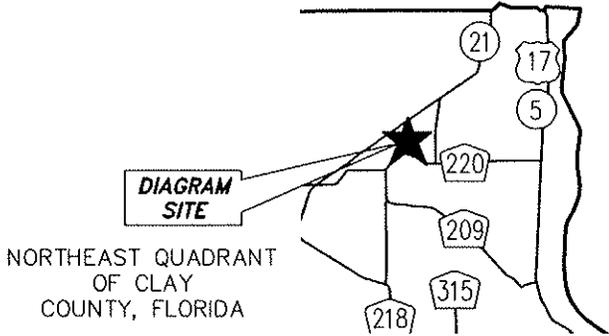
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 0.8 MILES ON STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) TO OLD JENNINGS ROAD. THENCE PROCEED WESTERLY 0.4 MILES ON OLD JENNINGS ROAD THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 33± FEET SOUTHERLY OF THE CENTERLINE OF OLD JENNINGS ROAD AND 5.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

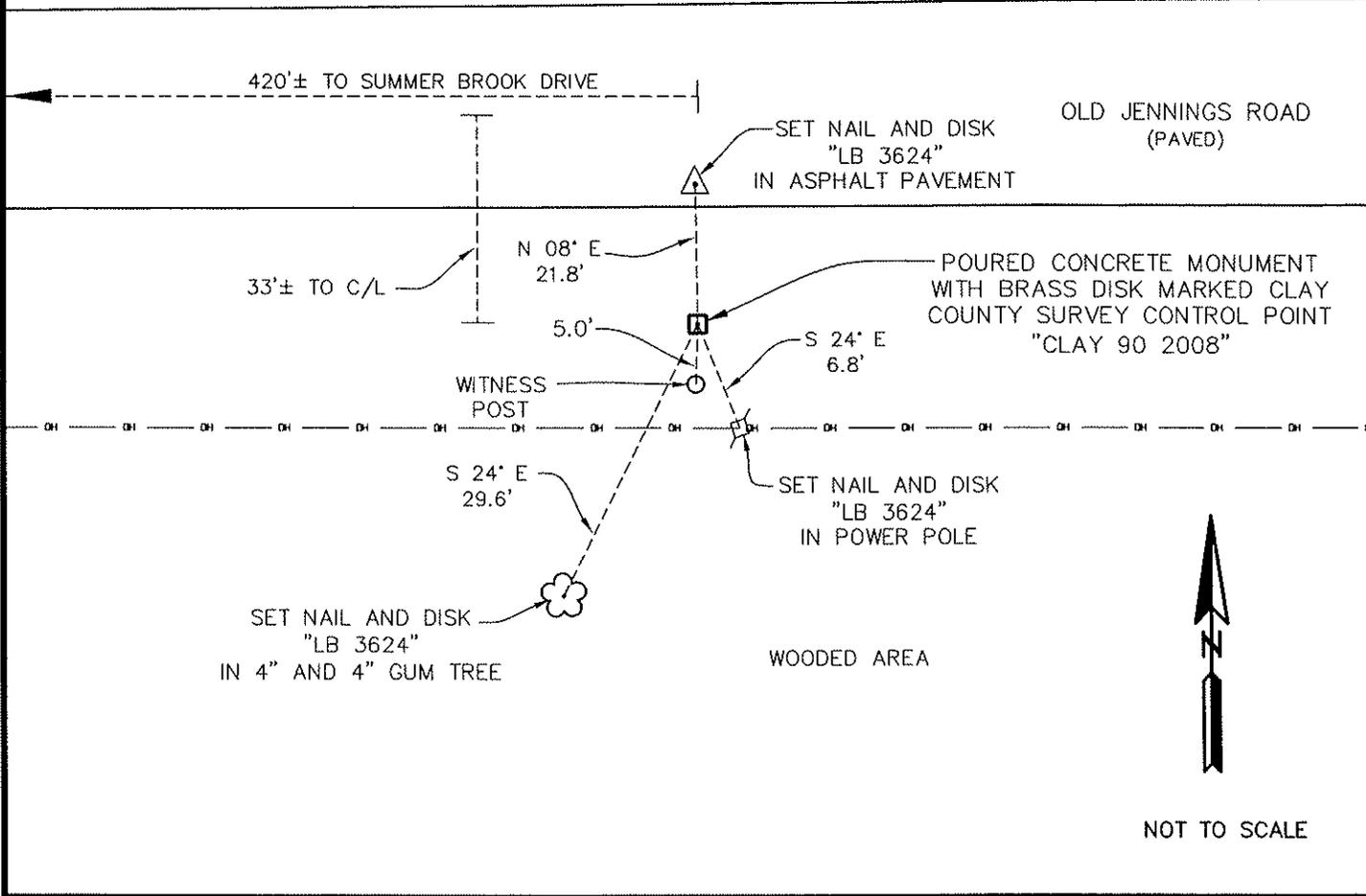
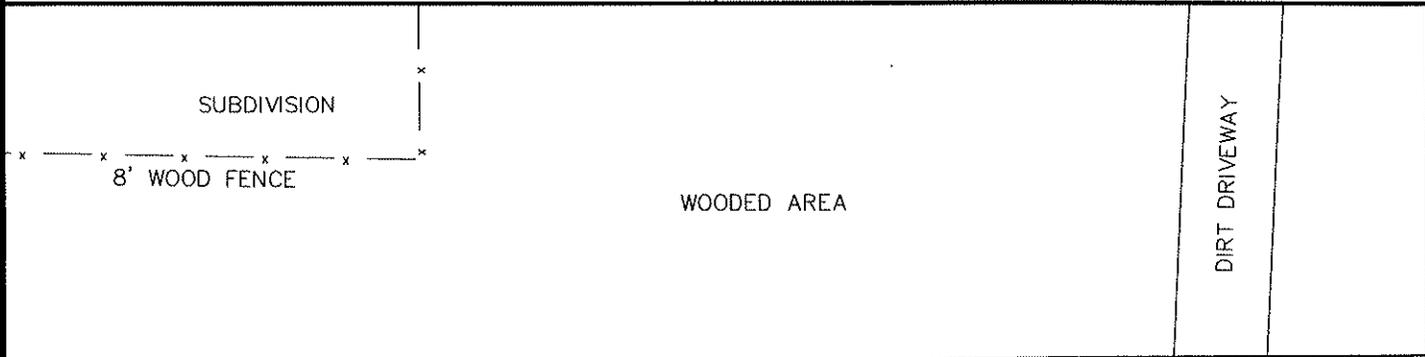
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 08° EAST AT 21.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 24° EAST AT 6.8 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 4" AND 4" GUM TREE, SOUTH 24° WEST AT 29.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 90
DESC. BY: D. SCHENCK	STAMPING: CLAY 90 2008	YEAR SET: 2008
SEC: 29 TWP: 4S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.—PG: X1463—14



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2102486.40 FEET
EASTING: 395785.06 FEET
LATITUDE: 30° 06' 51.98531" N
LONGITUDE: 81° 49' 24.69888" W
CONVERGENCE: -0° 24' 47.55253"
SCALE FACTOR: 1.000018858
NEAREST INTERVISIBLE STATION: CLAY 89



CLAY 95

THE STATION IS LOCATED APPROXIMATELY 7 MILES EAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 6 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

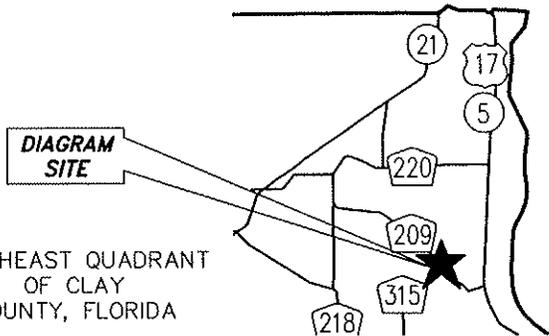
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION U.S. HIGHWAY NO. 17 AND STATE ROAD NO. 16 WEST IN CLAY COUNTY, FLORIDA. PROCEED NORTHWESTERLY 3.4 MILES ON U.S. HIGHWAY NO. 17 TO COUNTY ROAD NO. 209 NORTH (RUSSELL ROAD). THENCE PROCEED WESTERLY AND NORTHWESTERLY 3.2 MILES ON COUNTY ROAD NO. 209 NORTH (RUSSELL ROAD) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 34± FEET SOUTHEASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 209 NORTH (RUSSELL ROAD) AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

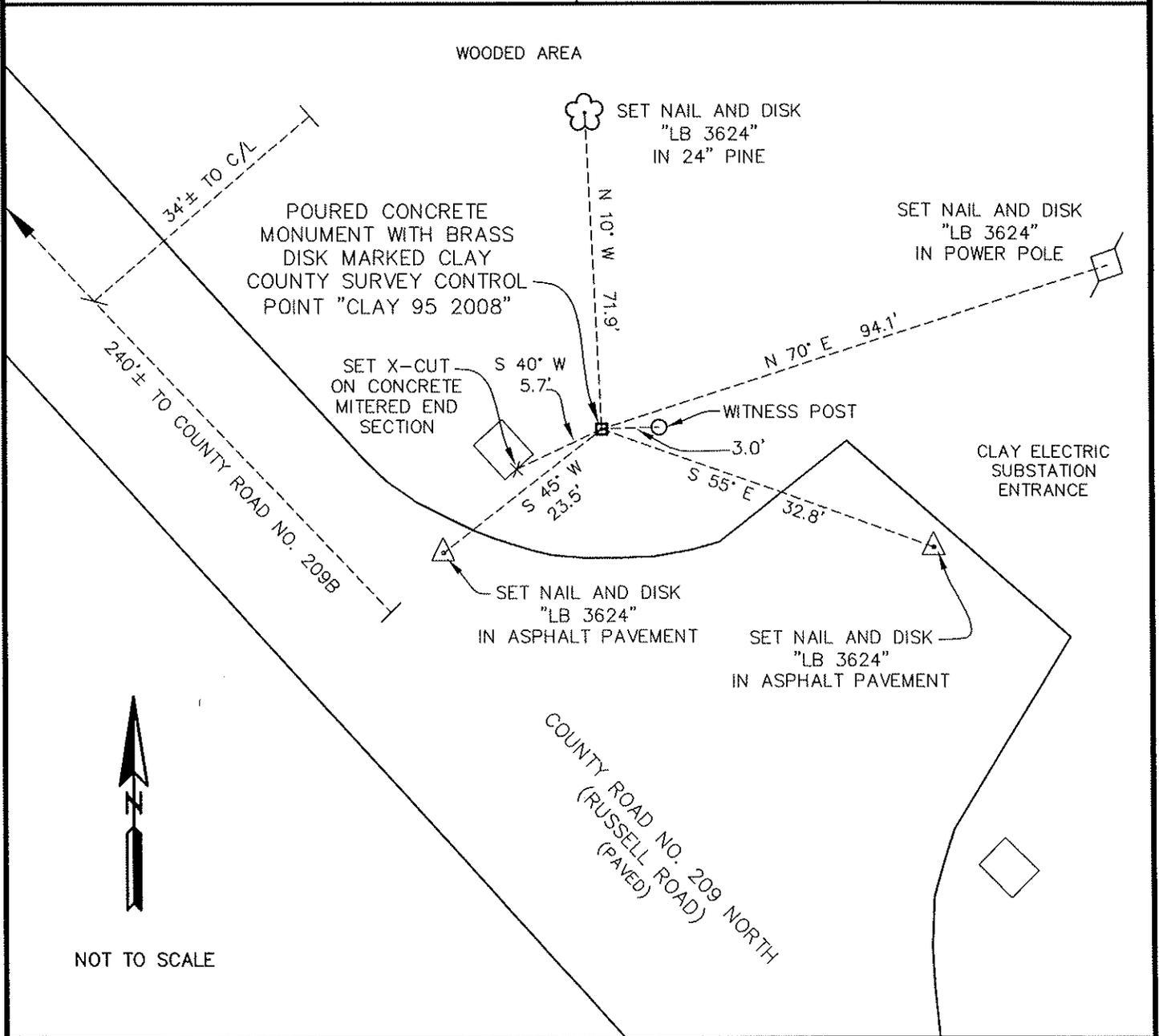
- 1) SET X-CUT IN CONCRETE MITERED END SECTION, SOUTH 40° WEST AT 5.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 70° EAST AT 94.1 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 55° EAST AT 32.8 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN 24" PINE TREE, NORTH 10° WEST AT 71.9 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 45° WEST AT 23.5 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 95
DESC. BY: D. SCHENCK	STAMPING: CLAY 95 2008	YEAR SET: 2008
SEC: 46 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-30



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2080557.24 FEET
EASTING: 419334.78 FEET
LATITUDE: 30° 03' 16.53141" N
LONGITUDE: 81° 44' 54.94719" W
CONVERGENCE: -0° 22' 29.75516"
SCALE FACTOR: 1.000005443
NEAREST INTERVISIBLE STATION: CLAY 96



CLAY 96

THE STATION IS LOCATED APPROXIMATELY 7 MILES EAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 6 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

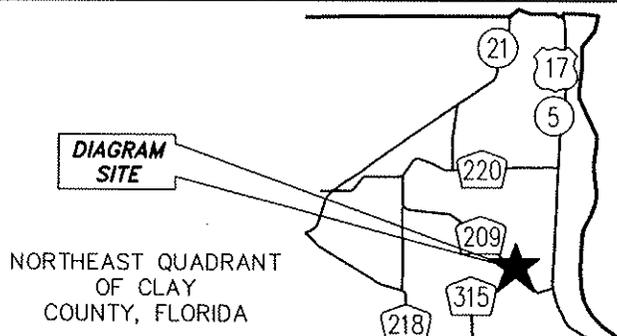
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION U.S. HIGHWAY NO. 17 AND STATE ROAD NO. 16 WEST IN CLAY COUNTY, FLORIDA. PROCEED NORTHWESTERLY 3.4 MILES ON U.S. HIGHWAY NO. 17 TO COUNTY ROAD NO. 209 NORTH (RUSSELL ROAD). THENCE PROCEED WESTERLY AND NORTHWESTERLY 2.9 MILES ON COUNTY ROAD NO. 209 NORTH (RUSSELL ROAD) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 17± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 209 NORTH (RUSSELL ROAD) AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

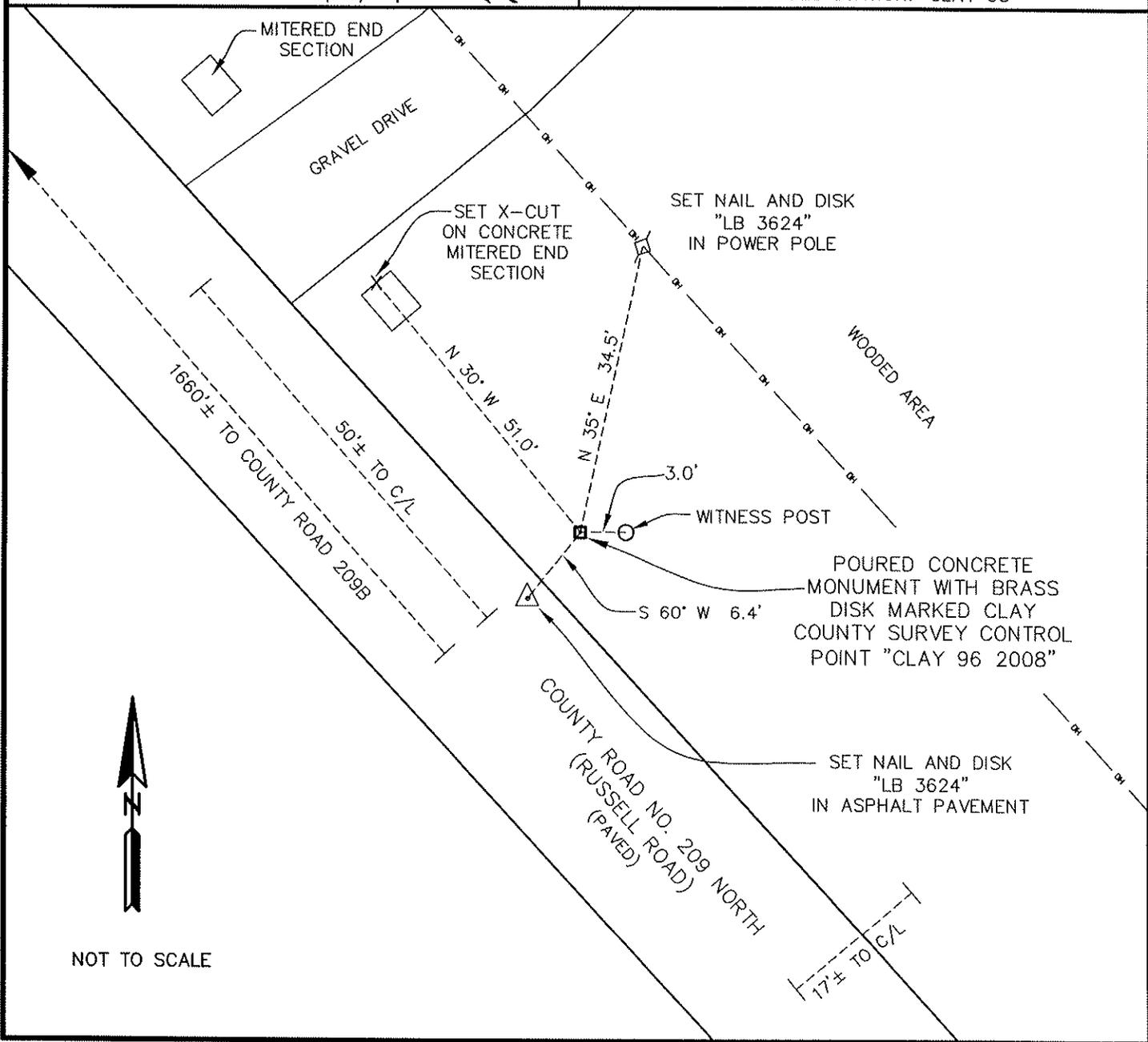
- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 35° EAST AT 34.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 60° WEST AT 6.4 FEET.
- 3) SET X-CUT ON CONCRETE MITERED END SECTION, NORTH 30° WEST AT 51.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 96
DESC. BY: D. SCHENCK	STAMPING: CLAY 96 2008	YEAR SET: 2008
SEC: 46 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-31



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2079491.88 FEET
EASTING: 420281.75 FEET
LATITUDE: 30° 03' 06.04742" N
LONGITUDE: 81° 44' 44.09316" W
CONVERGENCE: -0° 22' 24.20040"
SCALE FACTOR: 1.00000493
NEAREST INTERVISIBLE STATION: CLAY 95



NOT TO SCALE

CLAY 97

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 3 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

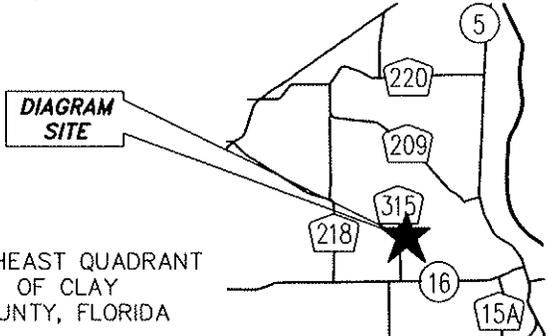
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 315 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 2.2 MILES ON COUNTY ROAD NO. 315 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 30± FEET NORTHERLY OF THE CENTERLINE OF ELZIE CIRCLE, 23± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 315 AND 3.0± FEET EASTERLY OF A WITNESS POST.

REFERENCES

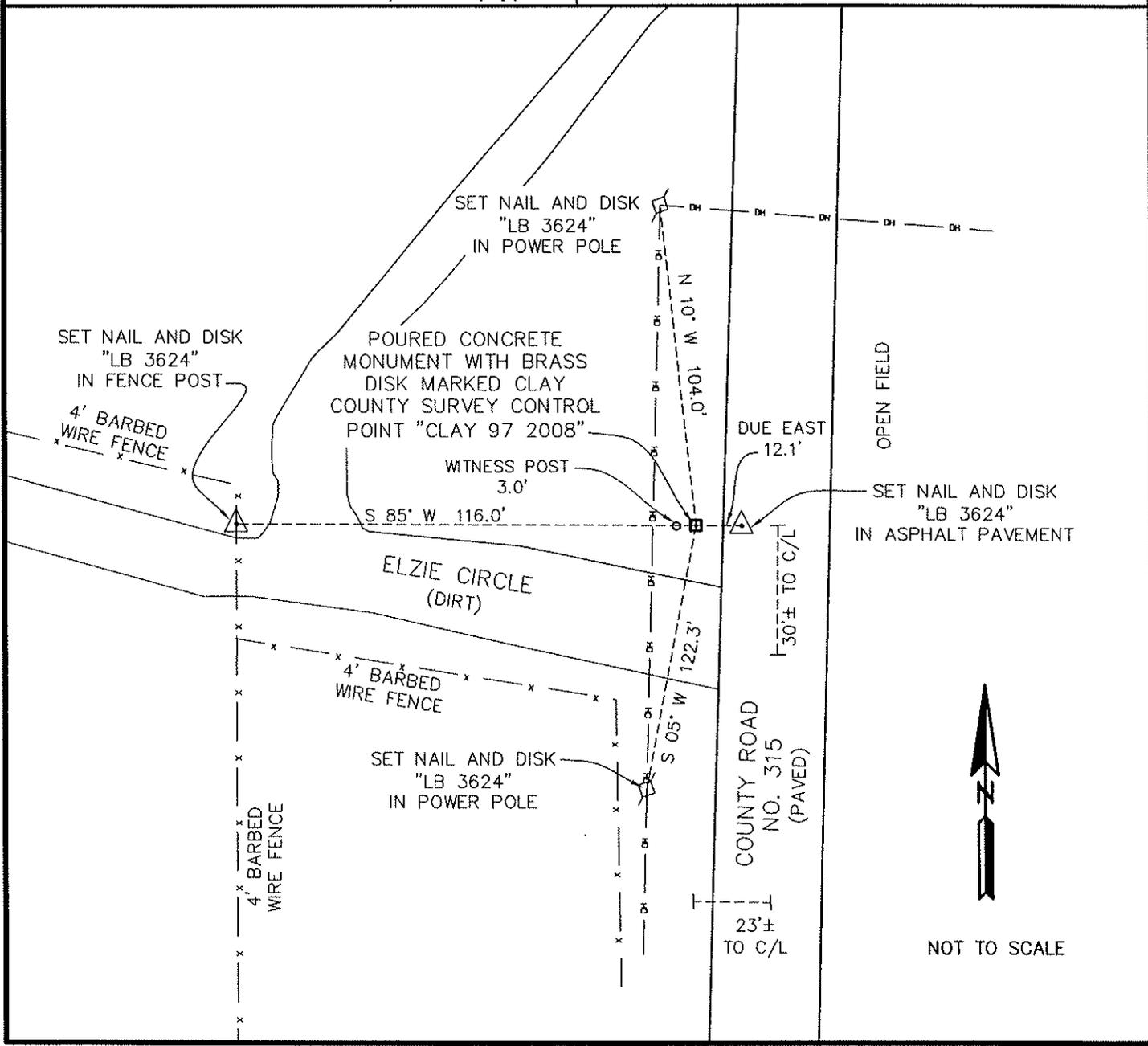
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 12.1 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 10° WEST AT 104.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 05° WEST AT 122.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 85° WEST AT 116.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 97
DESC. BY: D. SCHENCK	STAMPING: CLAY 97 2008	YEAR SET: 2008
SEC: 31 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-32



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2066469.73 FEET
EASTING: 424625.16 FEET
LATITUDE: 30° 00' 57.42784" N
LONGITUDE: 81° 43' 53.72671" W
CONVERGENCE: -0° 21' 57.55284"
SCALE FACTOR: 1.000002604
NEAREST INTERVISIBLE STATION: CLAY 98



CLAY 98

THE STATION IS LOCATED APPROXIMATELY 9 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 3 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

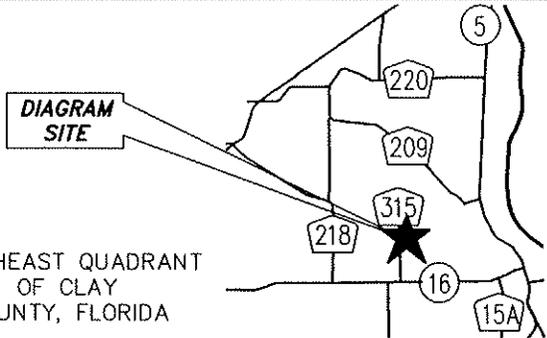
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 315 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 2.0 MILES ON COUNTY ROAD NO. 315 TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 24± FEET NORTHERLY OF SHEDD ROAD, 22± FEET WESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 315 AND 3.0±FEET EASTERLY OF A WITNESS POST.

REFERENCES

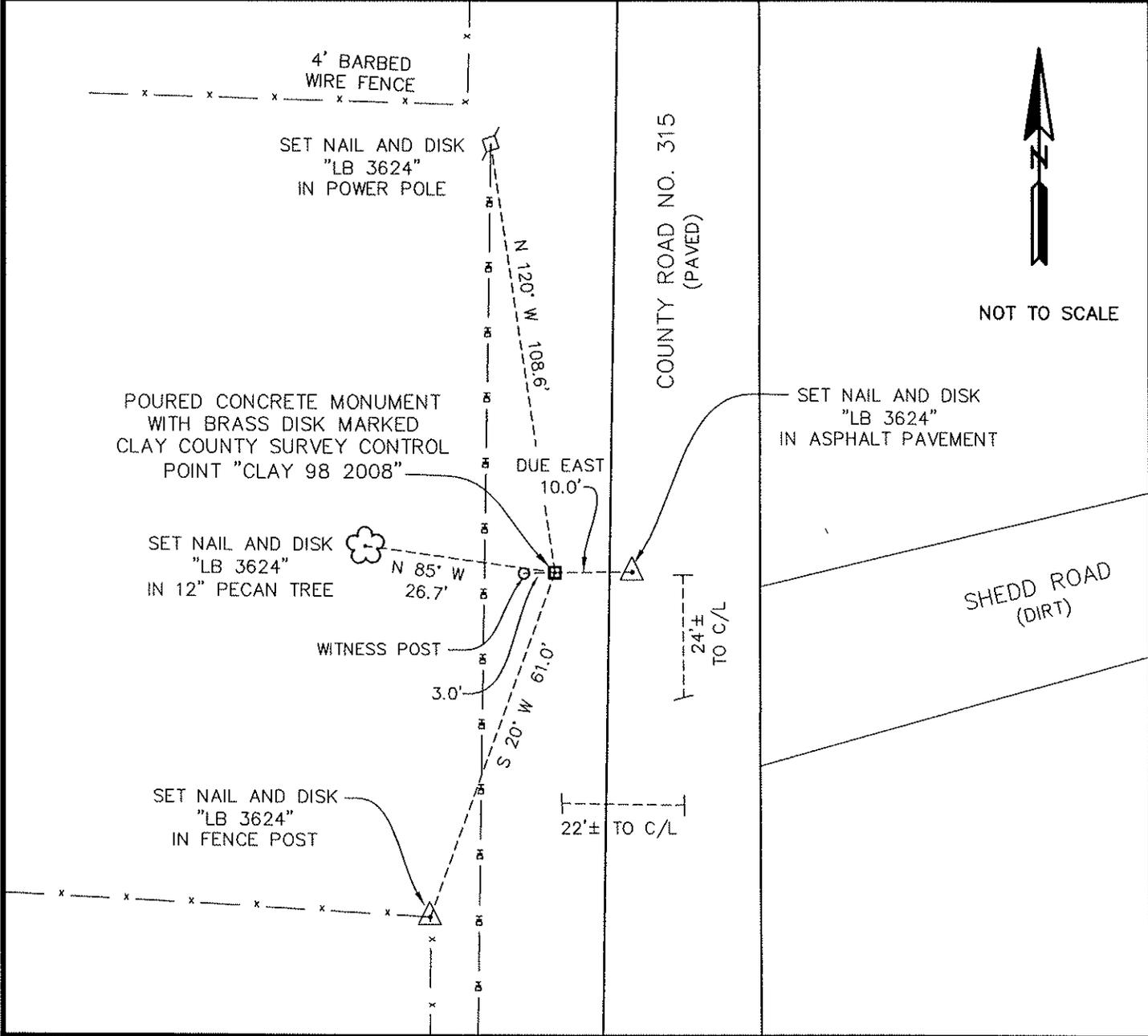
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 10.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 20° WEST AT 61.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN 12" PECAN TREE, NORTH 85° WEST AT 26.7 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 10° WEST AT 108.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: CLAY 98
DESC. BY: D. SCHENCK	STAMPING: CLAY 98 2008	YEAR SET: 2008
SEC: 31 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-33



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2065360.27 FEET
EASTING: 424594.45 FEET
LATITUDE: 30° 00' 46.44414" N
LONGITUDE: 81° 43' 53.99541" W
CONVERGENCE: -0° 21' 57.56582"
SCALE FACTOR: 1.00000262
NEAREST INTERVISIBLE STATION: CLAY 97



CLAY 101

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 8 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

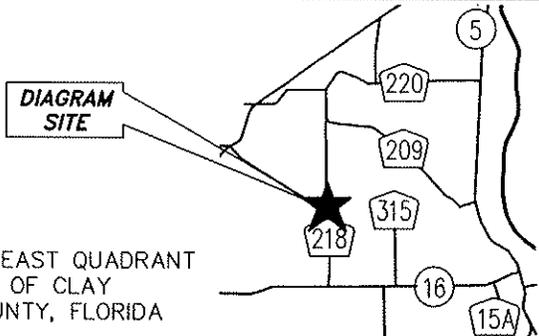
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 3.4 MILES ON COUNTY ROAD NO. 218 TO COUNTY ROAD NO. 739 (HENLEY ROAD) AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS NEAR THE PROJECTED CENTERLINE OF COUNTY ROAD 739 (HENLEY ROAD), 38± FEET SOUTHWESTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 218 AND 14.0± FEET NORTHERLY OF A WITNESS POST.

REFERENCES

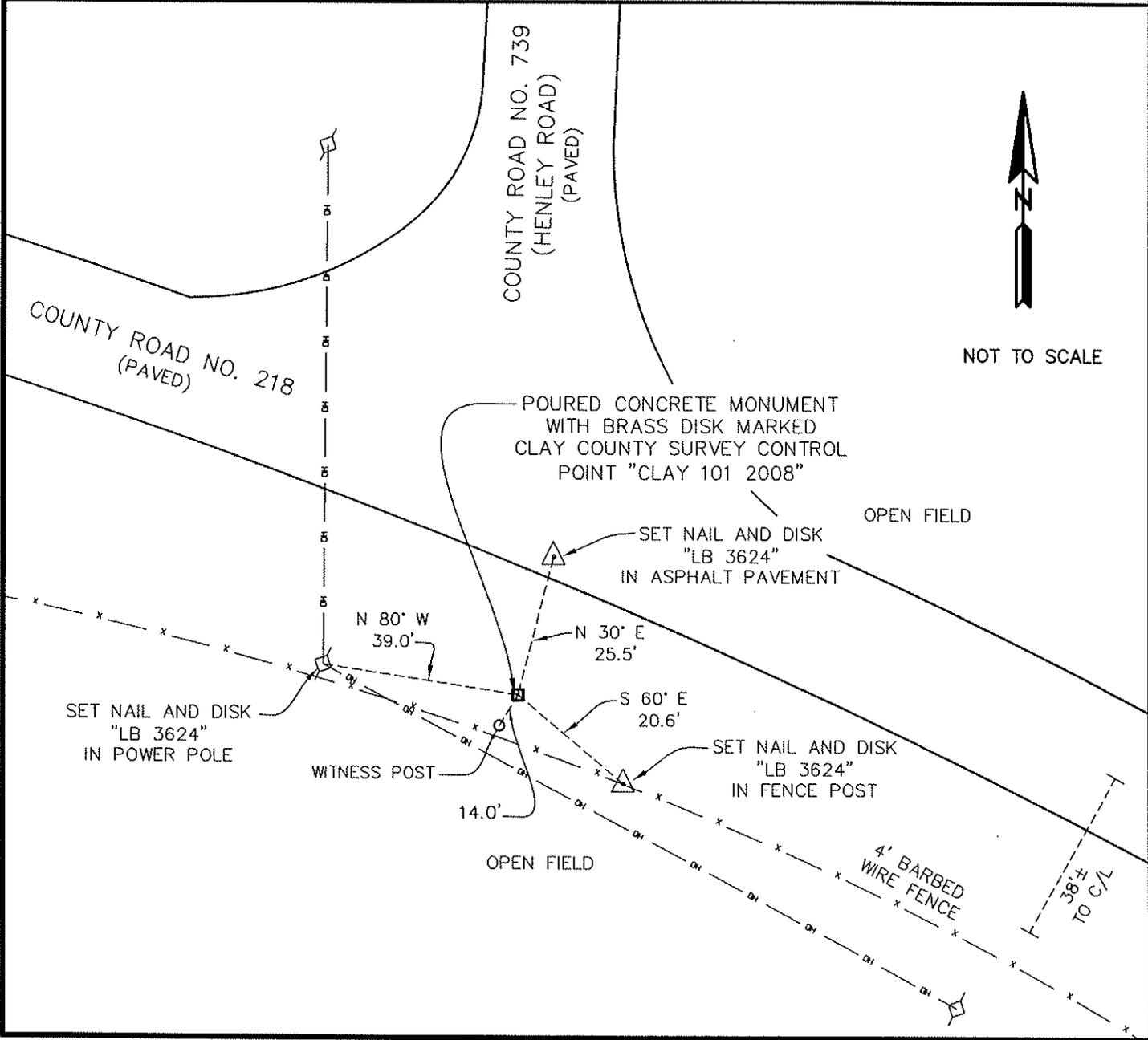
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 30° EAST AT 25.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN FENCE POST, SOUTH 60° EAST AT 20.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 80° WEST AT 39.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 101
DESC. BY: D. SCHENCK	STAMPING: CLAY 101 2008	YEAR SET: 2008
SEC: 28 TWP: 5S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-36



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2071751.39 FEET
EASTING: 399896.08 FEET
LATITUDE: 30° 01' 48.05936" N
LONGITUDE: 81° 39' 50.80373" W
CONVERGENCE: -0° 24' 19.10461"
SCALE FACTOR: 1.000016426
NEAREST INTERVISIBLE STATION: CLAY 102



CLAY 102

THE STATION IS LOCATED APPROXIMATELY 4 MILES SOUTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 8 MILES NORTHWEST OF GREEN COVE SPRINGS, FLORIDA.

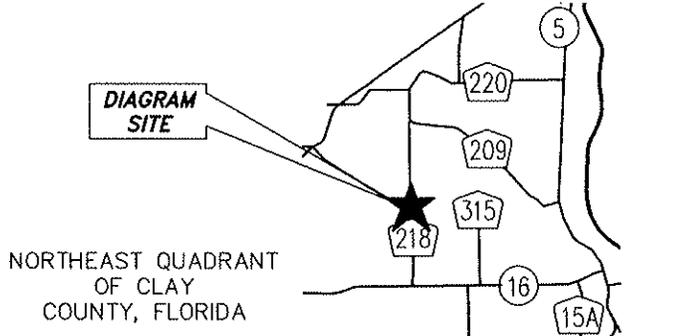
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST AND COUNTY ROAD NO. 218 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 3.4 MILES ON COUNTY ROAD NO. 218 TO COUNTY ROAD NO. 739 (HENLEY ROAD). THENCE PROCEED NORTHERLY 0.3 MILES ON COUNTY ROAD NO. 739 (HENLEY ROAD) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 105± FEET SOUTHERLY OF THE CENTERLINE OF ARAVA DRIVE, 31± FEET EASTERLY OF THE CENTERLINE OF COUNTY ROAD NO. 739 (HENLEY ROAD) AND 25.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

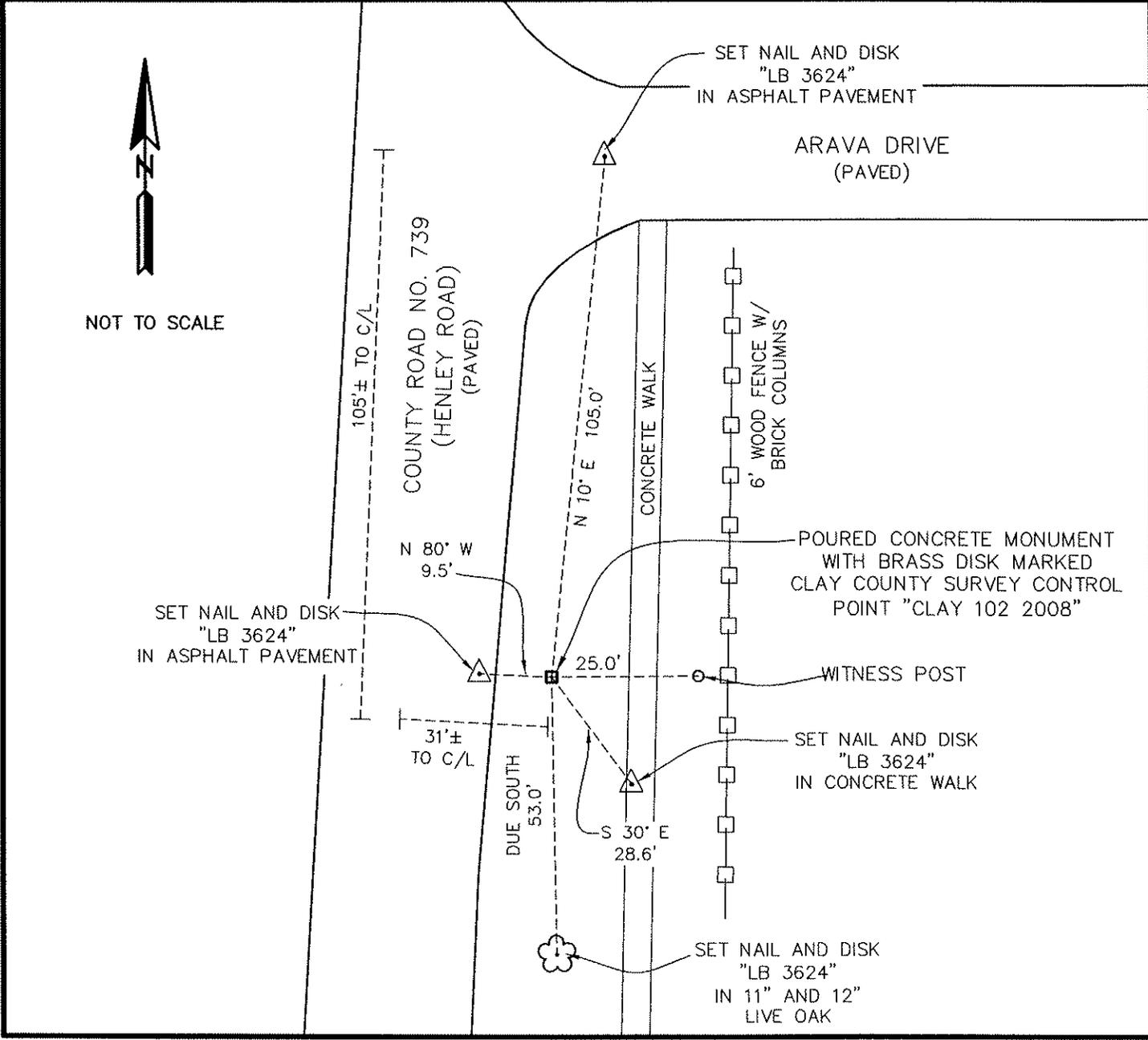
- 1) SET NAIL AND DISK (LB 3624) IN 11" AND 12" LIVE OAK, DUE SOUTH AT 53.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 30° EAST AT 28.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 80° WEST AT 9.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 10° EAST AT 105.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 102
DESC. BY: D. SCHENCK	STAMPING: CLAY 102 2008	YEAR SET: 2008
SEC: 28 TWP: 5S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-37



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2073294.88 FEET
EASTING: 400014.61 FEET
LATITUDE: 30° 02' 03.34532" N
LONGITUDE: 81° 48' 34.19216" W
CONVERGENCE: -0° 24' 18.67887"
SCALE FACTOR: 1.000016356
NEAREST INTERVISIBLE STATION: CLAY 101



CLAY 119

THE STATION IS LOCATED APPROXIMATELY 11 MILES SOUTHEAST OF BALDWIN, FLORIDA AND APPROXIMATELY 9 MILES NORTH OF MIDDLEBURG, FLORIDA.

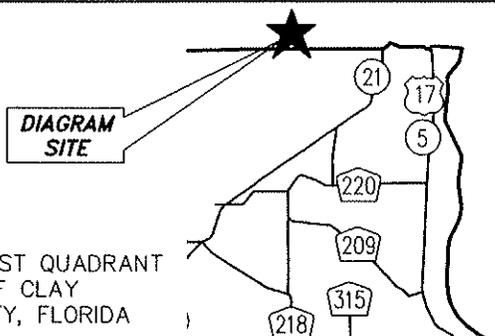
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 6.6 MILES ON STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) TO THE STATION ON THE RIGHT IN DUVAL COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 26± FEET EASTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF STATE ROAD NO. 23 (BRANAN FIELD ROAD) AND 4.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

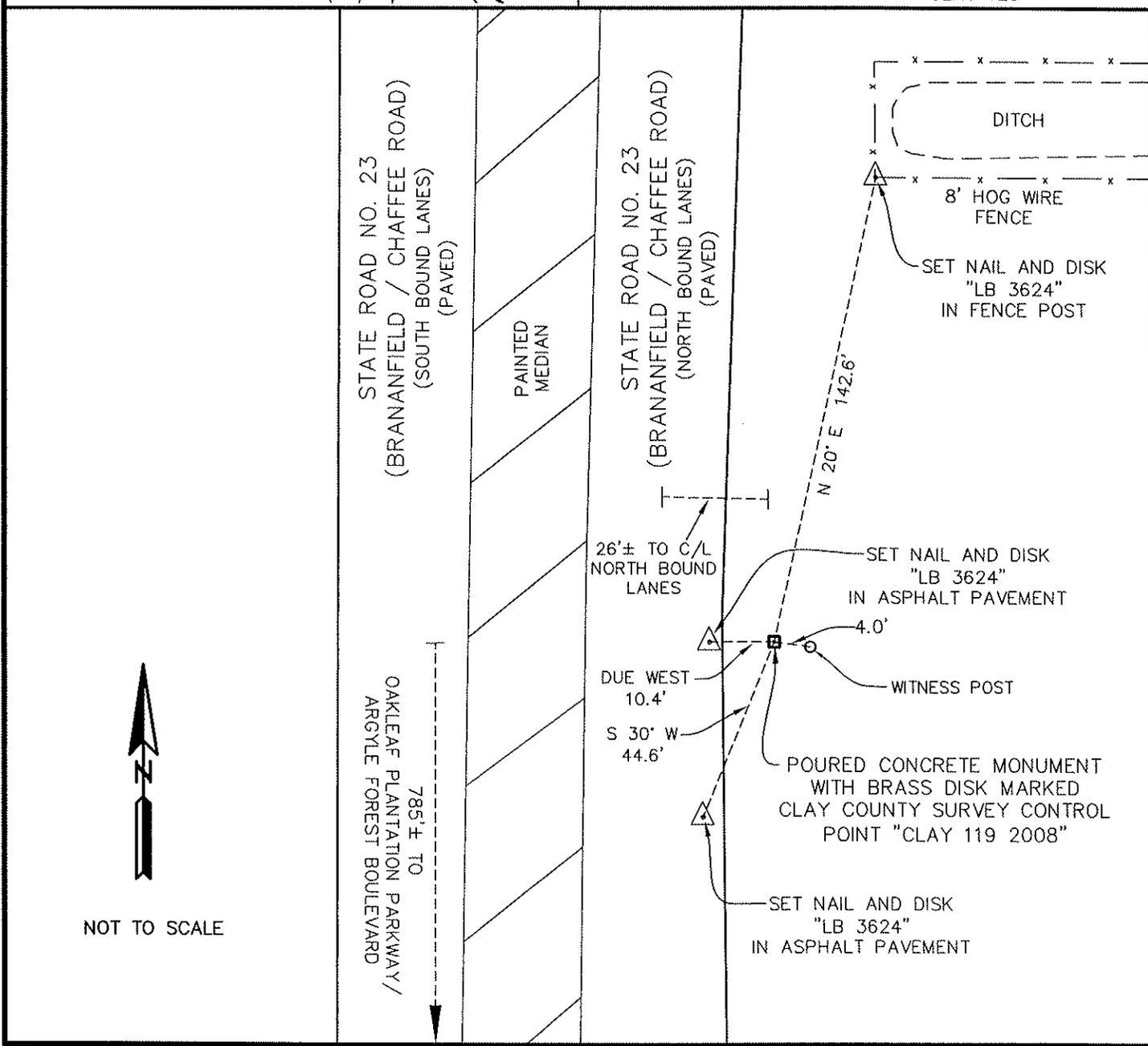
- 1) SET NAIL AND DISK (LB 3624) IN FENCE POST, NORTH 20° EAST AT 142.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 30° WEST AT 44.6 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 10.4 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: DUVAL	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 119
DESC. BY: D. SCHENCK	STAMPING: CLAY 119 2008	YEAR SET: 2008
SEC: 31 TWP: 3S RGE: 25E	USGS QUAD NAME: JACKSONVILLE HEIGHTS	F.B.-PG: X1463-53



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2132872.14 FEET
EASTING: 391623.72 FEET
LATITUDE: 30° 11' 52.44008" N
LONGITUDE: 81° 50' 14.61571" W
CONVERGENCE: -0° 25' 16.39822"
SCALE FACTOR: 1.000021359
NEAREST INTERVISIBLE STATION: CLAY 120



CLAY 120

THE STATION IS LOCATED APPROXIMATELY 11 MILES SOUTHEAST OF BALDWIN, FLORIDA AND APPROXIMATELY 9 MILES NORTH OF MIDDLEBURG, FLORIDA.

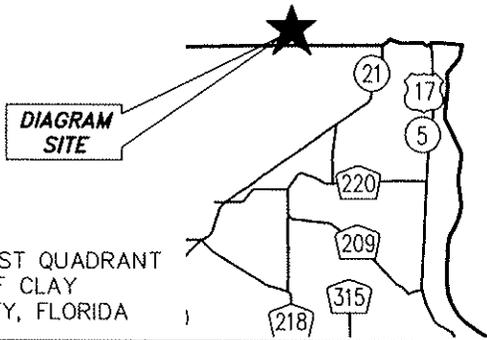
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 6.4 MILES ON STATE ROAD NO. 23 (BRANANFIELD / CHAFFEE ROAD) TO OAKLEAF PLANTATION PARKWAY AND THE STATION ON THE LEFT IN DUVAL COUNTY, FLORIDA. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 30± FEET NORTHERLY OF THE CENTERLINE OF THE WEST BOUND LANES OF OAKLEAF PLANTATION PARKWAY, 70± FEET WESTERLY OF THE CENTERLINE OF THE SOUTH BOUND LANES OF STATE ROAD NO. 23 (BRANAN FIELD ROAD) AND 3.0± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

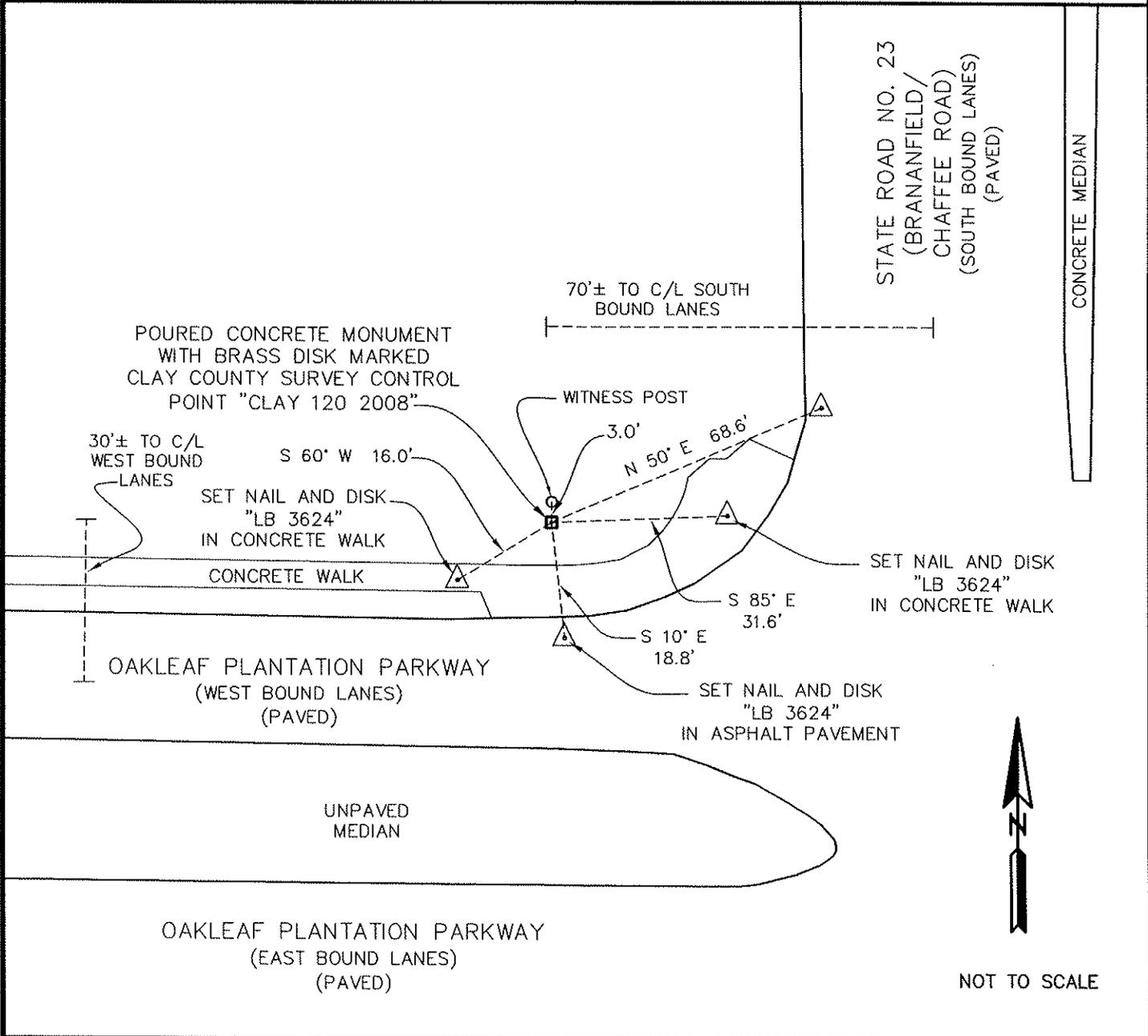
- 4) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 85° EAST AT 31.6 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 10° EAST AT 18.8 FEET.
- 6) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 60° WEST AT 16.0 FEET.
- 7) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 50° EAST AT 68.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: DUVAL	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 120
DESC. BY: D. SCHENCK	STAMPING: CLAY 120 2008	YEAR SET: 2008
SEC: 31 TWP: 3S RGE: 25E	USGS QUAD NAME: JACKSONVILLE HEIGHTS	F.B.-PG: X1463-54



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2132150.02 FEET
EASTING: 391469.54 FEET
LATITUDE: 30° 11' 45.28139" N
LONGITUDE: 81° 50' 16.31204" W
CONVERGENCE: -0° 25' 17.16111"
SCALE FACTOR: 1.000021453
NEAREST INTERVISIBLE STATION: CLAY 119



CLAY 123

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 10 MILES EAST OF MIDDLEBURG, FLORIDA.

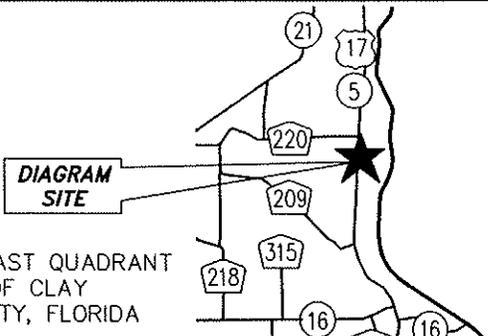
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST (FERRIS STREET) AND U.S. HIGHWAY NO. 17 (NORTH ORANGE AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 6.4 MILES ON U.S. HIGHWAY NO. 17 (NORTH ORANGE AVENUE) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 37± FEET EASTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF U.S. HIGHWAY NO. 17 AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

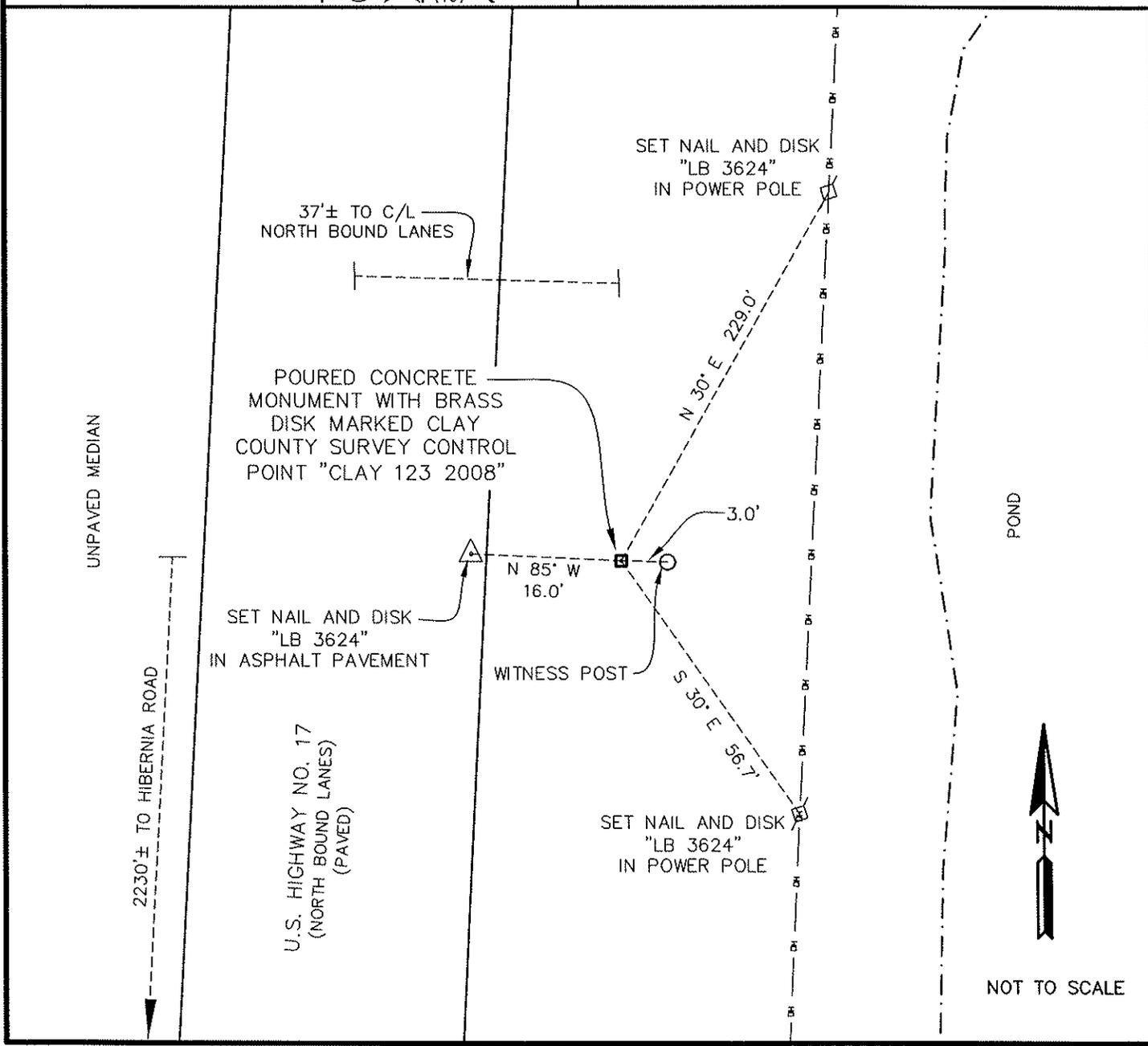
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 85° WEST AT 16.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 30° EAST AT 229.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 30° EAST AT 56.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 123
DESC. BY: D. SCHENCK	STAMPING: CLAY 123 2008	YEAR SET: 2008
SEC: 9 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-57



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2087989.32 FEET
EASTING: 432609.44 FEET
LATITUDE: 30° 04' 30.93228" N
LONGITUDE: 81° 42' 24.42523" W
CONVERGENCE: -0° 21' 15.15507"
SCALE FACTOR: 0.99999844
NEAREST INTERVISIBLE STATION: CLAY 124



CLAY 124

THE STATION IS LOCATED APPROXIMATELY 6 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 10 MILES EAST OF MIDDLEBURG, FLORIDA.

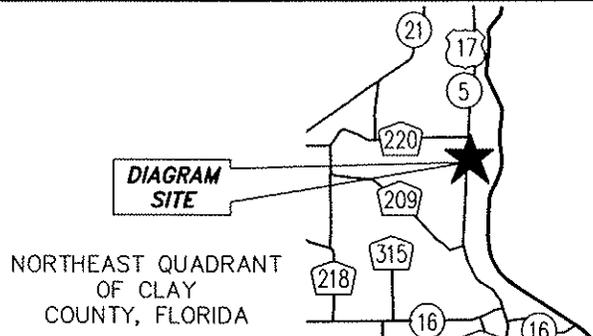
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 16 WEST (FERRIS STREET) AND U.S. HIGHWAY NO. 17 (NORTH ORANGE AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 6.7 MILES ON U.S. HIGHWAY NO. 17 (NORTH ORANGE AVENUE) TO WATER OAK LANE AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 80± FEET EASTERLY OF THE CENTERLINE U.S. HIGHWAY NO. 17, 45± FEET SOUTHERLY OF THE CENTERLINE OF WATER OAK LANE AND 3.0± FEET NORTHWESTERLY OF A WITNESS POST.

REFERENCES

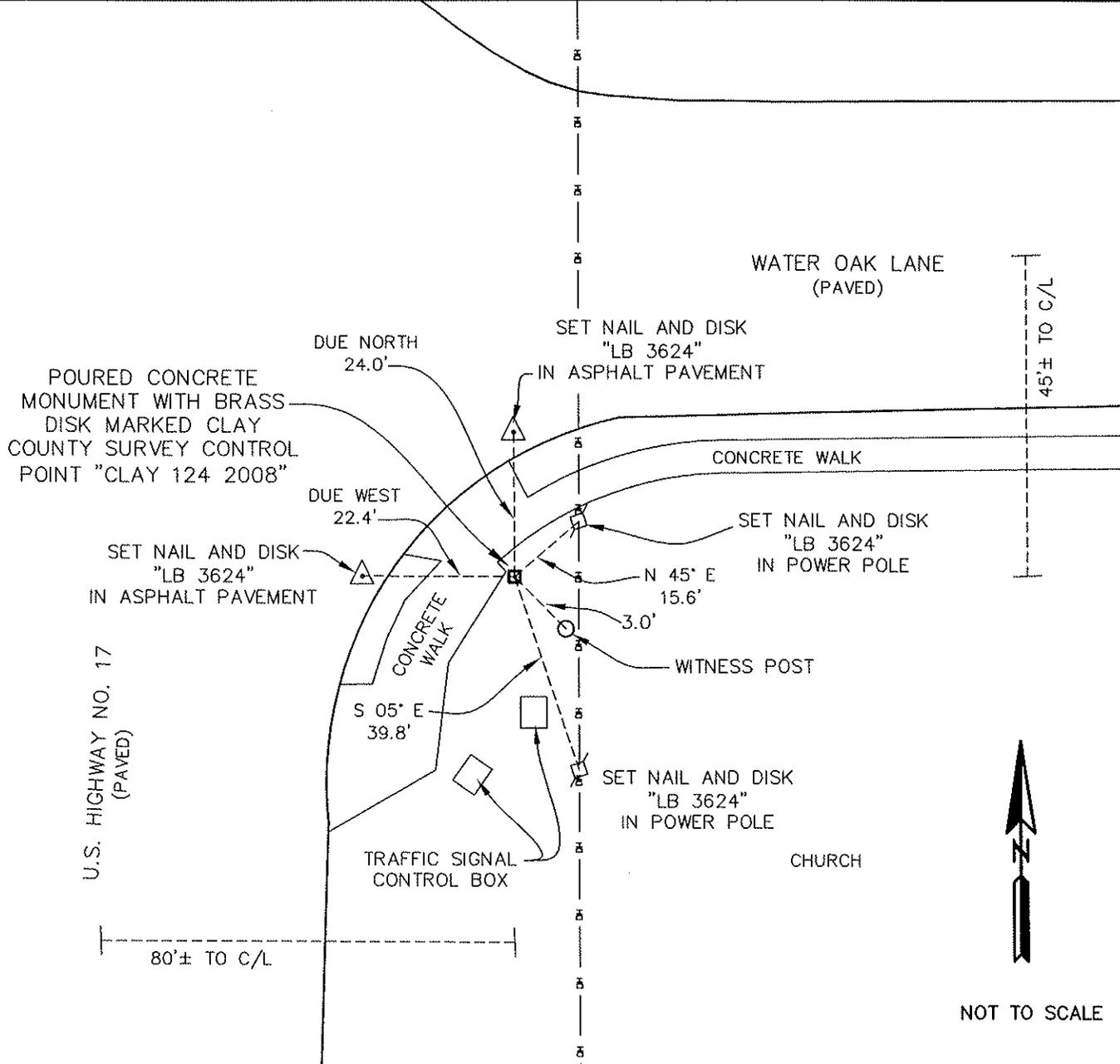
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 22.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE NORTH AT 24.0 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, NORTH 45° EAST AT 15.6 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 05° EAST AT 39.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 124
DESC. BY: D. SCHENCK	STAMPING: CLAY 124 2008	YEAR SET: 2008
SEC: 9 TWP: 5S RGE: 26E	USGS QUAD NAME: FLEMING ISLAND	F.B.-PG: X1463-58



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2089577.15 FEET
EASTING: 432707.31 FEET
LATITUDE: 30° 04' 46.65503" N
LONGITUDE: 81° 42' 23.42313" W
CONVERGENCE: -0° 21' 14.82059"
SCALE FACTOR: 0.99999839
NEAREST INTERVISIBLE STATION: CLAY 123



CLAY 125

THE STATION IS LOCATED APPROXIMATELY 2 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 4 MILES WEST OF FRUIT COVE, FLORIDA.

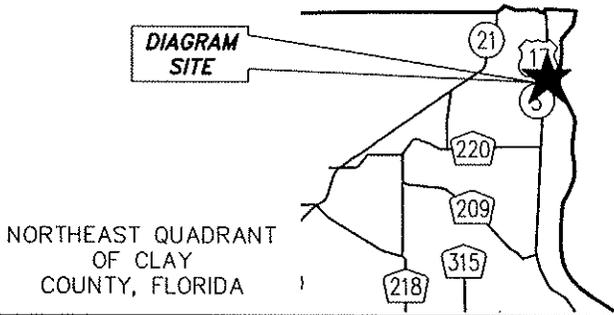
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF COUNTY ROAD NO. 220 AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 2.1 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 35± FEET EASTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF U.S. HIGHWAY NO. 17 AND 3.0± FEET WEST OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° WEST AT 14.6 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 15° EAST AT 109.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE #697369D50, SOUTH 40° EAST AT 34.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 125
DESC. BY: D. SCHENCK	STAMPING: CLAY 125 2008	YEAR SET: 2008
SEC: 44 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-59



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2108730.46 FEET
EASTING: 434044.10 FEET
LATITUDE: 30° 07' 56.32100" N
LONGITUDE: 81° 42' 09.54965" W
CONVERGENCE: -0° 21' 09.87860"
SCALE FACTOR: 0.999997707
NEAREST INTERVISIBLE STATION: CLAY 126

NOT TO SCALE

CONCRETE MEDIAN

1900'± TO C/L WESTOVER ROAD

U.S. HIGHWAY NO. 17
(NORTH BOUND LANES)
(PAVED)

ASPHALT DRIVE

S 80° W
14.6'

SET NAIL AND DISK
"LB 3624"
IN ASPHALT PAVEMENT

N 15° E 109.5'

SET NAIL AND DISK
"LB 3624"
IN ASPHALT PAVEMENT

POURED CONCRETE
MONUMENT WITH BRASS
DISK MARKED CLAY
COUNTY SURVEY CONTROL
POINT "CLAY 125 2008"

3.0'

WITNESS POST

35'± TO
C/L NORTH
BOUND LANES

S 40° E 34.0'

SET NAIL AND DISK
"LB 3624"
IN POWER POLE
#697369D50

CLAY 126

THE STATION IS LOCATED APPROXIMATELY 2 MILES SOUTH OF ORANGE PARK, FLORIDA AND APPROXIMATELY 4 MILES WEST OF FRUIT COVE, FLORIDA.

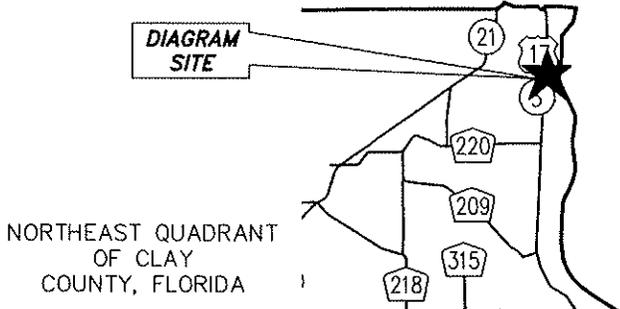
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF COUNTY ROAD NO. 220 AND U.S. HIGHWAY NO. 17 IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 2.3 MILES ON U.S. HIGHWAY NO. 17 TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 55± FEET EASTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF U.S. HIGHWAY NO. 17 AND 3.0± FEET WESTERLY OF A WITNESS POST.

REFERENCES

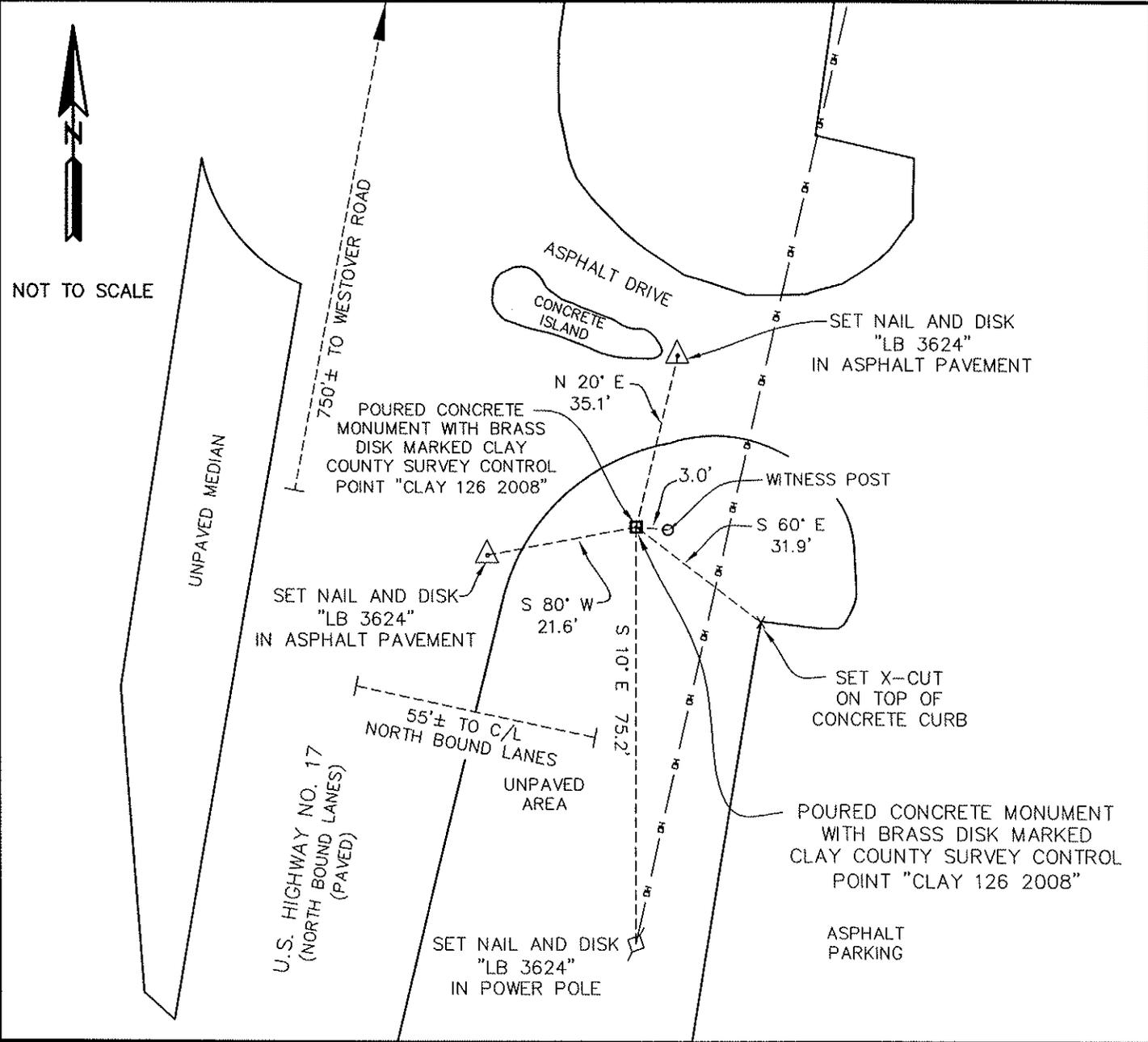
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 20° EAST AT 35.1 FEET.
- 2) SET X-CUT, IN TOP OF CONCRETE CURB, SOUTH 60° EAST AT 31.9 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN POWER POLE, SOUTH 10° EAST AT 75.2 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° WEST AT 21.6 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 126
DESC. BY: D. SCHENCK	STAMPING: CLAY 126 2008	YEAR SET: 2008
SEC: 44 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-60



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2109862.37 FEET
EASTING: 434242.46 FEET
LATITUDE: 30° 08' 07.53699" N
LONGITUDE: 81° 42' 07.37022" W
CONVERGENCE: -0° 21' 08.90326"
SCALE FACTOR: 0.999997606
NEAREST INTERVISIBLE STATION: CLAY 125



CLAY 127

THE STATION IS LOCATED APPROXIMATELY 11 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 6 MILES NORTHWEST OF FRUIT COVE, FLORIDA.

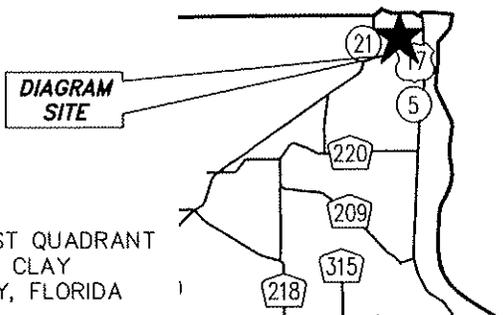
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 (PARK AVENUE) AND STATE ROAD NO. 224 (KINGSLEY AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1 MILE ON STATE ROAD NO. 224 (KINGSLEY AVENUE) TO AZALEA LANE AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN A 5 FOOT CONCRETE SIDEWALK. THIS STATION IS 47± FEET SOUTHERLY OF THE CENTERLINE OF STATE ROAD NO. 224 (KINGSLEY AVENUE) 42± FEET WESTERLY OF THE CENTERLINE OF AZALEA LANE AND 5.0± FEET NORTH OF A WITNESS POST.

REFERENCES

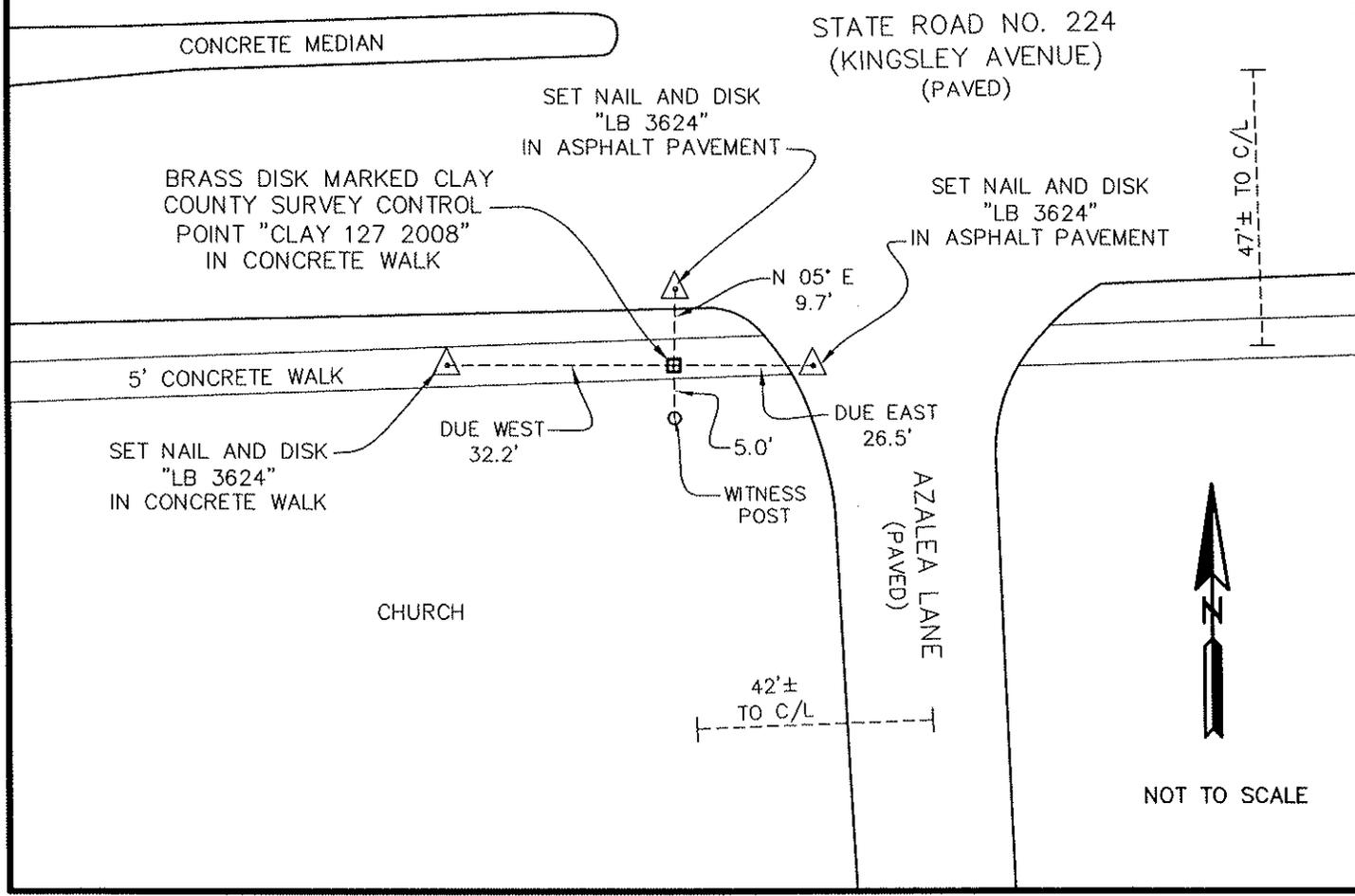
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 05° EAST AT 9.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 26.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, DUE WEST AT 32.2 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 127
DESC. BY: D. SCHENCK	STAMPING: CLAY 127 2008	YEAR SET: 2008
SEC: 41 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-61



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2120744.52 FEET
EASTING: 429457.75 FEET
LATITUDE: 30° 09' 54.95579" N
LONGITUDE: 81° 43' 02.63641" W
CONVERGENCE: -0° 21' 37.81568"
SCALE FACTOR: 1.000000065
NEAREST INTERVISIBLE STATION: CLAY 128



CLAY 128

THE STATION IS LOCATED APPROXIMATELY 11 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 6 MILES NORTHWEST OF FRUIT COVE, FLORIDA.

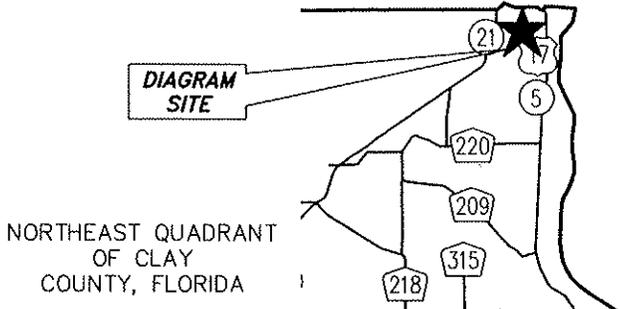
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 (PARK AVENUE) AND STATE ROAD NO. 224 (KINGSLEY AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED WESTERLY 1.2 MILES ON STATE ROAD NO. 224 (KINGSLEY AVENUE) TO DEBARRY AVENUE AND THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN A 5 FOOT CONCRETE SIDEWALK. THIS STATION IS 46± FEET NORTHERLY OF THE CENTERLINE OF STATE ROAD NO. 224 (KINGSLEY AVENUE) AND 60± FEET EASTERLY OF THE CENTERLINE DEBARRY AVENUE.

REFERENCES

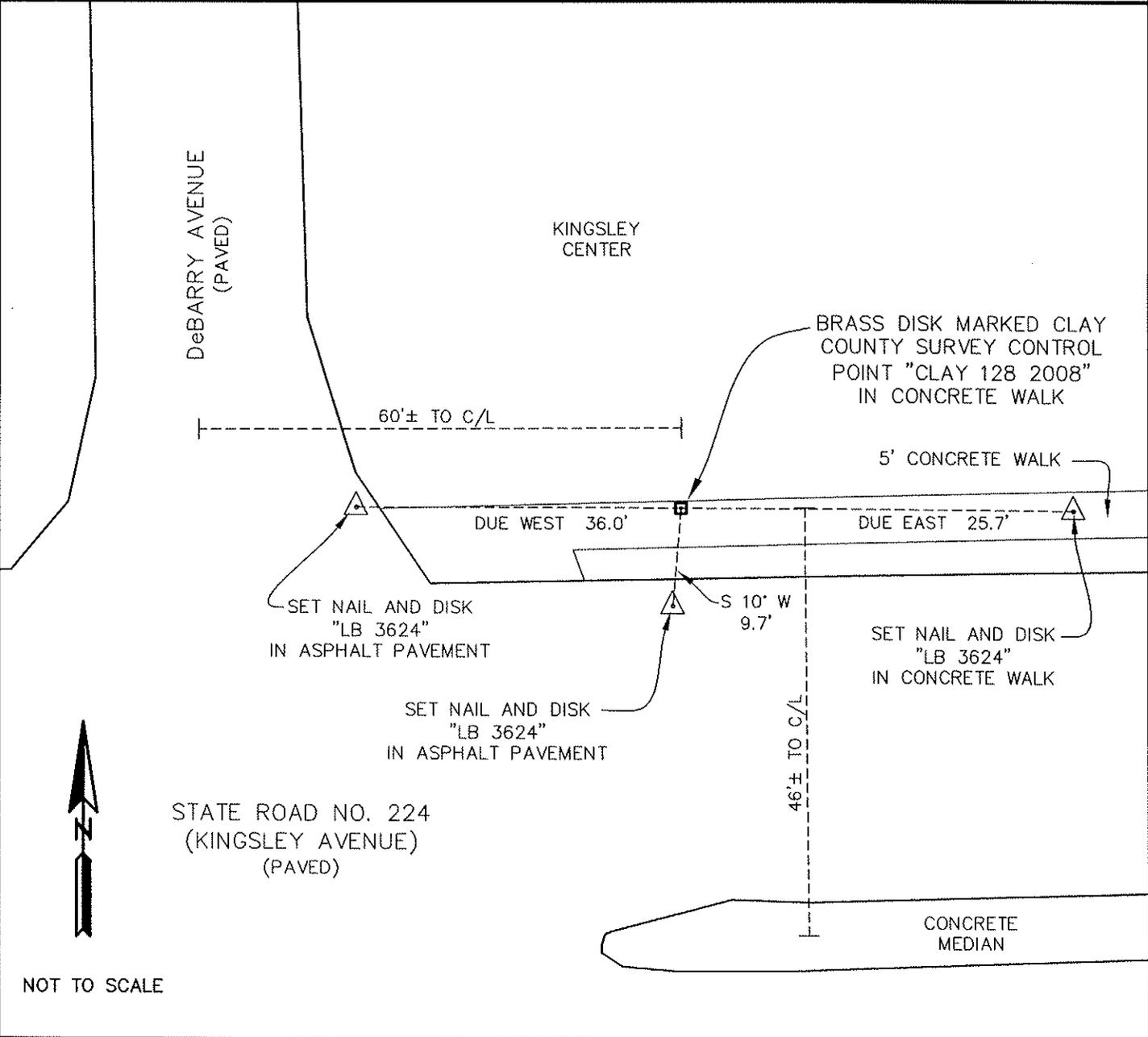
- 1) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, DUE EAST AT 25.7 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 10° WEST AT 9.7 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 36.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 128
DESC. BY: D. SCHENCK	STAMPING: CLAY 128 2008	YEAR SET: 2008
SEC: 41 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-62



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2120813.93 FEET
EASTING: 428431.52 FEET
LATITUDE: 30° 09' 55.57870" N
LONGITUDE: 81° 43' 14.33132" W
CONVERGENCE: -0° 21' 43.69980"
SCALE FACTOR: 1.000000599
NEAREST INTERVISIBLE STATION: CLAY 127



CLAY 129

THE STATION IS LOCATED APPROXIMATELY 13 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 2 MILES NORTH OF ORANGE PARK, FLORIDA.

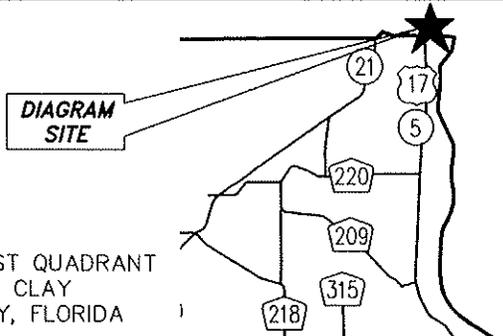
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 (ROOSEVELT BOULEVARD) AND STATE ROAD NO. 134 (TIMUQUANA ROAD) IN DUVAL COUNTY, FLORIDA. PROCEED SOUTHERLY 3.6 MILES ON U.S. HIGHWAY NO. 17 (ROOSEVELT BOULEVARD) TO COLLINS ROAD. THENCE PROCEED EASTERLY 0.2 MILES ON COLLINS ROAD TO BARCELONA AVENUE AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 20± FEET NORTHERLY OF THE CENTERLINE OF COLLINS ROAD, 12± FEET EASTERLY OF THE PROJECTED CENTERLINE OF BARCELONA AVENUE AND 17.5± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

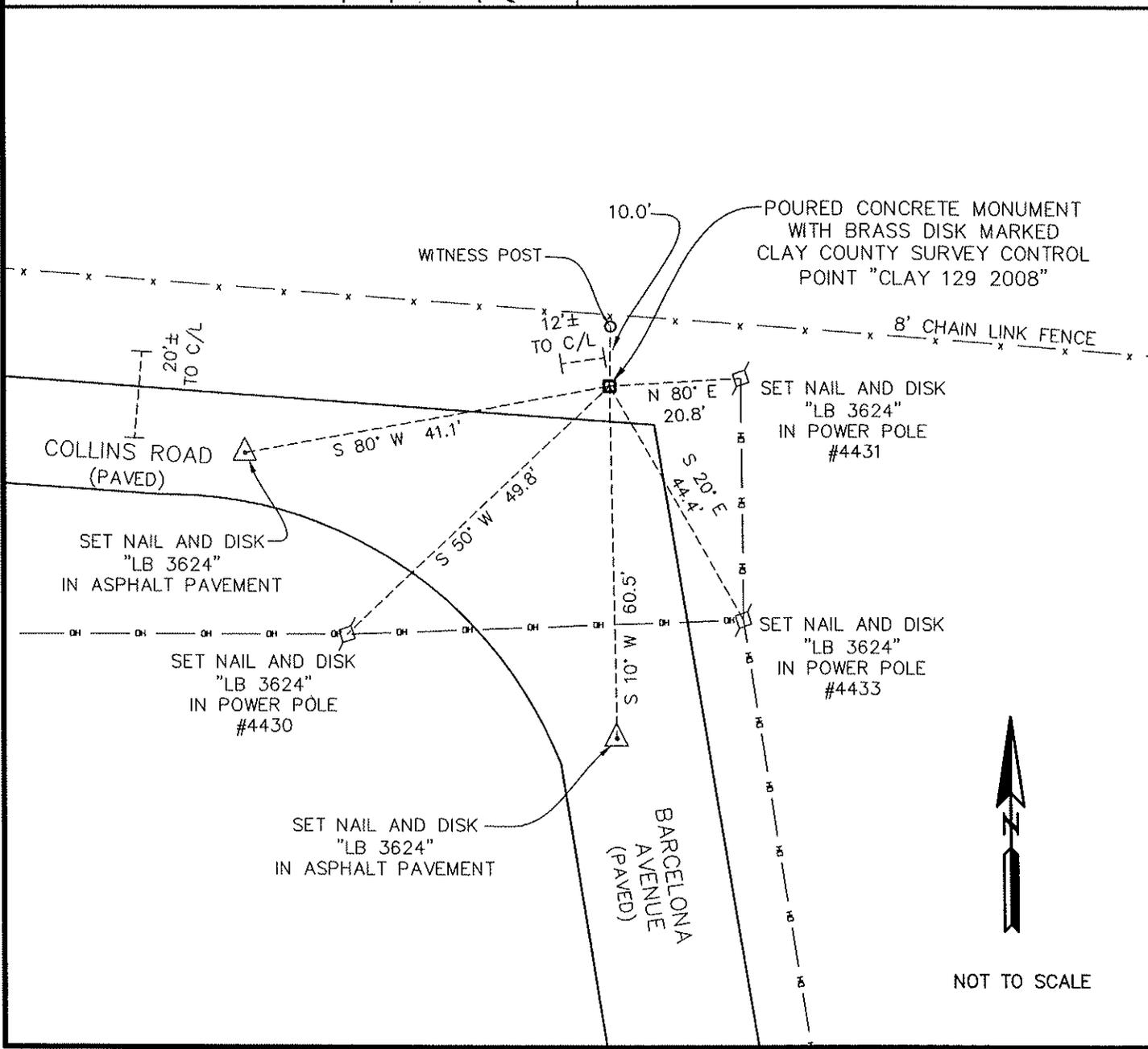
- 1) SET NAIL AND DISK (LB 3624) IN POWER POLE #4431, NORTH 80° EAST AT 20.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN POWER POLE #4433, SOUTH 20° EAST AT 44.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 10° WEST AT 60.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN POWER POLE #4430, SOUTH 50° WEST AT 49.8 FEET.
- 5) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° WEST AT 41.1 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: DUVAL	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 129
DESC. BY: D. SCHENCK	STAMPING: CLAY 129 2008	YEAR SET: 2008
SEC: 40 TWP: 3S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-63



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2131860.22 FEET
EASTING: 433845.09 FEET
LATITUDE: 30° 11' 45.25119" N
LONGITUDE: 81° 42' 13.44151" W
CONVERGENCE: -0° 21' 14.26364"
SCALE FACTOR: 0.999997807
NEAREST INTERVISIBLE STATION: CLAY 130



CLAY 130

THE STATION IS LOCATED APPROXIMATELY 13 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 2 MILES NORTH OF ORANGE PARK, FLORIDA.

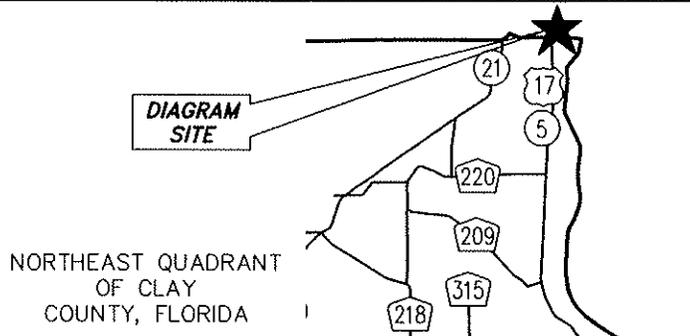
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF U.S. HIGHWAY NO. 17 (ROOSEVELT BOULEVARD) AND STATE ROAD NO. 134 (TIMUQUANA ROAD) IN DUVAL COUNTY, FLORIDA. PROCEED SOUTHERLY 3.6 MILES ON U.S. HIGHWAY NO. 17 (ROOSEVELT BOULEVARD) TO COLLINS ROAD AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A POURED IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 20± FEET NORTHERLY OF THE CENTERLINE OF COLLINS ROAD, 120± FEET EASTERLY OF THE CENTERLINE OF THE NORTH BOUND LANES OF U.S. HIGHWAY NO. 17 (ROOSEVELT BOULEVARD) AND 17.8± FEET SOUTHERLY OF A WITNESS POST.

REFERENCES

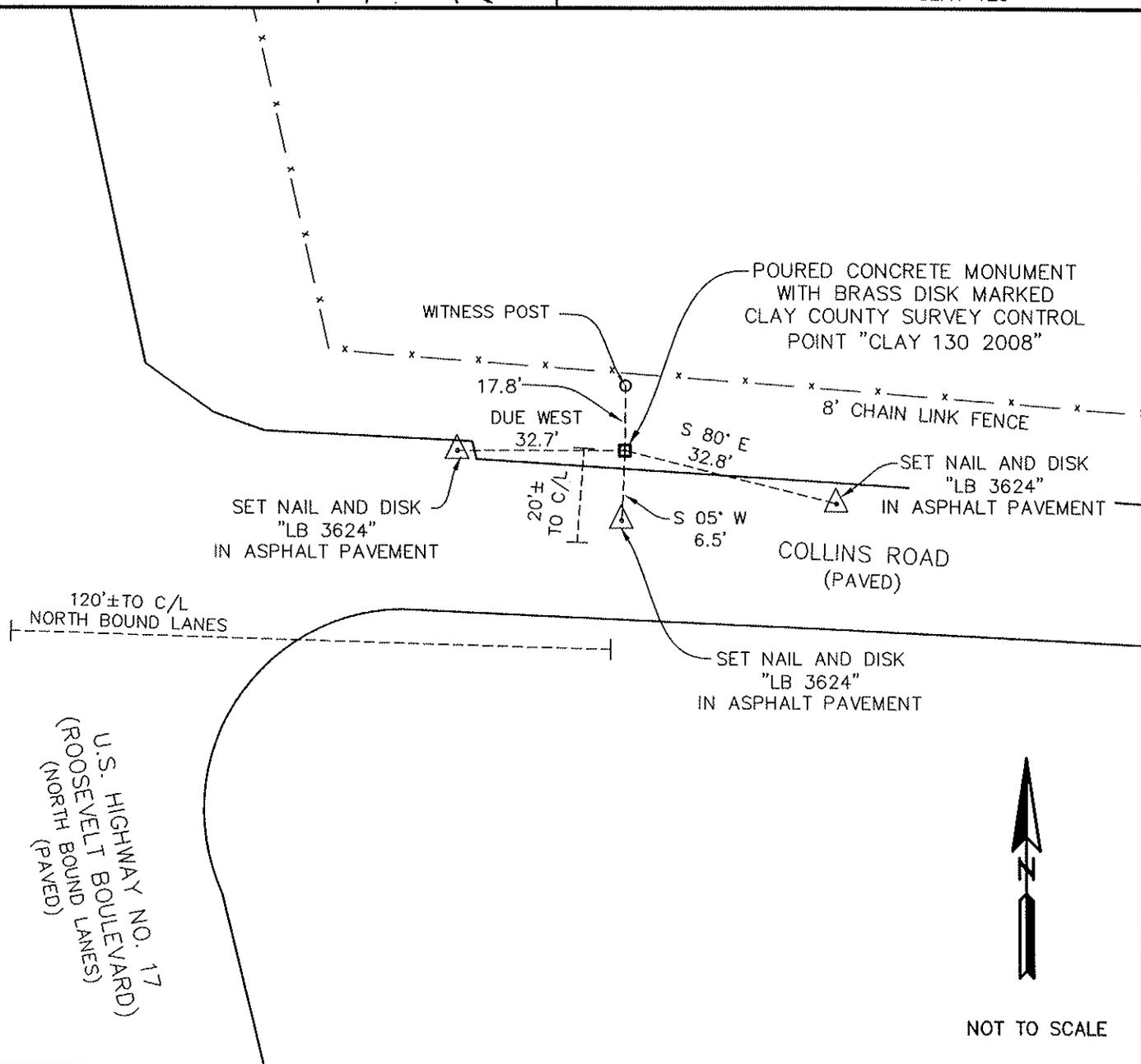
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 80° EAST AT 32.8 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 05° WEST AT 6.5 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 32.7 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: DUVAL	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 130
DESC. BY: D. SCHENCK	STAMPING: CLAY 130 2008	YEAR SET: 2008
SEC: 40 TWP: 3S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-64



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2131937.73 FEET
EASTING: 432813.41 FEET
LATITUDE: 30° 11' 45.95510" N
LONGITUDE: 81° 42' 25.20264" W
CONVERGENCE: -0° 21' 20.18718"
SCALE FACTOR: 0.999993340
NEAREST INTERVISIBLE STATION: CLAY 129



NOT TO SCALE

CLAY 131

THE STATION IS LOCATED APPROXIMATELY 6 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 2 MILES WEST OF FRUIT COVE, FLORIDA.

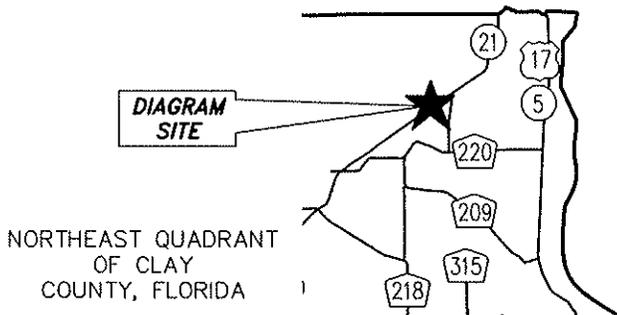
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 23 (BRANAN FIELD / CHAFFEE ROAD) AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 2.5 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN A 6 FOOT CONCRETE SIDEWALK. THIS STATION IS 53± FEET NORTHWESTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 (BLANDING BOULEVARD).

REFERENCES

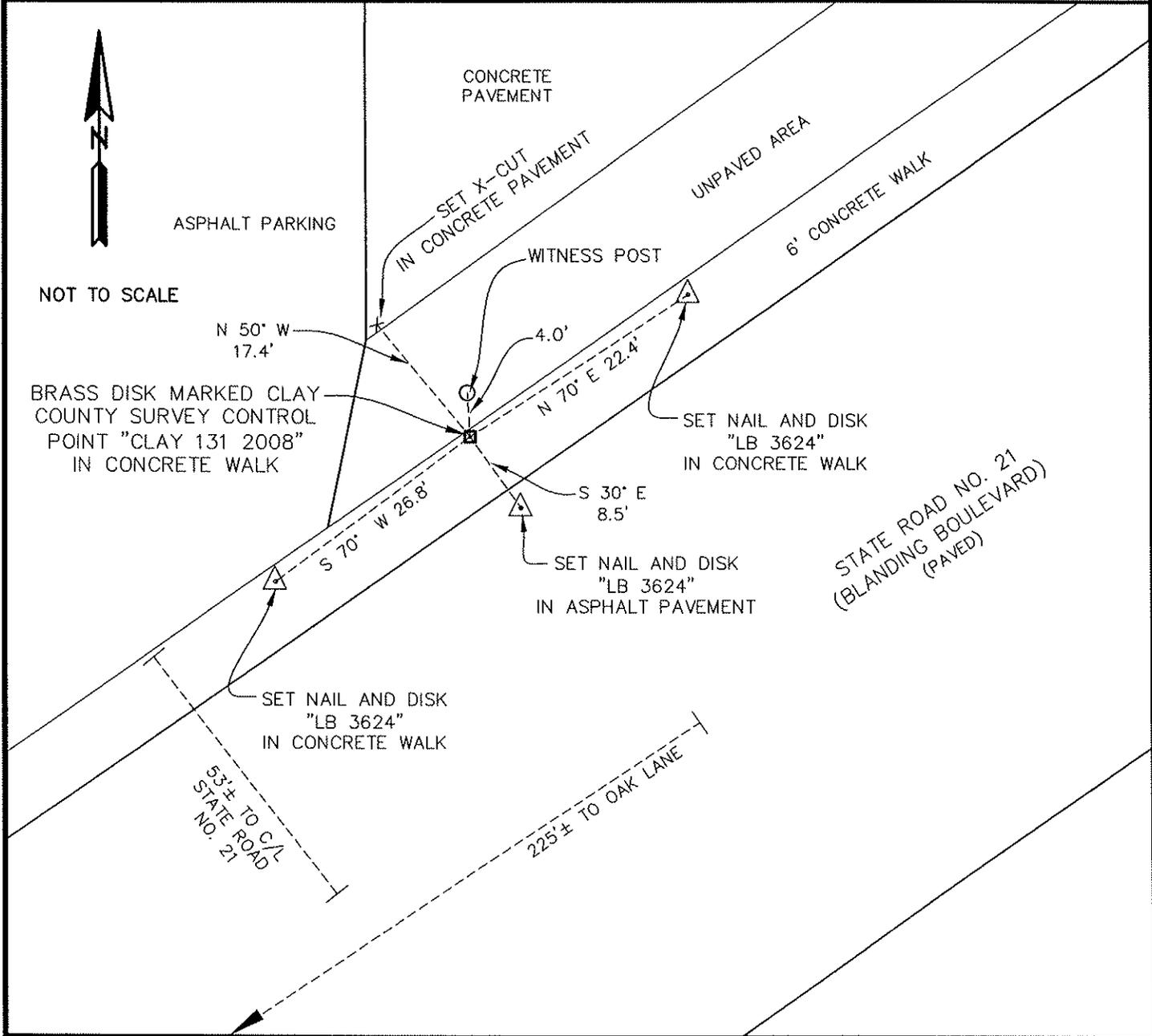
- 1) SET X-CUT IN CONCRETE PAVEMENT, NORTH 50° WEST AT 17.4 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, NORTH 70° EAST AT 22.4 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 30° EAST AT 8.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 70° WEST AT 26.8 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 131
DESC. BY: D. SCHENCK	STAMPING: CLAY 131 2008	YEAR SET: 2008
SEC: 28 TWP: 4S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-65



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2105994.80 FEET
EASTING: 404211.15 FEET
LATITUDE: 30° 07' 27.30332" N
LONGITUDE: 81° 47' 49.04628" W
CONVERGENCE: -0° 23' 59.97851"
SCALE FACTOR: 1.000013912
NEAREST INTERVISIBLE STATION: CLAY 132



CLAY 132

THE STATION IS LOCATED IN ORANGE PARK, FLORIDA WHICH IS APPROXIMATELY 6 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 2 MILES WEST OF FRUIT COVE, FLORIDA.

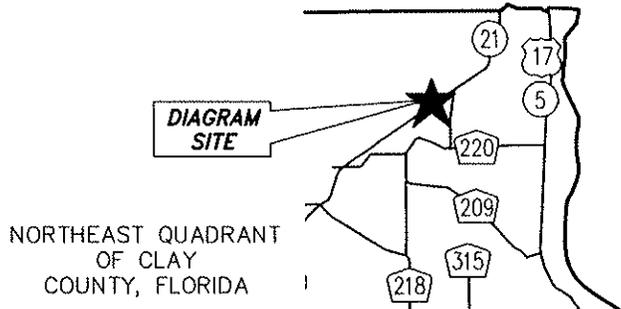
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 23 (BRANAN FIELD / CHAFFEE ROAD) AND STATE ROAD NO. 21 (BLANDING BOULEVARD) IN CLAY COUNTY, FLORIDA. PROCEED NORTHEASTERLY 2.3 MILES ON STATE ROAD NO. 21 (BLANDING BOULEVARD) TO THE STATION ON THE RIGHT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN TOP OF A Poured IN PLACE CONCRETE MONUMENT RECESSED 0.2 FEET BELOW THE GROUND. THIS STATION IS 55± FEET SOUTHEASTERLY OF THE CENTERLINE OF STATE ROAD NO. 21 (BLANDING BOULEVARD) AND 4.0± FEET NORTH OF A WITNESS POST.

REFERENCES

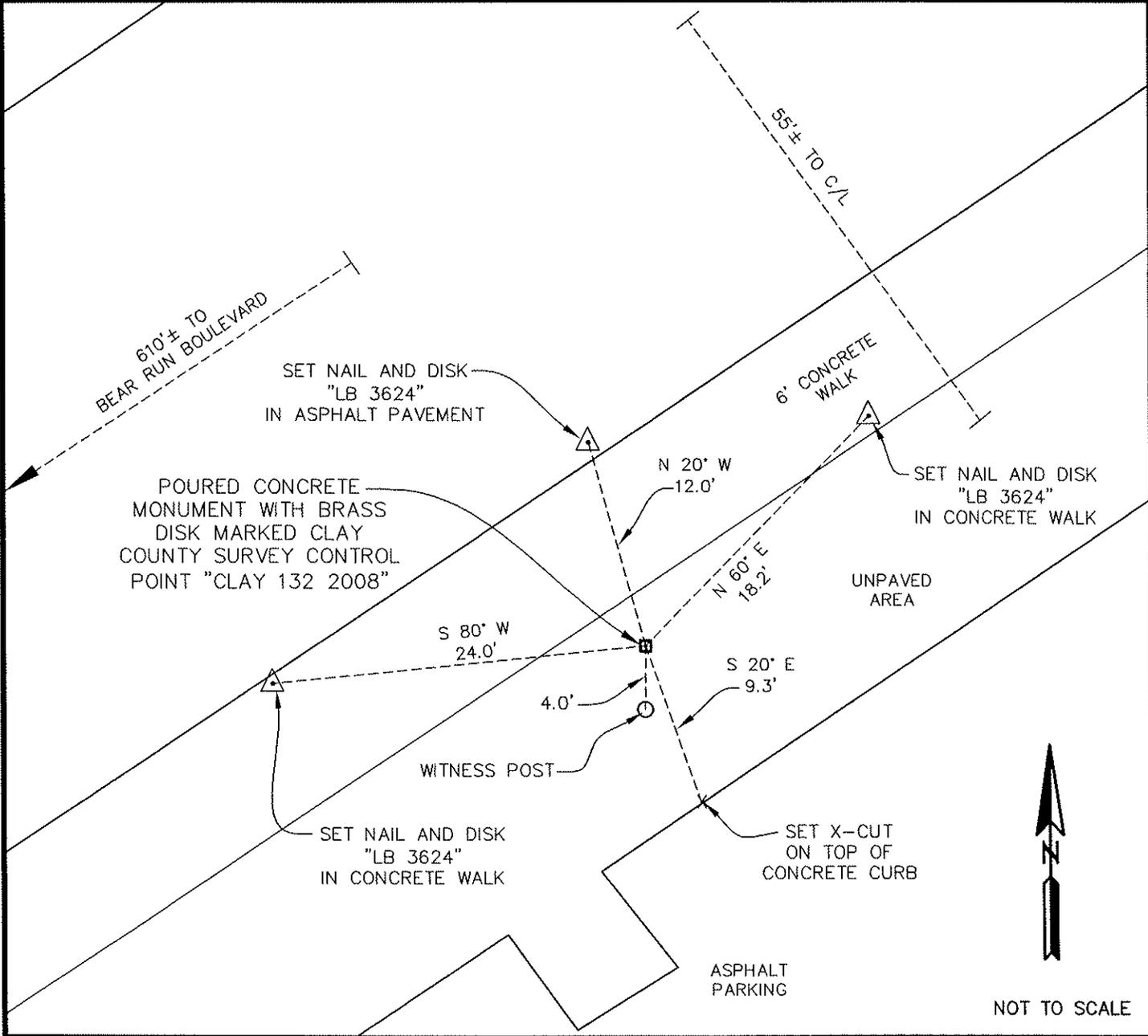
- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, NORTH 20° WEST AT 12.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, NORTH 60° EAST AT 18.2 FEET.
- 3) SET X-CUT IN TOP OF CONCRETE CURB, SOUTH 20° EAST AT 9.3 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, SOUTH 80° WEST AT 24.0 FEET.

CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 132
DESC. BY: D. SCHENCK	STAMPING: CLAY 132 2008	YEAR SET: 2008
SEC: 28 TWP: 4S RGE: 25E	USGS QUAD NAME: MIDDLEBURG	F.B.-PG: X1463-66



HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2105351.67 FEET
EASTING: 403466.49 FEET
LATITUDE: 30° 07' 20.88607" N
LONGITUDE: 81° 47' 57.47394" W
CONVERGENCE: -0° 24' 04.13135"
SCALE FACTOR: 1.000014342
NEAREST INTERVISIBLE STATION: CLAY 131



CLAY 133

THE STATION IS LOCATED IN ORANGE PARK, FLORIDA WHICH IS APPROXIMATELY 12 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 10 MILES SOUTH OF JACKSONVILLE, FLORIDA.

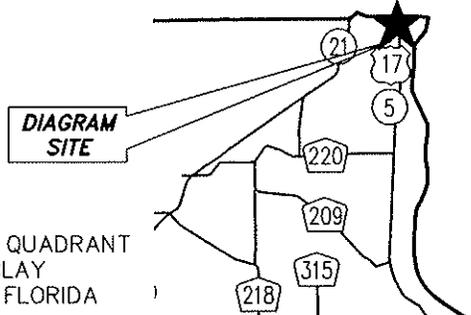
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 224 (KINGSLEY AVENUE) AND U.S. HIGHWAY NO. 17 (PARK AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 1.0 MILES ON U.S. HIGHWAY NO. 17 (PARK AVENUE) TO LORING AVENUE AND THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN A 5 FOOT CONCRETE SIDEWALK. THIS STATION IS 47± FEET WESTERLY OF THE CENTERLINE OF U.S. HIGHWAY NO. 17 (PARK AVENUE) AND 120± FEET NORTHERLY OF THE CENTERLINE OF LORING AVENUE.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 6.0 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 50° WEST AT 17.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, NORTH 20° WEST AT 20.5 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 15.1 FEET.

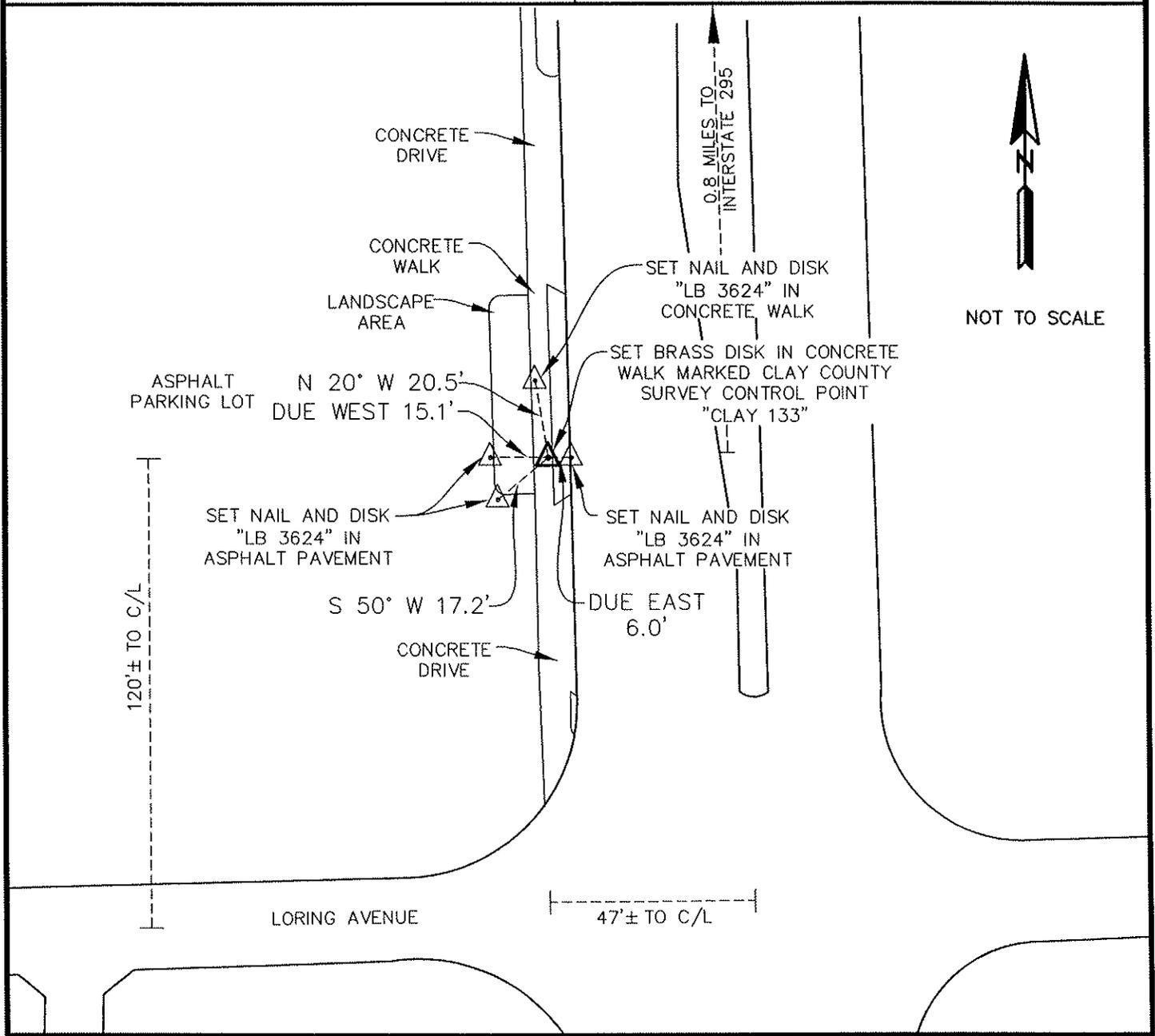
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 133
DESC. BY: A. HARREL	STAMPING: CLAY 133 2008	YEAR SET: 2008
SEC: 49 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.—PG: X1463—68



NORTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2126379.82 FEET
EASTING: 434410.55 FEET
LATITUDE: 30° 10' 51.03995" N
LONGITUDE: 81° 42' 06.61366" W
CONVERGENCE: -0° 21' 10.25512"
SCALE FACTOR: 0.99999752
NEAREST INTERVISIBLE STATION: CLAY 134



CLAY 134

THE STATION IS LOCATED IN ORANGE PARK, FLORIDA WHICH IS APPROXIMATELY 12 MILES NORTHEAST OF MIDDLEBURG, FLORIDA AND APPROXIMATELY 10 MILES SOUTH OF JACKSONVILLE, FLORIDA.

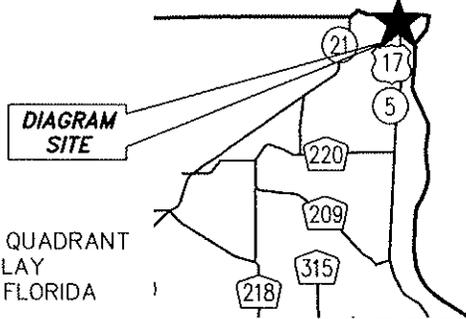
TO REACH THIS STATION, COMMENCE AT THE INTERSECTION OF STATE ROAD NO. 224 (KINGSLEY AVENUE) AND U.S. HIGHWAY NO. 17 (PARK AVENUE) IN CLAY COUNTY, FLORIDA. PROCEED NORTHERLY 0.9 MILES ON U.S. HIGHWAY NO. 17 (PARK AVENUE) TO THE STATION ON THE LEFT. THE STATION IS A 4" DIAMETER BRASS CLAY COUNTY SURVEY CONTROL POINT DISK SET IN A 5 FOOT CONCRETE SIDEWALK. THIS STATION IS 55± FEET WESTERLY OF THE CENTERLINE OF U.S. HIGHWAY NO. 17 (PARK AVENUE) AND 9.0± FEET EAST OF A WITNESS POST.

REFERENCES

- 1) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE EAST AT 10.5 FEET.
- 2) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, SOUTH 10° WEST AT 29.2 FEET.
- 3) SET NAIL AND DISK (LB 3624) IN ASPHALT PAVEMENT, DUE WEST AT 15.2 FEET.
- 4) SET NAIL AND DISK (LB 3624) IN CONCRETE WALK, NORTH 10° WEST AT 27.0 FEET.

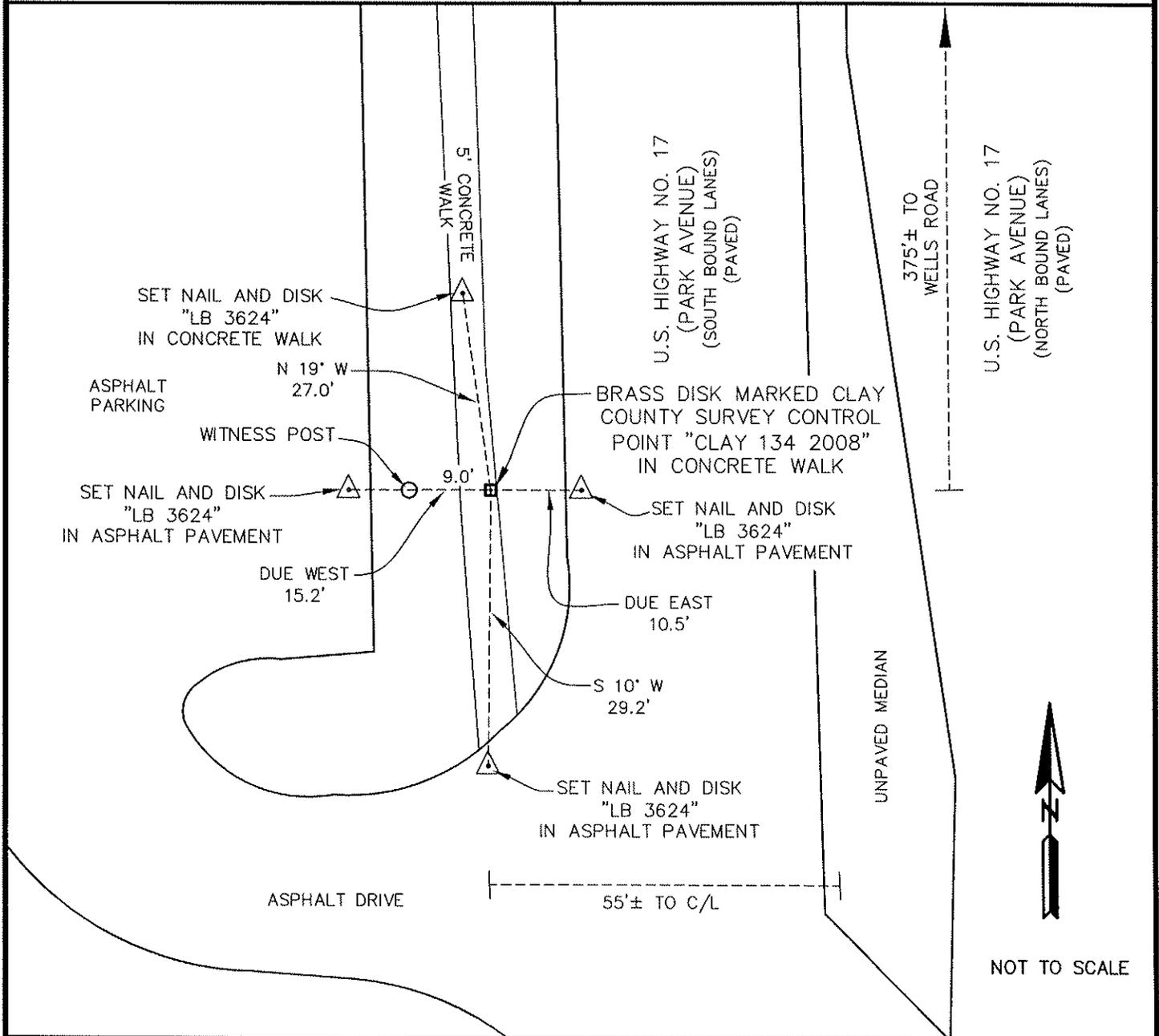
CLAY COUNTY HORIZONTAL CONTROL STATION DIAGRAM

COUNTY: CLAY	MARK TYPE: BRASS DISK IN CONCRETE	STATION: 134
DESC. BY: D. SCHENCK	STAMPING: CLAY 134 2008	YEAR SET: 2008
SEC: 41 TWP: 4S RGE: 26E	USGS QUAD NAME: ORANGE PARK	F.B.-PG: X1463-67



NORTHEAST QUADRANT
OF CLAY
COUNTY, FLORIDA

HORIZONTAL DATUM: NAD 1983 (NSRS 2007)
FLORIDA EAST (ZONE 901) U.S. SURVEY FEET
NORTHING: 2127624.25 FEET
EASTING: 434369.60 FEET
LATITUDE: 30° 11' 03.35500" N
LONGITUDE: 81° 42' 07.16748" W
CONVERGENCE: -0° 21' 10.66401"
SCALE FACTOR: 0.99999752
NEAREST INTERVISIBLE STATION: CLAY 133



NOT TO SCALE

NGS DATA SHEETS

APPENDIX F

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

BC0977 *****

BC0977 DESIGNATION - I10 72 A10
 BC0977 PID - BC0977
 BC0977 STATE/COUNTY- FL/DUVAL
 BC0977 USGS QUAD - MARIETTA (1992)

BC0977
 BC0977 *CURRENT SURVEY CONTROL

BC0977* NAD 83(2007) - 30 18 31.89420(N) 081 50 54.58984(W) ADJUSTED
 BC0977* NAVD 88 - 25.920 (meters) 85.04 (feet) ADJUSTED

BC0977
 BC0977 EPOCH DATE - 2002.00
 BC0977 X - 781,418.638 (meters) COMP
 BC0977 Y - -5,455,375.188 (meters) COMP
 BC0977 Z - 3,199,977.861 (meters) COMP
 BC0977 LAPLACE CORR- -0.21 (seconds) DEFLEC99
 BC0977 ELLIP HEIGHT- -2.213 (meters) (02/10/07) ADJUSTED
 BC0977 GEOID HEIGHT- -28.15 (meters) GEOID03
 BC0977 DYNAMIC HT - 25.887 (meters) 84.93 (feet) COMP

BC0977 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
 BC0977 Type PID Designation North East Ellip
 BC0977
 BC0977 NETWORK BC0977 I10 72 A10 0.59 0.45 1.02
 BC0977
 BC0977 MODELED GRAV- 979,355.8 (mgal) NAVD 88

BC0977
 BC0977 VERT ORDER - SECOND CLASS I

BC0977
 BC0977.The horizontal coordinates were established by GPS observations
 BC0977.and adjusted by the National Geodetic Survey in February 2007.
 BC0977
 BC0977.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 BC0977.See National Readjustment for more information.
 BC0977.The horizontal coordinates are valid at the epoch date displayed above.
 BC0977.The epoch date for horizontal control is a decimal equivalence
 BC0977.of Year/Month/Day.
 BC0977
 BC0977.The orthometric height was determined by differential leveling
 BC0977.and adjusted in July 2004.
 BC0977
 BC0977.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 BC0977
 BC0977.The Laplace correction was computed from DEFLEC99 derived deflections.
 BC0977
 BC0977.The ellipsoidal height was determined by GPS observations
 BC0977.and is referenced to NAD 83.
 BC0977
 BC0977.The geoid height was determined by GEOID03.
 BC0977
 BC0977.The dynamic height is computed by dividing the NAVD 88

BC0977.geopotential number by the normal gravity value computed on the
 BC0977.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 BC0977.degrees latitude (g = 980.6199 gals.).

BC0977

BC0977.The modeled gravity was interpolated from observed gravity values.

BC0977

BC0977;	North	East	Units	Scale	Factor	Converg.
BC0977;SPC FL E	- 662,409.192	118,389.693	MT	1.00002331	-0 25	41.6
BC0977;SPC FL E	- 2,173,254.16	388,416.85	sFT	1.00002331	-0 25	41.6
BC0977;UTM 17	- 3,353,315.162	418,417.538	MT	0.99968211	-0 25	41.6

BC0977

BC0977!	Elev Factor	x	Scale Factor	=	Combined Factor
BC0977!SPC FL E	- 1.00000035	x	1.00002331	=	1.00002366
BC0977!UTM 17	- 1.00000035	x	0.99968211	=	0.99968246

BC0977

BC0977	PID	Reference Object	Distance	Geod. Az
BC0977				ddmmss.s
BC0977	BC0976 I10 72 A10 RM 2		10.678 METERS	26044
BC0977	BC0968 I10 72 A09		APPROX. 2.0 KM	2665249.9
BC0977	BC0975 I10 72 A10 RM 1		11.119 METERS	35554

BC0977

BC0977

SUPERSEDED SURVEY CONTROL

BC0977

BC0977	NAD 83(1999)- 30 18 31.89429(N)	081 50 54.58971(W)	AD()	1
BC0977	ELLIP H (06/19/01) -2.235 (m)		GP()	4 1
BC0977	NAD 83(1990)- 30 18 31.89350(N)	081 50 54.58986(W)	AD()	1
BC0977	ELLIP H (06/10/96) -2.339 (m)		GP()	2 2
BC0977	NAD 83(1990)- 30 18 31.89314(N)	081 50 54.58938(W)	AD()	2
BC0977	NAD 83(1986)- 30 18 31.90134(N)	081 50 54.59633(W)	AD()	2
BC0977	NAD 27 - 30 18 31.04436(N)	081 50 55.23035(W)	AD()	2
BC0977	NAVD 88 (06/15/91) 25.930 (m)	85.07 (f)	UNKNOWN	2 0
BC0977	NGVD 29 (??/??/92) 26.241 (m)	86.09 (f)	ADJ UNCH	2 0

BC0977

BC0977.Superseded values are not recommended for survey control.

BC0977.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

BC0977.See file dsdata.txt to determine how the superseded data were derived.

BC0977

BC0977_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMP1841853315(NAD 83)

BC0977_MARKER: DD = SURVEY DISK

BC0977_SETTING: 31 = SET IN A PAVEMENT SUCH AS STREET, SIDEWALK, CURB, ETC.

BC0977_SP_SET: BRIDGE WALKWAY

BC0977_STAMPING: I 10 72 A 10

BC0977_MARK LOGO: FLDT

BC0977_MAGNETIC: N = NO MAGNETIC MATERIAL

BC0977_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

BC0977_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

BC0977+SATELLITE: SATELLITE OBSERVATIONS - October 25, 1994

BC0977

BC0977	HISTORY	- Date	Condition	Report By
BC0977	HISTORY	- 1972	MONUMENTED	FLDT
BC0977	HISTORY	- 1973	GOOD	FLDT
BC0977	HISTORY	- 19920627	GOOD	FLDNR
BC0977	HISTORY	- 19941025	GOOD	FLDT

BC0977

STATION DESCRIPTION

BC0977

BC0977'DESCRIBED BY FLORIDA DEPARTMENT OF TRANSPORTATION 1972 (CBM)

BC0977'STATION IS LOCATED ABOUT 11 MILES EAST OF BALDWIN AND 10-1/2 MILES

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

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

BC0581 *****

BC0581 HT_MOD - This is a Height Modernization Survey Station.
 BC0581 CBN - This is a Cooperative Base Network Control Station.
 BC0581 DESIGNATION - DURBIN 2
 BC0581 PID - BC0581
 BC0581 STATE/COUNTY- FL/DUVAL
 BC0581 USGS QUAD - DURBIN (1992)

BC0581
 BC0581 *CURRENT SURVEY CONTROL

BC0581*	NAD 83(2007)-	30 05 19.83925(N)	081 27 47.51750(W)	NO CHECK
BC0581*	NAVD 88	- 17.33 (meters)	56.9 (feet)	GPS OBS

BC0581	EPOCH DATE	- 2002.00		
BC0581	X	- 819,906.577 (meters)		COMP
BC0581	Y	- 5,462,121.905 (meters)		COMP
BC0581	Z	- 3,178,893.643 (meters)		COMP
BC0581	LAPLACE CORR-	-1.27 (seconds)		DEFLEC99
BC0581	ELLIP HEIGHT-	-10.905 (meters)	(02/10/07)	NO CHECK
BC0581	GEOID HEIGHT-	-28.27 (meters)		GEOID03

BC0581 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----

BC0581	Type	PID	Designation	North	East	Ellip
BC0581	NETWORK	BC0581	DURBIN 2	1.74	1.35	14.01

BC0581.The horizontal coordinates were established by GPS observations
 BC0581.and adjusted by the National Geodetic Survey in February 2007.
 BC0581
 BC0581.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 BC0581.See National Readjustment for more information.
 BC0581.No horizontal observational check was made to the station.
 BC0581.The horizontal coordinates are valid at the epoch date displayed above.
 BC0581.The epoch date for horizontal control is a decimal equivalence
 BC0581.of Year/Month/Day.
 BC0581
 BC0581.The orthometric height was determined by GPS observations and a
 BC0581.high-resolution geoid model.
 BC0581.The orthometric height was determined by GPS observations and a
 BC0581.high-resolution geoid model using precise GPS observation and
 BC0581.processing techniques. It supersedes the leveled height previously
 BC0581.determined for this station.
 BC0581
 BC0581.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 BC0581
 BC0581.The Laplace correction was computed from DEFLEC99 derived deflections.
 BC0581
 BC0581.The ellipsoidal height was determined by GPS observations
 BC0581.and is referenced to NAD 83.
 BC0581

BC0581.The geoid height was determined by GEOID03.

BC0581

BC0581;	North	East	Units	Scale Factor	Converg.
BC0581;SPC FL E	- 637,806.170	155,349.868	MT	0.99996576	-0 13 56.0
BC0581;SPC FL E	- 2,092,535.74	509,677.03	sFT	0.99996576	-0 13 56.0
BC0581;UTM 17	- 3,328,720.535	455,365.103	MT	0.99962458	-0 13 56.0

BC0581!	Elev Factor	x	Scale Factor	=	Combined Factor
BC0581!SPC FL E	- 1.00000171	x	0.99996576	=	0.99996747
BC0581!UTM 17	- 1.00000171	x	0.99962458	=	0.99962629

BC0581

BC0581	PID	Reference Object	Distance	Geod. Az
BC0581				dddmss.s
BC0581	BC0571	DURBIN	40.714 METERS	04718
BC0581	BC0573	DURBIN RM 1	38.456 METERS	12810
BC0581	BC0583	DURBIN 2 AZ MK	APPROX. 0.7 KM	1380857.2
BC0581	BC0572	DURBIN RM 2	49.504 METERS	32658

BC0581

SUPERSEDED SURVEY CONTROL

BC0581

BC0581	ELLIP H (06/27/07)	-10.947 (m)		GP()	3 2
BC0581	NAD 83(1999)-	30 05 19.84016(N)	081 27 47.51766(W)	AD()	B
BC0581	ELLIP H (05/31/01)	-10.916 (m)		GP()	5 1
BC0581	NAD 83(1990)-	30 05 19.83929(N)	081 27 47.51758(W)	AD()	B
BC0581	ELLIP H (09/13/90)	-10.992 (m)		GP()	4 1
BC0581	NAD 83(1986)-	30 05 19.84587(N)	081 27 47.52737(W)	AD()	2
BC0581	NAD 27	- 30 05 18.97244(N)	081 27 48.22762(W)	AD()	2
BC0581	NAVD 88 (05/04/04)	17.352 (m)	56.93 (f)	ADJUSTED	2 1
BC0581	NAVD 88 (06/15/91)	17.357 (m)	56.95 (f)	UNKNOWN	1 1
BC0581	NGVD 29 (09/01/92)	17.676 (m)	57.99 (f)	ADJUSTED	1 1

BC0581

BC0581.Superseded values are not recommended for survey control.

BC0581.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

BC0581.See file dsdata.txt to determine how the superseded data were derived.

BC0581

BC0581_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMP5536528721(NAD 83)

BC0581_MARKER: DS = TRIANGULATION STATION DISK

BC0581_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

BC0581_SP_SET: CONCRETE POST

BC0581_STAMPING: DURBIN 2 1972

BC0581_MARK LOGO: NGS

BC0581_PROJECTION: FLUSH

BC0581_MAGNETIC: N = NO MAGNETIC MATERIAL

BC0581_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

BC0581+STABILITY: SURFACE MOTION

BC0581_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

BC0581+SATELLITE: SATELLITE OBSERVATIONS - 2006

BC0581

BC0581	HISTORY	- Date	Condition	Report By
BC0581	HISTORY	- 1972	MONUMENTED	NGS
BC0581	HISTORY	- 1972	GOOD	NGS
BC0581	HISTORY	- 1973	SEE DESCRIPTION	NGS
BC0581	HISTORY	- 1982	GOOD	LOCSUR
BC0581	HISTORY	- 19881117	GOOD	NGS
BC0581	HISTORY	- 19890426	GOOD	
BC0581	HISTORY	- 19910414	GOOD	NGS
BC0581	HISTORY	- 20000919	GOOD	FLDEP
BC0581	HISTORY	- 20020606	GOOD	JCLS

BC0581 HISTORY - 2006 GOOD FLDEP

BC0581

BC0581

STATION DESCRIPTION

BC0581

BC0581'DESCRIBED BY NATIONAL GEODETIC SURVEY 1972 (LFS)

BC0581'STATION IS ABOUT 15-1/2 MILES NORTHWEST OF SAINT AUGUSTINE,
BC0581'20-1/2 MILES SOUTHEAST OF JACKSONVILLE, 15 MILES NORTHEAST OF
BC0581'GREEN COVE SPRINGS, 5-1/2 MILES SOUTHEAST OF THE SMALL TOWN OF
BC0581'BAYARD, 3/4 MILE NORTHWEST OF THE SMALL SETTLEMENT OF DURBIN
BC0581'AND ON PROPERTY OF THE FLORIDA EAST COAST RAILWAY.

BC0581'

BC0581'TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY 1 AND
BC0581'STATE HIGHWAY 16 IN THE NORTH EDGE OF SAINT AUGUSTINE, GO
BC0581'NORTH AND NORTHWEST ON U.S. HIGHWAY 1 FOR 13.9 MILES TO THE
BC0581'JUNCTION OF STATE ROAD 210 IN DURBIN. CONTINUE NORTHWEST ON
BC0581'U.S. HIGHWAY 1 FOR 0.35 MILE TO THE DURBIN FOREST SERVICE TOWER
BC0581'ON RIGHT AND THE AZIMUTH MARK ON LEFT. CONTINUE NORTHWEST ON
BC0581'U.S. HIGHWAY 1 FOR 0.35 MILE TO STATION ON LEFT.

BC0581'

BC0581'STATION MARKS ARE STANDARD DISKS STAMPED DURBIN 2 1972. THE
BC0581'SURFACE DISK IS SET IN THE TOP OF A 12-INCH CYLINDRICAL
BC0581'CONCRETE MONUMENT THAT IS SET FLUSH WITH THE GROUND SURFACE. IT
BC0581'IS 133.5 FEET SOUTHWEST OF THE POWER LINE POLE 821, 79
BC0581'FEET NORTHEAST OF THE NORTHEAST RAIL OF THE TRACK, 67.7 FEET
BC0581'SOUTHWEST OF THE CENTER OF U.S. HIGHWAY 1 (SOUTH BOUND LANE),
BC0581'54 FEET WEST-NORTHWEST OF POWER LINE POLE 822, 2.8 FEET
BC0581'NORTHWEST OF A METAL WITNESS POST, 2.6 FEET SOUTHEAST OF A
BC0581'METAL WITNESS POST AND ON RAILROAD RIGHT-OF-WAY PROPERTY. THE
BC0581'UNDERGROUND MARK IS AN IRREGULAR MASS OF CONCRETE ABOUT
BC0581'38-INCHES BELOW THE GROUND SURFACE.

BC0581'

BC0581'REFERENCE MARK 1, A STANDARD DISK STAMPED DURBIN NO 1 1933, IS
BC0581'SET IN THE TOP OF A 12-INCH SQUARE CONCRETE MONUMENT THAT
BC0581'PROJECTS 10-INCHES ABOVE THE GROUND SURFACE. IT IS 103 FEET
BC0581'NORTHEAST OF THE NORTHEAST RAIL OF THE TRACK, 44.5 FEET
BC0581'SOUTHWEST OF THE CENTER OF HIGHWAY, 2.4 FEET SOUTHEAST OF A
BC0581'POWER LINE POLE 2 1/2, 1.4 FEET NORTHWEST OF A METAL WITNESS
BC0581'POST AND ABOUT 1 FOOT HIGHER THAN THE STATION.

BC0581'

BC0581'REFERENCE MARK 2, A STANDARD DISK STAMPED DURBIN NO 2 1933, IS
BC0581'SET IN THE TOP OF A 12-INCH SQUARE CONCRETE MONUMENT THAT
BC0581'PROJECTS 12-INCHES ABOVE THE GROUND SURFACE. IT IS 104 FEET
BC0581'NORTHEAST OF THE NORTHEAST RAIL OF THE TRACK, 44 FEET
BC0581'SOUTHWEST OF THE CENTER OF THE HIGHWAY, 29.3 FEET NORTHWEST OF
BC0581'POWER LINE POLE 821, 1.2 FEET NORTHWEST OF A METAL WITNESS
BC0581'POST AND ABOUT 1 FOOT HIGHER THAN THE STATION.

BC0581'

BC0581'STATION DURBIN, 1933 (TEMPORARY POINT), IS THE TOP OF A 12-INCH
BC0581'STAR DRILL WITH A CROSS CHISELED IN THE TOP AND IS 3-INCHES
BC0581'BELOW THE GROUND SURFACE. IT IS 64.5 FEET SOUTH-SOUTHEAST OF
BC0581'A MAIL BOX, 41.5 FEET SOUTHEAST OF THE CENTER OF DRIVEWAY
BC0581'ENTRANCE, 41.3 FEET WEST OF A 20-INCH PINE TREE AND 1.0 FOOT
BC0581'NORTHEAST OF THE NORTHEAST EDGE OF HIGHWAY.

BC0581'

BC0581'AZIMUTH MARK, A STANDARD DISK STAMPED DURBIN 2 1972, IS SET
BC0581'IN THE TOP OF A 12-INCH SQUARE CONCRETE MONUMENT THAT IS SET
BC0581'FLUSH WITH THE GROUND SURFACE. IT IS 288.5 FEET SOUTHWEST OF
BC0581'TRIANGULATION STATION NIBRUD 1962, 103 FEET NORTHEAST OF THE
BC0581'NORTHEAST RAIL OF TRACK, 300 FEET SOUTHWEST OF THE DURBIN
BC0581'FOREST SERVICE TOWER, 44.5 FEET SOUTHWEST OF THE CENTER OF U.S.

BC0581'U.S. ROUTE 1.
BC0581'
BC0581'NOTE--THIS MONUMENT HAS BEEN BADLY BATTERED BY MOWING EQUIPMENT.
BC0581'
BC0581'DISTANCE BETWEEN REFERENCE MARK NUMBER 1 AND REFERENCE MARK
BC0581'NUMBER 2 IS 86.835 METERS, OR 284.89 FEET.
BC0581'
BC0581'AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN
BC0581'4.95 MILES SSE OF BAYARD, FLORIDA.
BC0581
BC0581 STATION RECOVERY (1982)
BC0581
BC0581'RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1982
BC0581'RECOVERED IN GOOD CONDITION.
BC0581
BC0581 STATION RECOVERY (1988)
BC0581
BC0581'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
BC0581'THE STATION IS LOCATED ABOUT 22.53 KM (14.00 MI) NORTHWEST OF ST.
BC0581'AUGUSTINE, 8.05 KM (5.00 MI) SOUTH-SOUTHEAST OF BAYARD, BETWEEN THE
BC0581'SOUTHBOUND LANE OF U.S. HIGHWAY 1 AND THE SEABOARD COAST LINE
BC0581'RAILROAD. OWNERSHIP--RAILROAD RIGHT-OF-WAY.
BC0581'TO REACH THE STATION FROM THE POST OFFICE IN BAYARD, GO
BC0581'SOUTH-SOUTHEAST FOR 7.97 KM (4.95 MI) ON U.S. HIGHWAY 1 TO THE STATION
BC0581'ON RIGHT.
BC0581'LOCATED 25.57 M (83.9 FT) WEST FROM A ST JOHNS CO RD 210 EAST SIGN,
BC0581'20.57 M (67.5 FT) SOUTHWEST FROM THE APPROXIMATE CENTER OF THE U.S.
BC0581'HIGHWAY 1 SOUTHBOUND LANE, 20.21 M (66.3 FT) EAST-SOUTHEAST FROM A
BC0581'1.21 M (4.0 FT) TALL CONCRETE NO TRESPASSING SIGN, 11.09 M (36.4 FT)
BC0581'NORTH-NORTHEAST FROM A 6.1 M (20.0 FT) TALL PINE TREE, 0.85 M
BC0581'(2.8 FT) NORTHWEST FROM A METAL WITNESS POST (PLAQUE MISSING) AND 0.79
BC0581'M (2.6 FT) SOUTHEAST FROM A METAL WITNESS POST.
BC0581'DESCRIBED BY F.W. ROSSMANN.
BC0581
BC0581 STATION RECOVERY (1989)
BC0581
BC0581'RECOVERED 1989
BC0581'RECOVERED IN GOOD CONDITION.
BC0581
BC0581 STATION RECOVERY (1991)
BC0581
BC0581'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1991
BC0581'23.4 KM (14.5 MI) NORTHWESTERLY ALONG U.S. HIGHWAY 1 FROM THE JUNCTION
BC0581'OF STATE HIGHWAY 16 IN SAINT AUGUSTINE, 0.2 KM (0.1 MI) NORTHWEST OF
BC0581'THE INTERSECTION OF COUNTY ROAD 210 EAST, 49.4 M (162.1 FT)
BC0581'SOUTH-SOUTHEAST OF REFERENCE MARK 2, 38.4 M (126.0 FT) WEST-NORTHWEST
BC0581'OF REFERENCE MARK 1, 20.6 M (67.6 FT) SOUTHWEST OF THE CENTERLINE OF
BC0581'THE SOUTHBOUND LANES OF THE HIGHWAY, 0.7 M (2.3 FT) SOUTHEAST OF A
BC0581'WITNESS POST, 0.6 M (2.0 FT) BELOW THE LEVEL OF THE HIGHWAY, AND THE
BC0581'MONUMENT IS FLUSH WITH THE GROUND SURFACE.
BC0581
BC0581 STATION RECOVERY (2000)
BC0581
BC0581'RECOVERY NOTE BY FL DEPT OF ENV PRO 2000 (JLM)
BC0581'THE MARK IS IN DURBIN, 19.4 MI (31.2 KM) SOUTH OF JACKSONVILLE, 14.6
BC0581'MI (23.5 KM) NORTH OF ST AUGUSTINE, 10.5 MI (16.9 KM) SOUTHWEST OF
BC0581'PONTE VEDRA BEACH, IN SECTION 11, TOWNSHIP 5 SOUTH, RANGE 28 EAST. TO
BC0581'REACH THE MARK FROM THE JUNCTION OF U.S. HIGHWAY 1 AND WEST COUNTY
BC0581'ROAD 210 IN DURBIN, GO NORTH ON U.S. HIGHWAY 1 FOR 0.6 MI (1.0 KM) TO
BC0581'THE JUNCTION OF COUNTY ROAD 210 EAST, CONTINUE NORTH ON U.S. HIGHWAY 1

BC0581'FOR 0.15 MI (0.24 KM) TO THE MARK ON THE LEFT, SET IN THE TOP OF A
BC0581'CONCRETE MONUMENT FLUSH WITH THE GROUND AND LEVEL WITH THE NORTHBOUND
BC0581'LANES OF U.S. HIGHWAY 1. LOCATED 133.5 FT (40.7 M) SOUTHWEST OF POWER
BC0581'POLE NUMBER 821, 67.7 FT (20.6 M) SOUTHWEST OF THE CENTERLINE OF THE
BC0581'SOUTHBOUND LANES OF U.S. HIGHWAY 1 AND 1.0 FT (0.3 M) NORTHEAST OF A
BC0581'CARSONITE WITNESS POST.

BC0581

BC0581 STATION RECOVERY (2002)

BC0581

BC0581'RECOVERY NOTE BY JOHN CHANCE LAND SURVEYS INC 2002

BC0581'RECOVERED IN GOOD CONDITION.

BC0581

BC0581 STATION RECOVERY (2006)

BC0581

BC0581'RECOVERY NOTE BY FL DEPT OF ENV PRO 2006 (RH)

BC0581'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

DE6140 *****

DE6140 DESIGNATION - BRADFORD 21

DE6140 PID - DE6140

DE6140 STATE/COUNTY- FL/BRADFORD

DE6140 USGS QUAD - LAWTEY (1993)

DE6140

*CURRENT SURVEY CONTROL

DE6140

DE6140* NAD 83(2007)- 30 05 52.44841(N) 082 03 18.81599(W) ADJUSTED

DE6140* NAVD 88 - 54.5 (meters) 179. (feet) GPS OBS

DE6140

DE6140 EPOCH DATE - 2002.00

DE6140 X - 763,359.521 (meters) COMP

DE6140 Y - -5,469,835.421 (meters) COMP

DE6140 Z - 3,179,781.118 (meters) COMP

DE6140 LAPLACE CORR- 0.42 (seconds) DEFLEC99

DE6140 ELLIP HEIGHT- 26.378 (meters) (02/10/07) ADJUSTED

DE6140 GEOID HEIGHT- -28.05 (meters) GEOID03

DE6140

DE6140 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----

DE6140 Type PID Designation North East Ellip

DE6140 -----

DE6140 NETWORK DE6140 BRADFORD 21 0.57 0.51 1.76

DE6140 -----

DE6140

DE6140.The horizontal coordinates were established by GPS observations

DE6140.and adjusted by the National Geodetic Survey in February 2007.

DE6140

DE6140.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).

DE6140.See National Readjustment for more information.

DE6140.The horizontal coordinates are valid at the epoch date displayed above.

DE6140.The epoch date for horizontal control is a decimal equivalence

DE6140.of Year/Month/Day.

DE6140

DE6140.The orthometric height was determined by GPS observations and a

DE6140.high-resolution geoid model.

DE6140

DE6140.The X, Y, and Z were computed from the position and the ellipsoidal ht.

DE6140

DE6140.The Laplace correction was computed from DEFLEC99 derived deflections.

DE6140

DE6140.The ellipsoidal height was determined by GPS observations

DE6140.and is referenced to NAD 83.

DE6140

DE6140.The geoid height was determined by GEOID03.

DE6140

DE6140; North East Units Scale Factor Converg.

DE6140;SPC FL N - 124,225.756 835,625.165 MT 0.99994916 +1 13 42.8

DE6140;SPC FL N - 407,564.00 2,741,546.90 sFT 0.99994916 +1 13 42.8

DE6140;UTM 17 - 3,330,103.375 398,322.999 MT 0.99972755 -0 31 45.2

DE6140

```

DE6140!          - Elev Factor x Scale Factor = Combined Factor
DE6140!SPC FL N  - 0.99999586 x 0.99994916 = 0.99994502
DE6140!UTM 17   - 0.99999586 x 0.99972755 = 0.99972341
DE6140
DE6140:          Primary Azimuth Mark          Grid Az
DE6140:SPC FL N  - BRADFORD 20                021 43 03.1
DE6140:UTM 17   - BRADFORD 20                023 28 31.1
DE6140
DE6140 |-----|
DE6140 | PID      Reference Object          Distance      Geod. Az
DE6140 |-----|
DE6140 | DE6139 BRADFORD 20                APPROX. 1.1 KM 0225645.9
DE6140 |-----|
DE6140
DE6140
DE6140
DE6140
DE6140          SUPERSEDED SURVEY CONTROL
DE6140
DE6140
DE6140 NAD 83(1999) - 30 05 52.44884(N)      082 03 18.81614(W) AD(      ) 1
DE6140 ELLIP H (06/28/02) 26.381 (m)          GP(      ) 1 2
DE6140
DE6140.Superseded values are not recommended for survey control.
DE6140.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
DE6140.See file dsdata.txt to determine how the superseded data were derived.
DE6140
DE6140_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RLP9832330103(NAD 83)
DE6140_MARKER: DD = SURVEY DISK
DE6140_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
DE6140_STAMPING: BRADFORD 21 2002
DE6140_MARK LOGO: FLDEP
DE6140_PROJECTION: RECESSED 10 CENTIMETERS
DE6140_MAGNETIC: N = NO MAGNETIC MATERIAL
DE6140_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
DE6140_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
DE6140+SATELLITE: SATELLITE OBSERVATIONS - April 23, 2002
DE6140
DE6140 HISTORY      - Date      Condition      Report By
DE6140 HISTORY      - 20020423 MONUMENTED      DCJOHN
DE6140
DE6140
DE6140          STATION DESCRIPTION
DE6140
DE6140'DESCRIBED BY DC JOHNSON ASSOC 2002 (ARG)
DE6140'THE STATION IS LOCATED 3.9 MILES NORTHEAST OF LAWTEY, 11.3 MILES
DE6140'NORTHWEST OF
DE6140'MIDDLEBURG AND 13.6 MILES SOUTHEAST OF MACCLENNY.
DE6140'
DE6140'FROM THE INTERSECTION OF INTERSTATE 10 AND U.S. HIGHWAY 301 IN
DE6140'BALDWIN, GO SOUTH ON U.S.
DE6140'HIGHWAY 301 FOR 14.0 MILES TO THE STATION ON THE LEFT IN THE MEDIAN OF
DE6140'U.S. HIGHWAY 301, A
DE6140'BRASS FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DISC SET IN THE
DE6140'TOP OF A 12-INCH
DE6140'DIAMETER CONCRETE MONUMENT RECESSED 0.4 FT BELOW THE GROUND. THE
DE6140'STATION IS 11.5 FT.
DE6140'EAST OF THE EAST EDGE OF PAVEMENT OF THE SOUTHBOUND LANE OF U.S.
DE6140'HIGHWAY 301, 12.7 FT.
DE6140'WEST OF THE WEST EDGE OF PAVEMENT OF THE NORTHBOUND LANE OF U.S.
DE6140'HIGHWAY 301 AND 1.5
DE6140'FT. NORTH OF A CARSONITE WITNESS POST
DE6140'NAIL AND DISC (LB 4514), SET IN A 10 INCH PINE, NORTH 70 DEGREES EAST
DE6140'AT 120.72 FT
DE6140'NAIL AND DISC (LB 4514), SET IN A 8 INCH PINE, SOUTH 38 DEGREES EAST

```

DE6140'AT 84.09 FT
DE6140'NAIL AND DISC (LB 4514), SET IN A POWER POLE NUMBERED 631 8, NORTH 40
DE6140'DEGREES WEST AT 90.88
DE6140'FT
DE6140'

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

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

AQ2793 *****

AQ2793 DESIGNATION - KING
 AQ2793 PID - AQ2793
 AQ2793 STATE/COUNTY- FL/CLAY
 AQ2793 USGS QUAD - KINGSLEY (1992)

AQ2793
 AQ2793 *CURRENT SURVEY CONTROL

AQ2793*	NAD 83(2007) -	29 58 55.53366(N)	081 59 34.08217(W)	ADJUSTED
AQ2793*	NAVD 88 -	60.275 (meters)	197.75 (feet)	ADJUSTED

AQ2793	EPOCH DATE -	2002.00		
AQ2793	X -	770,214.615 (meters)		COMP
AQ2793	Y -	-5,475,369.615 (meters)		COMP
AQ2793	Z -	3,168,670.610 (meters)		COMP
AQ2793	LAPLACE CORR-	-0.25 (seconds)		DEFLEC99
AQ2793	ELLIP HEIGHT-	32.314 (meters)	(02/10/07)	ADJUSTED
AQ2793	GEOID HEIGHT-	-27.96 (meters)		GEOID03
AQ2793	DYNAMIC HT -	60.196 (meters)	197.49 (feet)	COMP

AQ2793 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
 AQ2793 Type PID Designation North East Ellip
 AQ2793 -----
 AQ2793 NETWORK AQ2793 KING 0.55 0.49 1.72
 AQ2793 -----

AQ2793 MODELED GRAV- 979,326.8 (mgal) NAVD 88

AQ2793 VERT ORDER - FIRST CLASS II

AQ2793 .The horizontal coordinates were established by GPS observations
 AQ2793 .and adjusted by the National Geodetic Survey in February 2007.
 AQ2793 .The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AQ2793 .See National Readjustment for more information.
 AQ2793 .The horizontal coordinates are valid at the epoch date displayed above.
 AQ2793 .The epoch date for horizontal control is a decimal equivalence
 AQ2793 .of Year/Month/Day.

AQ2793 .The orthometric height was determined by differential leveling
 AQ2793 .and adjusted in January 2008.

AQ2793 .Photographs are available for this station.

AQ2793 .The X, Y, and Z were computed from the position and the ellipsoidal ht.

AQ2793 .The Laplace correction was computed from DEFLEC99 derived deflections.

AQ2793 .The ellipsoidal height was determined by GPS observations
 AQ2793 .and is referenced to NAD 83.

AQ2793 .The geoid height was determined by GEOID03.

AQ2793

AQ2793.The dynamic height is computed by dividing the NAVD 88
 AQ2793.geopotential number by the normal gravity value computed on the
 AQ2793.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 AQ2793.degrees latitude (g = 980.6199 gals.).

AQ2793

AQ2793.The modeled gravity was interpolated from observed gravity values.

AQ2793

AQ2793;	North	East	Units	Scale	Factor	Converg.
AQ2793;SPC FL E	- 626,297.470	104,194.387	MT	1.00005438	-0 29 46.2	
AQ2793;SPC FL E	- 2,054,777.62	341,844.42	sFT	1.00005438	-0 29 46.2	
AQ2793;UTM 17	- 3,317,215.761	404,227.076	MT	0.99971317	-0 29 46.2	

AQ2793

AQ2793!	Elev Factor	x	Scale Factor	=	Combined Factor
AQ2793!SPC FL E	- 0.99999493	x	1.00005438	=	1.00004930
AQ2793!UTM 17	- 0.99999493	x	0.99971317	=	0.99970810

AQ2793

AQ2793 SUPERSEDED SURVEY CONTROL

AQ2793

AQ2793	NAD 83(1999)-	29 58 55.53404(N)	081 59 34.08240(W)	AD()	B
AQ2793	ELLIP H (05/31/01)	32.334 (m)		GP()	5 1
AQ2793	NAD 83(1990)-	29 58 55.53288(N)	081 59 34.08198(W)	AD()	B
AQ2793	ELLIP H (06/02/94)	32.340 (m)		GP()	3 1
AQ2793	NAVD 88 (09/10/97)	60.273 (m)	197.75 (f)	UNKNOWN	2 1

AQ2793

AQ2793.Superseded values are not recommended for survey control.

AQ2793.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AQ2793.See file dsdata.txt to determine how the superseded data were derived.

AQ2793

AQ2793_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMP0422717216(NAD 83)

AQ2793_MARKER: F = FLANGE-ENCASED ROD

AQ2793_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AQ2793_SP_SET: STAINLESS STEEL ROD IN SLEEVE

AQ2793_STAMPING: KING 1993

AQ2793_MARK LOGO: NGS

AQ2793_PROJECTION: FLUSH

AQ2793_MAGNETIC: M = MARKER EQUIPPED WITH BAR MAGNET

AQ2793_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AQ2793_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AQ2793+SATELLITE: SATELLITE OBSERVATIONS - November 10, 2006

AQ2793_ROD/PIPE-DEPTH: 6.4 meters

AQ2793_SLEEVE-DEPTH : 0.9 meters

AQ2793

AQ2793	HISTORY	- Date	Condition	Report By
AQ2793	HISTORY	- 1993	MONUMENTED	NGS
AQ2793	HISTORY	- 19960229	GOOD	FLDEP
AQ2793	HISTORY	- 19970502	GOOD	DCJOHN
AQ2793	HISTORY	- 20020423	GOOD	DCJOHN
AQ2793	HISTORY	- 20050109	GOOD	FLDEP
AQ2793	HISTORY	- 20061110	GOOD	BAKER

AQ2793

AQ2793 STATION DESCRIPTION

AQ2793

AQ2793'DESCRIBED BY NATIONAL GEODETIC SURVEY 1993

AQ2793'THE STATION IS LOCATED ABOUT 9.7 KM (6.00 MI) NORTHEAST OF STARKE, 3.2

AQ2793'KM (2.00 MI) NORTH-NORTHEAST OF KINGSLEY, 0.8 KM (0.50 MI) NORTH OF

AQ2793'KINGSLEY LAKE, 0.8 KM (0.50 MI) WEST OF THE MAINE GATE TO CAMP

AQ2793'BLANDING, ON THE NORTH SIDE OF STATE HIGHWAY 16, AND JUST NORTH OF

AQ2793'GATE A ON THE CAMP BLANDING MILITARY RESERVATION. OWNERSHIP--HIGHWAY

AQ2793'RIGHT-OF-WAY.

AQ2793'TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 16 AND COUNTY
AQ2793'ROAD 225 JUST NORTH OF KINGSLEY, GO EAST ALONG STATE HIGHWAY 16 FOR
AQ2793'2.1 KM (1.30 MI) TO THE STATION ON THE LEFT.

AQ2793'LOCATED 13.8 M (45.3 FT) NORTH OF THE CENTERLINE OF THE WESTBOUND LANE
AQ2793'OF THE HIGHWAY, 13.1 M (43.0 FT) WEST OF A POWER POLE WITH NO WIRES
AQ2793'ATTACHED, 4.4 M (14.4 FT) SOUTH OF A FENCE LINE AND 4.3 M (14.1 FT)
AQ2793'SOUTH OF A WITNESS POST.

AQ2793

AQ2793

STATION RECOVERY (1996)

AQ2793

AQ2793'RECOVERY NOTE BY FL DEPT OF ENV PRO 1996 (JLM)

AQ2793'THE STATION IS ABOUT 7.0 MI (11.3 KM) SOUTHWEST OF MIDDLEBURG, 6.0 MI
AQ2793'(9.7 KM) NORTHEAST OF STARKE, 0.5 MI (0.8 KM) NORTH OF KINGSLEY LAKE,
AQ2793'0.5 MI (0.8 KM) WEST OF THE MAINE GATE TO CAMP BLANDING, ON THE NORTH
AQ2793'SIDE OF STATE HIGHWAY 16 IN SECTION 10, TOWNSHIP 6 SOUTH, RANGE 23
AQ2793'EAST. TO REACH THE STATION FROM THE POST OFFICE IN MIDDLEBURG, GO WEST
AQ2793'ON PALMETTO STREET FOR 0.05 MI (0.08 KM) TO THE T-JUNCTION OF STATE
AQ2793'HIGHWAY 21, TURN LEFT ON STATE HIGHWAY 21 AND GO SOUTH FOR 3.2 MI (5.1
AQ2793'KM) TO THE JUNCTION OF COUNTY ROAD 215 ON THE RIGHT, TURN RIGHT ON
AQ2793'COUNTY ROAD 215 AND GO SOUTHWEST FOR 6.15 MI (9.90 KM) TO THE JUNCTION
AQ2793'OF STATE HIGHWAY 16, TURN RIGHT ON STATE HIGHWAY 16 AND GO WEST FOR
AQ2793'1.1 MI (1.8 KM) TO THE STATION ON THE RIGHT, A STAINLESS STEEL ROD
AQ2793'DRIVEN INTO THE GROUND. THE STATION MAY ALSO BE REACHED FROM THE
AQ2793'JUNCTION OF STATE HIGHWAY 16 AND COUNTY ROAD 225 JUST NORTH OF
AQ2793'KINGSLEY, GO EAST ON STATE HIGHWAY 16 FOR 1.3 MI (2.1 KM) TO THE
AQ2793'STATION ON THE LEFT. LOCATED 45.3 FT (13.8 M) NORTH OF THE CENTERLINE
AQ2793'OF THE WESTBOUND LANE OF THE HIGHWAY, 43.0 FT (13.1 M) WEST OF A POWER
AQ2793'POLE WITH NO WIRES ATTACHED, 14.4 FT (4.4 M) SOUTH OF A FENCE LINE AND
AQ2793'14.1 FT (4.3 M) SOUTH OF A CARSONITE WITNESS POST. NOTE ACCESS TO
AQ2793'DATUM POINT IS HAD THROUGH A 5-INCH LOGO CAP.

AQ2793

AQ2793

STATION RECOVERY (1997)

AQ2793

AQ2793'RECOVERY NOTE BY DC JOHNSON ASSOC 1997 (CHX)

AQ2793'RECOVERY NOTE BY DC JOHNSON ASSOC (CHX) THE STATION WAS RECOVERED IN
AQ2793'GOOD CONDITION. POWER POLE WITH NO WIRES ATTACHED HAS BEEN REMOVED.
AQ2793'STATION IS 97.6 FT (29.7 M) EAST OF A GUY POLE.

AQ2793

AQ2793

STATION RECOVERY (2002)

AQ2793

AQ2793'RECOVERY NOTE BY DC JOHNSON ASSOC 2002 (ARG)

AQ2793'RECOVERED AS DESCRIBED. (ARG)

AQ2793'

AQ2793

AQ2793

STATION RECOVERY (2005)

AQ2793

AQ2793'RECOVERY NOTE BY FL DEPT OF ENV PRO 2005 (JLM)

AQ2793'THE MARK IS ABOUT 12.2 MI WEST OF PENNEY FARMS, 8.0 MI NORTHEAST OF
AQ2793'STARKE, 0.5 MI NORTH OF KINGSLEY LAKE, IN SECTION 10, TOWNSHIP 6
AQ2793'SOUTH, RANGE 23 EAST.

AQ2793'

AQ2793'TO REACH THE MARK FROM THE INTERSECTION OF U.S. HIGHWAY 301 AND STATE
AQ2793'HIGHWAY 16 (DR. MARTIN LUTHER KING JR. BOULEVARD, EAST BROWNLEE
AQ2793'STREET) IN STARKE, GO EASTERLY ON STATE HIGHWAY 16 (DR. MARTIN LUTHER
AQ2793'KING JR. BOULEVARD, EAST BROWNLEE STREET) FOR 5.4 MI TO THE JUNCTION
AQ2793'OF COUNTY ROAD 230 ON THE RIGHT, CONTINUE NORTHERLY ON STATE HIGHWAY
AQ2793'16 FOR 1.65 MI TO THE JUNCTION OF COUNTY ROAD 225 ON THE LEFT,
AQ2793'CONTINUE EASTERLY ON STATE HIGHWAY 16 FOR 1.3 MI TO THE MARK ON THE
AQ2793'LEFT, A STAINLESS STEEL ROD DRIVEN INTO THE GROUND WITH A NGS LOGO
AQ2793'CAP FLUSH WITH THE GROUND AND ABOUT LEVEL WITH STATE HIGHWAY 16

AQ2793'WESTBOUND LANES, THE DATUM POINT IS RECESSED 0.1 FT BELOW THE NGS LOGO
AQ2793'CAP.

AQ2793'

AQ2793'LOCATED 135.0 FT WEST OF THE APPROXIMATE CENTERLINE OF A TURN-A-ROUND
AQ2793'AND THE EXTENDED CENTERLINE OF THE WEST ENTRANCE GATE (GATE A) TO
AQ2793'CAMP BLANDING MILITARY RESERVATION, 45.3 FT NORTH OF THE CENTERLINE
AQ2793'OF STATE HIGHWAY 16 WESTBOUND LANES, 14.4 FT SOUTH OF A FENCE LINE
AQ2793'AND 13.8 FT SOUTH OF A CARSONITE WITNESS POST.

AQ2793'

AQ2793'NOTE A MAGNET WAS PLACED INSIDE OF THE NGS LOGO CAP.

AQ2793'

AQ2793'NOTE ACCESS TO THE DATUM POINT IS HAD THROUGH A 5-INCH NGS LOGO CAP.

AQ2793

AQ2793

STATION RECOVERY (2006)

AQ2793

AQ2793'RECOVERY NOTE BY M BAKER JR INCORPORATED 2006 (LL)

AQ2793'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

AQ2646 *****

AQ2646 HT_MOD - This is a Height Modernization Survey Station.
 AQ2646 CBN - This is a Cooperative Base Network Control Station.
 AQ2646 DESIGNATION - FLGPS 31
 AQ2646 PID - AQ2646
 AQ2646 STATE/COUNTY- FL/CLAY
 AQ2646 USGS QUAD - PENNEY FARMS (1993)

AQ2646 *CURRENT SURVEY CONTROL

AQ2646*	NAD 83(2007)-	29 58 59.99370(N)	081 45 05.91906(W)	ADJUSTED
AQ2646*	NAVD 88	- 20.74 (meters)	68.0 (feet)	GPS OBS
AQ2646	EPOCH DATE	- 2002.00		
AQ2646	X	- 793,238.641 (meters)		COMP
AQ2646	Y	- 5,471,977.426 (meters)		COMP
AQ2646	Z	- 3,168,769.766 (meters)		COMP
AQ2646	LAPLACE CORR-	-0.88 (seconds)		DEFLEC99
AQ2646	ELLIP HEIGHT-	-7.308 (meters)	(02/10/07)	ADJUSTED
AQ2646	GEOID HEIGHT-	-28.05 (meters)		GEOID03

AQ2646 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----

AQ2646	Type	PID	Designation	North	East	Ellip
AQ2646	NETWORK	AQ2646	FLGPS 31	1.12	0.96	2.25

AQ2646 -----

AQ2646.The horizontal coordinates were established by GPS observations
 AQ2646.and adjusted by the National Geodetic Survey in February 2007.
 AQ2646
 AQ2646.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AQ2646.See National Readjustment for more information.
 AQ2646.The horizontal coordinates are valid at the epoch date displayed above.
 AQ2646.The epoch date for horizontal control is a decimal equivalence
 AQ2646.of Year/Month/Day.
 AQ2646
 AQ2646.The orthometric height was determined by GPS observations and a
 AQ2646.high-resolution geoid model.
 AQ2646.The orthometric height was determined by GPS observations and a
 AQ2646.high-resolution geoid model using precise GPS observation and
 AQ2646.processing techniques. It supersedes the leveled height previously
 AQ2646.determined for this station.
 AQ2646
 AQ2646.Photographs are available for this station.
 AQ2646
 AQ2646.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AQ2646
 AQ2646.The Laplace correction was computed from DEFLEC99 derived deflections.
 AQ2646
 AQ2646.The ellipsoidal height was determined by GPS observations
 AQ2646.and is referenced to NAD 83.

AQ2646

AQ2646.The geoid height was determined by GEOID03.

AQ2646

AQ2646;		North	East	Units	Scale	Factor	Converg.
AQ2646;SPC FL E	-	626,257.744	127,467.749	MT	1.00000606		-0 22 32.3
AQ2646;SPC FL E	-	2,054,647.28	418,200.44	sFT	1.00000606		-0 22 32.3
AQ2646;UTM 17	-	3,317,176.048	427,492.497	MT	0.99966486		-0 22 32.3

AQ2646

AQ2646!	-	Elev Factor	x	Scale Factor	=	Combined Factor
AQ2646!SPC FL E	-	1.00000115	x	1.00000606	=	1.00000721
AQ2646!UTM 17	-	1.00000115	x	0.99966486	=	0.99966601

AQ2646

AQ2646:		Primary Azimuth Mark		Grid Az
AQ2646:SPC FL E	-	FLGPS 31 AZ MK		267 51 07.7
AQ2646:UTM 17	-	FLGPS 31 AZ MK		267 51 07.7

AQ2646

AQ2646	-----			
AQ2646	PID	Reference Object	Distance	Geod. Az
AQ2646				ddmmss.s
AQ2646	AQ2663	FLGPS 31 AZ MK	APPROX. 1.0 KM	2672835.4
AQ2646	-----			

AQ2646

AQ2646 SUPERSEDED SURVEY CONTROL

AQ2646

AQ2646	NAD 83(1999)-	29 58 59.99526(N)	081 45 05.91926(W)	AD()	B
AQ2646	ELLIP H (05/31/01)	-7.319 (m)		GP()	5 1
AQ2646	NAD 83(1990)-	29 58 59.99424(N)	081 45 05.91908(W)	AD()	B
AQ2646	ELLIP H (09/13/90)	-7.363 (m)		GP()	4 1
AQ2646	NAVD 88 (01/23/08)	20.741 (m)	68.05 (f)	ADJUSTED	1 2
AQ2646	NAVD 88 (03/06/97)	20.736 (m)	68.03 (f)	UNKNOWN	1 2
AQ2646	NGVD 29 (09/13/90)	21.1 (m)	69. (f)	GPS OBS	3

AQ2646

AQ2646.Superseded values are not recommended for survey control.

AQ2646.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AQ2646.See file dsdata.txt to determine how the superseded data were derived.

AQ2646

AQ2646 U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMP2749217176(NAD 83)

AQ2646 MARKER: F = FLANGE-ENCASED ROD

AQ2646 SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AQ2646 SP SET: STAINLESS STEEL ROD IN SLEEVE

AQ2646 STAMPING: FLGPS 31 1988

AQ2646 MARK LOGO: NGS

AQ2646 PROJECTION: FLUSH

AQ2646 MAGNETIC: N = NO MAGNETIC MATERIAL

AQ2646 STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AQ2646 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AQ2646+SATELLITE: SATELLITE OBSERVATIONS - November 10, 2006

AQ2646 ROD/PIPE-DEPTH: 24.4 meters

AQ2646 SLEEVE-DEPTH : 0.9 meters

AQ2646

AQ2646	HISTORY	-	Date	Condition	Report By
AQ2646	HISTORY	-	1988	MONUMENTED	NGS
AQ2646	HISTORY	-	19890424	GOOD	
AQ2646	HISTORY	-	19890530	GOOD	
AQ2646	HISTORY	-	19931014	GOOD	NGS
AQ2646	HISTORY	-	19950110	GOOD	KEISCH
AQ2646	HISTORY	-	19960218	GOOD	FLDEP
AQ2646	HISTORY	-	20030820	GOOD	FLDEP
AQ2646	HISTORY	-	20050109	GOOD	FLDEP
AQ2646	HISTORY	-	2006	GOOD	FLDEP

AQ2646 HISTORY - 20061110 GOOD BAKER
AQ2646
AQ2646 STATION DESCRIPTION
AQ2646
AQ2646'DESCRIBED BY NATIONAL GEODETIC SURVEY 1988
AQ2646'THE STATION IS LOCATED ABOUT 41.03 KM (25.50 MI) SOUTH-SOUTHWEST OF
AQ2646'JACKSONVILLE, 7.00 KM (4.35 MI) WEST OF GREEN COVE SPRINGS, ALONG
AQ2646'STATE ROAD 16. OWNERSHIP--STATE ROAD RIGHT-OF-WAY.
AQ2646'TO REACH THE STATION FROM THE INTERSECTION OF U.S. HIGHWAY 17 AND
AQ2646'STATE ROAD 16 IN GREEN COVE SPRINGS, GO WEST FOR 5.15 KM (3.20 MI) ON
AQ2646'STATE ROAD 16 TO THE JUNCTION OF COUNTY ROAD 315 NORTH. CONTINUE
AQ2646'AHHEAD FOR 1.85 KM (1.15 MI) ON STATE ROAD 16 TO THE STATION ON RIGHT.
AQ2646'THE STATION IS RECESSED 10 CM BELOW GROUND. LOCATED 48.68 M
AQ2646'(159.7 FT) WEST FROM A STOP SIGN AT RON ROAD, 6.40 M (21.0 FT) NORTH
AQ2646'FROM THE APPROXIMATE CENTER OF STATE ROAD 16 AND 12.34 M (40.5 FT)
AQ2646'SOUTH FROM A CARSONITE WITNESS POST. NOTE--ACCESS TO DATUM POINT IS
AQ2646'HAD THROUGH A 5-INCH LOGO CAP.
AQ2646'DESCRIBED BY R.L. MALLOY.
AQ2646
AQ2646 STATION RECOVERY (1989)
AQ2646
AQ2646'RECOVERED 1989
AQ2646'RECOVERED IN GOOD CONDITION.
AQ2646
AQ2646 STATION RECOVERY (1989)
AQ2646
AQ2646'RECOVERED 1989
AQ2646'RECOVERED IN GOOD CONDITION.
AQ2646
AQ2646 STATION RECOVERY (1993)
AQ2646
AQ2646'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (RLT)
AQ2646'THE STATION IS ABOUT 25.5 MI (41.0 KM) SOUTH-SOUTHWEST OF
AQ2646'JACKSONVILLE, 4.35 MI (7.00 KM) WEST OF GREEN COVE SPRINGS IN SECTION
AQ2646'12, TOWNSHIP 6 SOUTH, RANGE 25 EAST. OWNERSHIP--STATE ROAD 16
AQ2646'RIGHT-OF-WAY. TO REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAY
AQ2646'17 (ORANGE AVENUE) AND STATE ROAD 16 (FERRIS STREET) IN GREEN COVE
AQ2646'SPRINGS, GO WEST ON STATE ROAD 16 (FERRIS STREET) FOR 3.25 MI (5.23
AQ2646'KM) TO THE JUNCTION OF COUNTY ROAD 315 NORTH ON THE RIGHT, CONTINUE
AQ2646'WEST ON STATE ROAD 16 FOR 0.50 MI (0.80 KM) TO THE JUNCTION OF COUNTY
AQ2646'ROAD 315 SOUTH ON THE LEFT, CONTINUE WEST ON STATE ROAD 16 FOR 0.70 MI
AQ2646'(1.13 KM) TO THE STATION ON THE RIGHT, RECESSED 0.8 FT (24.4 CM) BELOW
AQ2646'THE LEVEL OF THE GROUND. LOCATED 159.7 FT (48.7 M) WEST OF THE STOP
AQ2646'SIGN AT RON ROAD, 41.0 FT (12.5 M) SOUTH OF THE WOOD FENCE, 40.5 FT
AQ2646'(12.3 M) SOUTH OF A CARSONITE WITNESS POST AND 20.6 FT (6.3 M) NORTH
AQ2646'OF THE APPROXIMATE CENTERLINE OF STATE ROAD 16. NOTE---ACCESS TO DATUM
AQ2646'POINT IS HAD THROUGH A 5-INCH LOGO CAP.
AQ2646
AQ2646 STATION RECOVERY (1995)
AQ2646
AQ2646'RECOVERY NOTE BY KEITH AND SCHNARS - LAKELAND 1995 (JFO)
AQ2646'RECOVERED AS DESCRIBED.
AQ2646
AQ2646 STATION RECOVERY (1996)
AQ2646
AQ2646'RECOVERY NOTE BY FL DEPT OF ENV PRO 1996 (JLM)
AQ2646'THE STATION IS ABOUT 8.6 MI (13.8 KM) SOUTHEAST OF MIDDLEBURG, 4.4 MI
AQ2646'(7.1 KM) WEST OF GREEN COVE SPRINGS, 3.6 MI (5.8 KM) EAST OF PENNY
AQ2646'FARMS ON STATE ROAD 16 IN SECTION 12, TOWNSHIP 6 SOUTH, RANGE 25 EAST.
AQ2646'TO REACH THE STATION FROM THE POST OFFICE ON LEWIS AVENUE IN PENNY

AQ2646' FARMS, GO NORTH ON LEWIS AVENUE FOR 0.2 MI (0.3 KM) TO THE JUNCTION OF
AQ2646' STATE ROAD 16, TURN RIGHT ON STATE ROAD 16 AND GO EAST FOR 3.55 MI
AQ2646' (5.71 KM) TO THE STATION ON THE RIGHT, RECESSED 0.4 FT (12.2 CM) BELOW
AQ2646' THE GROUND. THE STATION CAN ALSO BE REACHED FROM THE INTERSECTION OF
AQ2646' U.S. HIGHWAY 17 AND STATE ROAD 16 IN GREEN COVE SPRINGS, GO WEST ON
AQ2646' STATE ROAD 16 FOR 3.2 MI (5.1 KM) TO THE JUNCTION OF COUNTY ROAD 315
AQ2646' NORTH, CONTINUE WEST ON STATE ROAD 16 FOR 1.15 MI (1.85 KM) TO THE
AQ2646' STATION ON THE RIGHT. LOCATED 159.7 FT (48.7 M) WEST OF A STOP SIGN AT
AQ2646' RON ROAD, 40.5 FT (12.3 M) SOUTH OF A CARSONITE WITNESS POST AND 21.0
AQ2646' FT (6.4 M) NORTH OF THE APPROXIMATE CENTERLINE OF STATE ROAD 16, NOTE
AQ2646' ACCESS TO DATUM POINT IS HAD THROUGH A 5-INCH LOGO CAP.

AQ2646

AQ2646 STATION RECOVERY (2003)

AQ2646

AQ2646' RECOVERY NOTE BY FL DEPT OF ENV PRO 2003 (JLM)

AQ2646' RECOVERED IN GOOD CONDITION.

AQ2646'

AQ2646' MARK NOT LEVELED TO FOR TIE.

AQ2646

AQ2646 STATION RECOVERY (2005)

AQ2646

AQ2646' RECOVERY NOTE BY FL DEPT OF ENV PRO 2005 (JLM)

AQ2646' RECOVERED AS DESCRIBED. NOTE A MAGNET WAS PLACED INSIDE OF THE NGS

AQ2646' LOGO CAP.

AQ2646

AQ2646 STATION RECOVERY (2006)

AQ2646

AQ2646' RECOVERY NOTE BY FL DEPT OF ENV PRO 2006 (RH)

AQ2646' RECOVERED IN GOOD CONDITION.

AQ2646

AQ2646 STATION RECOVERY (2006)

AQ2646

AQ2646' RECOVERY NOTE BY M BAKER JR INCORPORATED 2006 (LL)

AQ2646' RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

AQ0208 *****

AQ0208 DESIGNATION - ELLZEY

AQ0208 PID - AQ0208

AQ0208 STATE/COUNTY- FL/ST JOHNS

AQ0208 USGS QUAD - BAKERSVILLE (1992)

AQ0208

AQ0208 *CURRENT SURVEY CONTROL

AQ0208

AQ0208* NAD 83 (1990) - 29 55 05.90616 (N) 081 24 54.13267 (W) ADJUSTED

AQ0208* NAVD 88 - 13.822 (meters) 45.35 (feet) ADJUSTED

AQ0208

AQ0208 LAPLACE CORR- -1.45 (seconds) DEFLEC99

AQ0208 GEOID HEIGHT- -28.41 (meters) GEOID03

AQ0208 DYNAMIC HT - 13.804 (meters) 45.29 (feet) COMP

AQ0208 MODELED GRAV- 979,322.1 (mgal) NAVD 88

AQ0208

AQ0208 HORZ ORDER - FIRST

AQ0208 VERT ORDER - SECOND CLASS I

AQ0208

AQ0208.The horizontal coordinates were established by classical geodetic methods and adjusted by the National Geodetic Survey in May 1991.

AQ0208

AQ0208.The orthometric height was determined by differential leveling and adjusted in June 1991.

AQ0208

AQ0208.The Laplace correction was computed from DEFLEC99 derived deflections.

AQ0208

AQ0208.The geoid height was determined by GEOID03.

AQ0208

AQ0208.The dynamic height is computed by dividing the NAVD 88

AQ0208.geopotential number by the normal gravity value computed on the

AQ0208.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AQ0208.degrees latitude (g = 980.6199 gals.).

AQ0208

AQ0208.The modeled gravity was interpolated from observed gravity values.

AQ0208

AQ0208; North East Units Scale Factor Converg.

AQ0208;SPC FL E - 618,884.743 159,924.060 MT 0.99996098 -0 12 25.2

AQ0208;SPC FL E - 2,030,457.69 524,684.19 sFT 0.99996098 -0 12 25.2

AQ0208;UTM 17 - 3,309,805.564 459,937.733 MT 0.99961980 -0 12 25.2

AQ0208

AQ0208! - Elev Factor x Scale Factor = Combined Factor

AQ0208!SPC FL E - 1.00000229 x 0.99996098 = 0.99996327

AQ0208!UTM 17 - 1.00000229 x 0.99961980 = 0.99962209

AQ0208

PID	Reference Object	Distance	Geod. Az
			ddmmss.s
AQ0208	CW3616 ELLZEY RM 3	35.860 METERS	02735
AQ0208	AQ0210 ELLZEY RM 4	25.792 METERS	03931
AQ0208	CW3615 ELLZEY RM 1	62.621 METERS	07854

```

AQ0208 AQ2042 ST AUGUSTINE FEC RR SHOPS TANK APPROX. 8.1 KM 0810118.8
AQ0208 AQ0204 I95 72 B58 294.129 METERS 10210
AQ0208 AQ2024 ST AUGUSTINE MUNICIPAL SPIPE APPROX.10.2 KM 1042753.5
AQ0208 AQ2035 ST AUGUSTINE GRACE ME CH APPROX.10.0 KM 1045752.3
AQ0208 AQ2027 ST AUGUSTINE CATH CH CROSS APPROX.10.3 KM 1055402.0
AQ0208 AQ2030 ST AUGUSTINE FLAGLER MEM CH APPROX. 9.9 KM 1055806.1
AQ0208 AQ2036 ST AUGUSTINE PONCE HTL E CUP APPROX.10.1 KM 1061625.7
AQ0208 AQ2062 BP 114 RESET 1966 APPROX. 0.8 KM 1080352.7
AQ0208 CW3614 ELLZEY AZ MK RESET 1090731.4
AQ0208 AQ2045 WEST AUGUSTINE MUNICIPAL TANK APPROX. 8.7 KM 1100609.0
AQ0208 AQ0209 ELLZEY RM 2 48.389 METERS 15152
AQ0208 CW3613 ELLZEY AZ MK 2831916.6
    
```

AQ0208 -----

AQ0208

AQ0208 SUPERSEDED SURVEY CONTROL

AQ0208

AQ0208 NAD 83 (1986) - 29 55 05.91266 (N) 081 24 54.14290 (W) AD() 1

AQ0208 NAD 27 - 29 55 05.03200 (N) 081 24 54.86600 (W) AD() 1

AQ0208 NGVD 29 (??/??/92) 14.135 (m) 46.37 (f) ADJ UNCH 2 1

AQ0208

AQ0208.Superseded values are not recommended for survey control.

AQ0208.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AQ0208.See file dsdata.txt to determine how the superseded data were derived.

AQ0208

AQ0208_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMP5993809806 (NAD 83)

AQ0208_MARKER: DS = TRIANGULATION STATION DISK

AQ0208_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AQ0208_SP_SET: CONCRETE MONUMENT

AQ0208_STAMPING: ELLZEY 1933

AQ0208_MARK LOGO: CGS

AQ0208_MAGNETIC: N = NO MAGNETIC MATERIAL

AQ0208_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AQ0208+STABILITY: SURFACE MOTION

AQ0208_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AQ0208+SATELLITE: SATELLITE OBSERVATIONS - April 24, 2000

AQ0208

AQ0208	HISTORY	- Date	Condition	Report By
--------	---------	--------	-----------	-----------

AQ0208	HISTORY	- 1933	MONUMENTED	CGS
--------	---------	--------	------------	-----

AQ0208	HISTORY	- 1950	GOOD	CGS
--------	---------	--------	------	-----

AQ0208	HISTORY	- 1962	GOOD	CGS
--------	---------	--------	------	-----

AQ0208	HISTORY	- 1966	GOOD	CGS
--------	---------	--------	------	-----

AQ0208	HISTORY	- 1973	GOOD	NGS
--------	---------	--------	------	-----

AQ0208	HISTORY	- 1973	GOOD	FLDT
--------	---------	--------	------	------

AQ0208	HISTORY	- 19990913	GOOD	FLDEP
--------	---------	------------	------	-------

AQ0208	HISTORY	- 20000424	GOOD	FLDEP
--------	---------	------------	------	-------

AQ0208

AQ0208 STATION DESCRIPTION

AQ0208

AQ0208'DESCRIBED BY COAST AND GEODETIC SURVEY 1933 (HCW)

AQ0208'THE STATION IS ABOUT 6 MILES WNW OF ST. AUGUSTINE, FLORIDA,

AQ0208'IN THE FORKS OF ROAD FORMED BY STATE HIGHWAY 48 NW AND A

AQ0208'GRADED ROAD W, ON THE PROPERTY OF MR. T. F. ELLZEY AND

AQ0208'ABOUT 75 YARDS E OF HIS HOME.

AQ0208'

AQ0208'SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE

AQ0208'STANDARD BRONZE DISKS SET IN CONCRETE.

AQ0208'

AQ0208'REFERENCE MARK NO.1 IS NE OF THE STATION, 37 FEET N OF

AQ0208'THE CENTER LINE OF STATE HIGHWAY 48, 72 PACES NE OF THE

AQ0208'ROAD INTERSECTION, 1 FOOT N OF A FENCE LINE, AT THE EDGE

AQ0208'OF A CULTIVATED FIELD AND PROJECTS 3 INCHES ABOVE THE GROUND.
AQ0208'

AQ0208'REFERENCE MARK NO.2 IS SE OF THE STATION, 54 FEET S OF THE
AQ0208'CENTER LINE OF THE PAVED ROAD, 106 FEET S OF THE SMALL
AQ0208'HOUSE AT THE INTERSECTION AND PROJECTS 6 INCHES ABOVE
AQ0208'THE GROUND.

AQ0208'

AQ0208'THE AZIMUTH MARK IS ABOUT 0.4 MILE W OF THE STATION,
AQ0208'45 FEET S OF THE CENTER LINE OF THE GRADED ROAD, 33 FEET
AQ0208'W OF A TELEPHONE POLE AND PROJECTS 4 INCHES ABOVE THE GROUND.
AQ0208'

AQ0208'REACHED FROM ST. AUGUSTINE BY U.S. HIGHWAY 1 N ABOUT 2
AQ0208'MILES TO THE JUNCTION WITH STATE HIGHWAY 48 KNOWN AS THE
AQ0208'GREEN COVE SPRING ROAD, TURN LEFT AND FOLLOW STATE
AQ0208'HIGHWAY 48, 5.3 MILES TO THE STATION. THE MARK IS 155
AQ0208'FEET W OF A SMALL EMPTY HOUSE IN THE FORKS AT THE
AQ0208'INTERSECTION, 61 FEET N OF THE CENTER LINE OF THE GRADED
AQ0208'ROAD, 156 FEET S OF THE CENTER LINE OF STATE HIGHWAY 48
AQ0208'(PAVED), 112 PACES W OF THE ROAD INTERSECTION AND 75 FEET
AQ0208'SE OF A GATE IN THE WIRE FENCE ALONG THE SE EDGE OF
AQ0208'MR. ELLZEYS GARDEN. THE MARK PROJECTS 4 INCHES ABOVE
AQ0208'THE GROUND.

AQ0208'

AQ0208'A 116-FOOT TOWER WAS ERECTED.

AQ0208

AQ0208

STATION RECOVERY (1950)

AQ0208

AQ0208'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1950 (HFG)
AQ0208'STATION AND REFERENCE MARKS WERE RECOVERED IN GOOD
AQ0208'CONDITION. THE DISTANCES TO THE REFERENCE MARKS WERE
AQ0208'MEASURED WITH A STEEL TAPE. THE DISTANCE TO R.M. 1
AQ0208'WAS FOUND TO BE 204.30 FEET INSTEAD OF 205.45 AS DESCRIBED. THE
AQ0208'DISTANCE TO R.M. 2 WAS CORRECT. THE AZIMUTH MARK
AQ0208'WAS NOT RECOVERED AFTER AN HOURS SEARCH BY TWO MEN. IT IS
AQ0208'PROBABLY STILL IN PLACE BUT COVERED BY SAND AND GRASS.

AQ0208'

AQ0208'THE ORIGINAL DESCRIPTION IS INADEQUATE, A NEW DESCRIPTION
AQ0208'FOLLOWS--

AQ0208'

AQ0208'STATION IS LOCATED ABOUT 5.0 MILES NW OF ST. AUGUSTINE,
AQ0208'IN THE FORKS OF THE ROAD FORMED BY THE JUNCTION OF STATE
AQ0208'HIGHWAY 16 WITH A PAVED COUNTY ROAD TO PICOLATA, ON THE
AQ0208'PROPERTY OF JOHN F. HINZ, ABOUT 75 YARDS E OF HIS
AQ0208'RESIDENCE, 282.3 FEET W OF THE EDGE OF THE PAVEMENT AT THE
AQ0208'INTERSECTION OF STATE HIGHWAY 16 AND THE COUNTY ROAD,
AQ0208'152.0 FEET S OF THE CENTER LINE OF STATE HIGHWAY 16,
AQ0208'62.0 FEET N OF THE CENTER LINE OF THE COUNTY ROAD, 61.5
AQ0208'FEET S OF THE NW CORNER POST OF A LARGE SIGNBOARD, AND
AQ0208'77.8 FEET E OF THE SE CORNER OF A SHED. MARK IS STAMPED
AQ0208'ELLZEY 1933. IT IS A BRONZE STATION DISK SET IN CONCRETE.
AQ0208'

AQ0208'R.M. 1 IS NE OF THE STATION, 163.5 FEET W OF THE EDGE OF
AQ0208'THE PAVEMENT, AT THE INTERSECTION OF STATE HIGHWAY 16
AQ0208'AND THE COUNTY ROAD, 37.5 FEET N OF THE CENTER LINE OF
AQ0208'THE HIGHWAY, AND 5.0 FEET E OF A TELEPHONE POLE. IT IS
AQ0208'A BRONZE REFERENCE DISK, STAMPED ELLZEY NO 1 1933, SET IN
AQ0208'CONCRETE.

AQ0208'

AQ0208'R.M. 2 IS SE OF THE STATION, 185.3 FEET W OF THE EDGE OF
AQ0208'THE PAVEMENT, AT THE INTERSECTION OF STATE HIGHWAY 16 AND

AQ0208'THE COUNTY ROAD, AND 52.6 FEET S OF THE CENTER LINE OF THE
AQ0208'COUNTY ROAD. IT IS A BRONZE REFERENCE DISK, STAMPED
AQ0208'ELLZEY NO 2 1933, SET IN CONCRETE.

AQ0208

AQ0208

STATION RECOVERY (1962)

AQ0208

AQ0208'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1962 (SCM)
AQ0208'STATION MARK AND REFERENCE MARK NO. 2 WERE RECOVERED AND
AQ0208'FOUND IN GOOD CONDITION. REFERENCE MARK NO. 1 AND THE
AQ0208'AZIMUTH MARK WERE NOT RECOVERED AND ARE BELIEVED TO HAVE
AQ0208'BEEN DESTROYED DUE TO CULTIVATION AND THE WIDENING OF
AQ0208'HIGHWAY. REFERENCE MARK NO. 3 AND A NEW AZIMUTH MARK
AQ0208'WERE ESTABLISHED AT THIS TIME. THE STATION IS ON PROPERTY
AQ0208'NOW OWNED AND OCCUPIED BY MR. JOHN F. HINZ, SR. DUE TO
AQ0208'HIGHWAY NUMBERS BEING CHANGED A COMPLETE NEW DESCRIPTION
AQ0208'FOLLOWS--STATION IS LOCATED ABOUT 5.0 MILES
AQ0208'WEST-NORTHWEST OF ST. AUGUSTINE, IN THE FORK OF ROADS
AQ0208'FORMED BY STATE HIGHWAY 16 AND COUNTY ROUTE 208. IT IS
AQ0208'ABOUT 75 YARDS SOUTH OF MR. HINZS RESIDENCE, 280 FEET
AQ0208'WEST OF THE INTERSECTION OF STATE HIGHWAY 16 AND COUNTY
AQ0208'ROUTE 208, 150 FEET SOUTHWEST OF THE CENTER OF STATE
AQ0208'HIGHWAY 16, 62 FEET NORTH OF THE CENTER OF COUNTY ROUTE
AQ0208'208 AND 1.3 FEET SOUTH OF A METAL WITNESS POST AND SIGN.
AQ0208'THE MARK IS A STANDARD DISK, SET IN THE TOP OF A SQUARE
AQ0208'CONCRETE MONUMENT PROJECTING 2 INCHES AND IS
AQ0208'STAMPED ELLZEY 1933.

AQ0208'

AQ0208'TO REACH FROM THE INTERSECTION OF U.S. HIGHWAY 1 AND STATE
AQ0208'HIGHWAY 16 ON THE NORTHWEST EDGE OF ST. AUGUSTINE, GO
AQ0208'WESTERLY ON STATE HIGHWAY 16 FOR 5.0 MILES TO AZIMUTH MARK
AQ0208'ON LEFT, CONTINUE STRAIGHT AHEAD FOR 0.3 MILE TO THE
AQ0208'INTERSECTION OF HIGHWAY 16 AND COUNTY ROUTE 208, KEEP LEFT
AQ0208'ON ROUTE 208 FOR 280 FEET TO STATION ON THE RIGHT.

AQ0208'

AQ0208'REFERENCE MARK NO. 2 IS ABOUT 185 FEET WEST OF THE
AQ0208'INTERSECTION OF HIGHWAY 16 AND COUNTY ROUTE 208, 52 FEET
AQ0208'SOUTH OF THE CENTER LINE OF ROUTE 208, 10 FEET WEST OF AN
AQ0208'8 INCH PINE TREE AND 1-1/2 FEET EAST OF A 4 INCH PINE TREE. THE
AQ0208'MARK IS A STANDARD DISK, SET IN THE TOP OF A SQUARE
AQ0208'CONCRETE MONUMENT PROJECTING 2 INCHES AND IS STAMPED
AQ0208'ELLZEY NO 2 1933.

AQ0208'

AQ0208'REFERENCE MARK NO. 3 IS 35 FEET SOUTHWEST OF THE CENTER
AQ0208'OF STATE HIGHWAY 16 AND 116-1/2 FEET NORTHEAST OF THE
AQ0208'METAL WITNESS POST AND SIGN. THE MARK IS A STANDARD DISK,
AQ0208'SET IN THE TOP OF A SQUARE CONCRETE MONUMENT PROJECTING
AQ0208'5 INCHES AND IS STAMPED ELLZEY NO 3 1933.

AQ0208'

AQ0208'AZIMUTH MARK IS 39 FEET SOUTH OF THE CENTER OF STATE
AQ0208'HIGHWAY 16, 20 FEET SOUTHEAST OF POWER POLE NO. 79,
AQ0208'3-1/2 FEET SOUTHWEST OF A WOOD WITNESS POST AND METAL SIGN
AQ0208'AND 1 FOOT NORTH OF A FENCE LINE. THE MARK IS A STANDARD
AQ0208'DISK, SET IN THE TOP OF A SQUARE CONCRETE MONUMENT
AQ0208'PROJECTING 2 INCHES AND IS STAMPED ELLZEY 1933 RESET 1962.

AQ0208'

AQ0208'HEIGHT OF LIGHT PLATE ABOVE STATION MARK 34.20 METERS.

AQ0208

AQ0208

STATION RECOVERY (1966)

AQ0208

AQ0208'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1966 (JB)

AQ0208'RECOVERED ALL MARKS IN GOOD CONDITION ESSENTIALLY AS
 AQ0208'DESCRIBED BY S.C.M. IN 1962 EXCEPT THAT NO. 3 R.M. WAS
 AQ0208'FOUND DESTROYED. R.M. NO. 4 WAS ESTABLISHED.
 AQ0208'
 AQ0208'SINCE HWY. CONSTRUCTION DOOMED THE 1962 AZI. MARK, THE DISK OF
 AQ0208'WHICH WAS RECLAIMED.
 AQ0208'
 AQ0208'ABOUT 6-1/2 MILES AIR LINE WNW OF THE HEART OF DOWNTOWN
 AQ0208'ST. AUGUSTINE OR ABOUT 0.10 MILE W ALONG NO. 16 FLA. HWY.
 AQ0208'FROM ITS INTERSECTION (AND 4-WAY INTERCHANGE) WITH NO. 95
 AQ0208'INTERSTATE HWY., THENCE ABOUT 0.05 MILE W ALONG NO. S-208
 AQ0208'FLA. HWY. TO THE MARK ON RIGHT, 62 FEET N OF CENTER LINE
 AQ0208'OF 20-FOOT ASPHALT PAVEMENT OF THE LAST-SAID HWY., ABOUT
 AQ0208'LEVEL WITH SAME, 40 FEET E OF PROJECTED LINE OF
 AQ0208'PROPERTY-LINE AND WOODS-FIELD FENCE FROM THE S, AND 1.3 FEET
 AQ0208'S OF STEEL WITNESS POST, STANDARD DISKS STAMPED ELLZEY 1933
 AQ0208'ARE SET MARKS WITH THE FORMER PROJECTING 0.3
 AQ0208'FOOT ABOVE GROUND.
 AQ0208'
 AQ0208'R.M. NO. 2 IS 53 FEET S OF CENTER LINE OF HWY., ABOUT 0.3
 AQ0208'FOOT LOWER THAN SAME, 70 FEET W OF PROJECTED CENTER LINE
 AQ0208'OF A 30-INCH CONCRETE PIPE CULVERT, AND 2.2 FEET WSW OF A
 AQ0208'STEEL WITNESS POST. THE MARK PROJECTS ABOUT 0.3 FOOT
 AQ0208'ABOVE GROUND.
 AQ0208'
 AQ0208'R.M. NO. 4 IS THE RECLAIMED DISK OF NO. 3 R.M. SET IN A
 AQ0208'NEW MARK, 67 FEET SW OF C/L OF NO. 16 FLA. HWY., 0.6 FOOT
 AQ0208'LOWER THAN SAME, 8-1/4 FEET WSW OF CREOSOTED TENSION-BRACE
 AQ0208'POWER POLE, 6.3 FEET NW OF PROPERTY CORNER, 3 FEET NW OF
 AQ0208'THE PLANE OF POLE AND GUY WIRE, 1.9 FEET SSE OF STEEL
 AQ0208'WITNESS POST, AND PROJECTING JUST SLIGHTLY ABOVE GROUND.
 AQ0208'
 AQ0208'TRAVERSE STATION AND BENCH MARK IS A STANDARD COAST SURVEY
 AQ0208'AND STATE SURVEY DISK STAMPED BP 114 RESET 1966 SET IN TOP
 AQ0208'OF ROUND CONCRETE POST, FLUSH WITH THE GROUND (ONLY A
 AQ0208'SURFACE MARK WAS SET), S 71 DEG 56 MIN 11.1 SEC E
 AQ0208'FROM THE STATION, 67 FEET S OF CENTER LINE OF HWY., 0.5
 AQ0208'FOOT LOWER THAN SAME, ABOUT 45 YARDS W OF CENTER LINE OF
 AQ0208'DRIVEWAY ON S SIDE OF HWY., 12.3 FEET N OF FENCE CORNER,
 AQ0208'3 FEET E OF PROPERTY CORNER, 2.8 FEET W OF A STEEL WITNESS
 AQ0208'POST, AND ONE FOOT E OF PROJECTED LINE OF A FENCE FROM THE S.
 AQ0208'
 AQ0208'BP 114 RESET 1966 (FLA.GEOD.S.) WAS ESTABLISHED AS A NEW
 AQ0208'AZIMUTH MARK.
 AQ0208'
 AQ0208'AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN
 AQ0208'6-1/2 MILES WNW OF HEART OF ST. AUGUSTINE.
 AQ0208
 AQ0208 STATION RECOVERY (1973)
 AQ0208
 AQ0208'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1973 (CBM)
 AQ0208'ALL MARKS RECOVERED IN GOOD CONDITION, AS DESCRIBED BY J. BULL
 AQ0208'IN 1966.
 AQ0208
 AQ0208 STATION RECOVERY (1973)
 AQ0208
 AQ0208'RECOVERY NOTE BY FLORIDA DEPARTMENT OF TRANSPORTATION 1973
 AQ0208'5.5 MI W FROM ST AUGUSTINE.
 AQ0208'FROM THE INTERSECTION OF U.S. 1 AND STATE ROAD 16 IN ST. AUGUSTINE
 AQ0208'PROCEED WEST FOR ABOUT 5.5 MILES TO THE INTERSECTION OF COUNTY

AQ0208'ROAD 208 AND STATION, WHICH IS SET IN THE TOP OF A CONCRETE
AQ0208'MONUMENT FLUSH WITH AN OBSERVERS CONCRETE PLATFORM BUILT AROUND
AQ0208'STATION (TRIANGLE SHAPED). IT IS 10.3 FEET EAST SOUTH EAST OF
AQ0208'A METAL WITNESS POST, 46.0 FEET NORTH WEST OF CENTERLINE OF COUNTY
AQ0208'ROAD 208, 280 FEET WEST OF THE INTERSECTION OF STATE ROAD 16
AQ0208'AND COUNTY ROAD 208 AND 150 FEET SOUTH WEST OF CENTERLINE OF
AQ0208'STATE ROAD 16. SECTION 6, T 7S, R 29E.

AQ0208

AQ0208 STATION RECOVERY (1999)

AQ0208

AQ0208'RECOVERY NOTE BY FL DEPT OF ENV PRO 1999

AQ0208'RECOVERED AS DESCRIBED.

AQ0208

AQ0208 STATION RECOVERY (2000)

AQ0208

AQ0208'RECOVERY NOTE BY FL DEPT OF ENV PRO 2000 (PBM)

AQ0208'RECOVERED AS DESCRIBED.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

AR1849 *****

AR1849 CBN - This is a Cooperative Base Network Control Station.

AR1849 PACS - This is a Primary Airport Control Station.

AR1849 DESIGNATION - KEYPORT

AR1849 PID - AR1849

AR1849 STATE/COUNTY- FL/CLAY

AR1849 USGS QUAD - KEYSTONE HEIGHTS (1993)

AR1849

*CURRENT SURVEY CONTROL

AR1849

AR1849* NAD 83(2007) - 29 50 25.35244(N) 082 02 45.52697(W) ADJUSTED

AR1849* NAVD 88 - 55.576 (meters) 182.34 (feet) ADJUSTED

AR1849

AR1849 EPOCH DATE - 2002.00

AR1849 X - 766,215.774 (meters) COMP

AR1849 Y - -5,483,836.479 (meters) COMP

AR1849 Z - 3,155,051.296 (meters) COMP

AR1849 LAPLACE CORR- -0.23 (seconds) DEFLEC99

AR1849 ELLIP HEIGHT- 27.691 (meters) (02/10/07) ADJUSTED

AR1849 GEOID HEIGHT- -27.90 (meters) GEOID03

AR1849 DYNAMIC HT - 55.502 (meters) 182.09 (feet) COMP

AR1849

AR1849 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----

Type	PID	Designation	North	East	Ellip
NETWORK	AR1849	KEYPORT	0.45	0.45	1.53

AR1849 -----

AR1849 NETWORK AR1849 KEYPORT 0.45 0.45 1.53

AR1849 -----

AR1849 MODELED GRAV- 979,312.4 (mgal) NAVD 88

AR1849

AR1849 VERT ORDER - SECOND CLASS I

AR1849

AR1849.This mark is at Keystone Heights Airport (42J)

AR1849

AR1849.The horizontal coordinates were established by GPS observations

AR1849.and adjusted by the National Geodetic Survey in February 2007.

AR1849

AR1849.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).

AR1849.See National Readjustment for more information.

AR1849.The horizontal coordinates are valid at the epoch date displayed above.

AR1849.The epoch date for horizontal control is a decimal equivalence

AR1849.of Year/Month/Day.

AR1849

AR1849.The orthometric height was determined by differential leveling

AR1849.and adjusted in September 1997.

AR1849

AR1849.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AR1849

AR1849.The Laplace correction was computed from DEFLEC99 derived deflections.

AR1849

AR1849.The ellipsoidal height was determined by GPS observations

AR1849.and is referenced to NAD 83.

AR1849

AR1849.The geoid height was determined by GEOID03.

AR1849

AR1849.The dynamic height is computed by dividing the NAVD 88

AR1849.geopotential number by the normal gravity value computed on the

AR1849.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AR1849.degrees latitude (g = 980.6199 gals.).

AR1849

AR1849.The modeled gravity was interpolated from observed gravity values.

AR1849

AR1849;	North	East	Units	Scale	Factor	Converg.
AR1849;SPC FL E	- 610,633.238	98,919.275	MT	1.00006719	-0 31	13.8
AR1849;SPC FL E	- 2,003,385.88	324,537.65	sFT	1.00006719	-0 31	13.8
AR1849;SPC FL N	- 95,705.467	837,130.605	MT	0.99996461	+1 13	59.6
AR1849;SPC FL N	- 313,993.69	2,746,485.99	sFT	0.99996461	+1 13	59.6
AR1849;UTM 17	- 3,301,556.874	398,953.763	MT	0.99972597	-0 31	13.8

AR1849

AR1849!	Elev Factor	x	Scale Factor	=	Combined Factor
AR1849!SPC FL E	- 0.99999565	x	1.00006719	=	1.00006284
AR1849!SPC FL N	- 0.99999565	x	0.99996461	=	0.99996026
AR1849!UTM 17	- 0.99999565	x	0.99972597	=	0.99972162

AR1849

AR1849:	Primary Azimuth Mark	Grid Az
AR1849:SPC FL E	- KEYPORT AZ MK	225 39 02.8
AR1849:SPC FL N	- KEYPORT AZ MK	223 53 49.4
AR1849:UTM 17	- KEYPORT AZ MK	225 39 02.8

AR1849

AR1849	PID	Reference Object	Distance	Geod. Az
AR1849				dddmmss.s
AR1849	AR1877	KEYPORT AZ MK	APPROX. 0.6 KM	2250749.0

AR1849

SUPERSEDED SURVEY CONTROL

AR1849

AR1849	NAD 83(1999)-	29 50 25.35295(N)	082 02 45.52728(W)	AD() B
AR1849	ELLIP H (05/31/01)	27.681 (m)		GP() 5 1
AR1849	NAD 83(1990)-	29 50 25.35197(N)	082 02 45.52692(W)	AD() B
AR1849	ELLIP H (09/13/90)	27.706 (m)		GP() 4 1
AR1849	NAVD 88 (03/20/98)	55.58 (m)	182.3 (f)	LEVELING 3
AR1849	NGVD 29 (09/13/90)	56.0 (m)	184. (f)	GPS OBS 3

AR1849

AR1849.Superseded values are not recommended for survey control.

AR1849.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AR1849.See file dsdata.txt to determine how the superseded data were derived.

AR1849

AR1849_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RLP9895401557(NAD 83)

AR1849_MARKER: I = METAL ROD

AR1849_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AR1849_SP_SET: STAINLESS STEEL ROD IN SLEEVE

AR1849_STAMPING: KEYPORT 1988

AR1849_MARK LOGO: NGS

AR1849_PROJECTION: FLUSH

AR1849_MAGNETIC: N = NO MAGNETIC MATERIAL

AR1849_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL

AR1849_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AR1849+SATELLITE: SATELLITE OBSERVATIONS - November 10, 2006

AR1849_ROD/PIPE-DEPTH: 32.0 meters

AR1849_SLEEVE-DEPTH : 0.9 meters

AR1849

AR1849	HISTORY	- Date	Condition	Report By
AR1849	HISTORY	- 1988	MONUMENTED	NGS
AR1849	HISTORY	- 19890424	GOOD	
AR1849	HISTORY	- 19890601	GOOD	
AR1849	HISTORY	- 19951208	GOOD	NGS
AR1849	HISTORY	- 19951208	GOOD	NGS
AR1849	HISTORY	- 19960416	GOOD	FLDEP
AR1849	HISTORY	- 19970502	GOOD	DCJOHN
AR1849	HISTORY	- 20020423	GOOD	DCJOHN
AR1849	HISTORY	- 20061110	GOOD	BAKER

AR1849

AR1849

STATION DESCRIPTION

AR1849

AR1849'DESCRIBED BY NATIONAL GEODETIC SURVEY 1988

AR1849'THE STATION IS LOCATED ABOUT 6.44 KM (4.00 MI) NORTH-NORTHWEST OF
AR1849'KEYSTONE HEIGHTS, AT THE KEYSTONE AIRPARK, IN SECTION 31, T 7 S, R 28
AR1849'E, BETWEEN RUNWAY 04-22 AND A TAXIWAY, NEAR THE WINDSOCK.

AR1849'OWNERSHIP--CITY OF KEYSTONE HEIGHTS, P.O. BOX 336, KEYSTONE HEIGHTS FL
AR1849'32656, JIM YOUNG - AIRPORT MANAGER, PHONE 904-473-2178.

AR1849'NOTE--PERMISSION MUST BE OBTAINED BEFORE ENTERING AIRPORT.

AR1849'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAYS 21 AND

AR1849'100 IN KEYSTONE HEIGHTS, GO NORTHWEST, THEN NORTHERLY FOR 5.07 KM

AR1849'(3.15 MI) ON HIGHWAY 100 TO THE GEORGIA SOUTHERN AND FLORIDA RAILROAD

AR1849'CROSSING. CONTINUE STRAIGHT AHEAD AND GO NORTHERLY FOR 1.77 KM

AR1849'(1.10 MI) ON HIGHWAY 100 TO A PAVED ROAD RIGHT, AIRPORT SIGN ON RIGHT.

AR1849'TURN RIGHT AND GO EASTERLY FOR 2.01 KM (1.25 MI) ON THE PAVED ROAD TO

AR1849'A SHARP CURVE RIGHT. BEAR RIGHT AND GO SOUTHERLY FOR 0.08 KM

AR1849'(0.05 MI) ON THE PAVED ROAD TO A DIRT ROAD LEFT. TURN LEFT AND GO

AR1849'EASTERLY, THEN NORTHERLY FOR 0.32 KM (0.20 MI) ON THE DIRT ROAD TO A

AR1849'FENCE OPENING, JIM YOUNG AVIATION ON LEFT. PASS THROUGH FENCE OPENING

AR1849'AND GO 40 M (131.2 FT) TO THE TAXIWAY. TURN LEFT AND GO SOUTHWEST FOR

AR1849'0.08 KM (0.05 MI) ON THE TAXIWAY TO THE WINDSOCK AND THE STATION ON

AR1849'RIGHT.

AR1849'THE STATION IS RECESSED 11 CM BELOW GROUND. LOCATED 117.04 M

AR1849'(384.0 FT) SOUTHEAST FROM THE APPROXIMATE CENTER OF RUNWAY 04-22,

AR1849'56.54 M (185.5 FT) SOUTH-SOUTHEAST FROM A WIND TEE, 55.78 M

AR1849'(183.0 FT) SOUTHWEST FROM THE APPROXIMATE CENTER OF A RAMP, 42.98 M

AR1849'(141.0 FT) NORTHWEST FROM THE APPROXIMATE CENTER OF A TAXIWAY, 18.17 M

AR1849'(59.6 FT) SOUTHWEST FROM THE WINDSOCK POLE AND 1.83 M (6.0 FT)

AR1849'SOUTHWEST FROM A CARSONITE WITNESS POST. NOTE--ACCESS TO DATUM POINT

AR1849'IS HAD THROUGH A 5-INCH LOGO CAP.

AR1849'DESCRIBED BY D.F. CALLAHAN.

AR1849

AR1849

STATION RECOVERY (1989)

AR1849

AR1849'RECOVERED 1989

AR1849'RECOVERED IN GOOD CONDITION.

AR1849

AR1849

STATION RECOVERY (1989)

AR1849

AR1849'RECOVERED 1989

AR1849'RECOVERED IN GOOD CONDITION.

AR1849

AR1849

STATION RECOVERY (1995)

AR1849

AR1849'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (CFS)

AR1849'THE STATION IS LOCATED ABOUT 4.0 MI (6.4 KM) NORTH-NORTHWEST OF

AR1849'KEYSTONE HEIGHTS, AT THE KEYSTONE AIRPARK, NEAR THE WINDSOCK BETWEEN

AR1849'RUNWAY 04-22 AND PARALLEL TAXIWAY. OWNERSHIP -- CITY OF KEYSTONE

AR1849'HEIGHTS, P.O. BOX 336, KEYSTONE HEIGHTS, FL 32656. AIRPORT MANAGER IS

AR1849'JIM SMITH, PHONE 904-473-4807 (CITY HALL), 473-0031 (AIRPARK OFFICE),
AR1849'473-0540 (R.C. AIRLINES HANGAR OFFICE) . MANAGER IS AT AIRPARK OFFICE
AR1849'ONLY ON MON-WEN-FRI BUT PHONE IS EQUIPED WITH AN ANSWERING MACHINE.
AR1849'TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAYS 21 AND
AR1849'100 IN KEYSTONE HEIGHTS, GO NORTHWEST, THEN NORTHERLY ON HIGHWAY 100
AR1849'FOR 4.25 MI (6.84 KM) TO AN AIRPORT SIGN AND PAVED ROAD RIGHT. TURN
AR1849'RIGHT AND GO EASTERLY ON PAVED ROAD FOR 1.25 MI (2.01 KM) TO A CURVE
AR1849'RIGHT. BEAR RIGHT AND GO SOUTHERLY ON PAVED ROAD FOR 0.05 MI (0.08
AR1849'KM) TO A PAVED ROAD LEFT. TURN LEFT AND GO EASTERLY ON PAVED ROAD FOR
AR1849'0.05 MI (0.08 KM) TO A PAVED ROAD LEFT. TURN LEFT AND GO NORTHERLY ON
AR1849'PAVED ROAD FOR 0.1 MI (0.2 KM) TO A LOCKED GATE. PASS THROUGH GATE
AR1849'AND GO ACROSS GRASS FOR 150 FT (45.7 M) TO A PARALLEL TAXIWAY. TURN
AR1849'LEFT AND GO SOUTHWEST ON PARALLEL TAXIWAY FOR 0.05 MI (0.08 KM) TO THE
AR1849'STATION ON THE RIGHT. THE STATION IS 384.0 FT (117.0 M) SOUTHEAST OF
AR1849'THE APPROXIMATE CENTER OF RUNWAY 04-22, 183.6 FT (56.0 M) SOUTHWEST OF
AR1849'THE APPROXIMATE CENTER OF A CONNECTOR TAXIWAY, 141.0 FT (43.0 M)
AR1849'NORTHWEST OF THE APPROXIMATE CENTER OF PARALLEL TAXIWAY, 59.8 FT (18.2
AR1849'M) WEST-SOUTHWEST OF THE WINDSOCK POLE, AND 2.4 FT (0.7 M) SOUTHEAST
AR1849'OF A WITNESS POST. NOTE -- A SHORT SECTION OF REBAR HAS BEEN PLACED
AR1849'INSIDE THE PVC PIPE. THE STATION IS THE PRIMARY AIRPORT CONTROL
AR1849'STATION.

AR1849

AR1849

STATION RECOVERY (1995)

AR1849

AR1849'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (CFS)

AR1849'THE STATION IS LOCATED ABOUT 4.0 MI (6.4 KM) NORTH-NORTHWEST OF
AR1849'KEYSTONE HEIGHTS, AT THE KEYSTONE AIRPARK, NEAR THE WINDSOCK BETWEEN
AR1849'RUNWAY 04-22 AND PARALLEL TAXIWAY. OWNERSHIP--CITY OF KEYSTONE
AR1849'HEIGHTS, P.O. BOX 336, KEYSTONE HEIGHTS, FL 32656. AIRPORT MANAGER
AR1849'IS JIM SMITH, PHONE 904-473-4807. TO REACH THE STATION FROM THE
AR1849'INTERSECTION OF STATE HIGHWAYS 21 AND 100 IN KEYSTONE HEIGHTS, GO
AR1849'NORTHWEST, THEN NORTHERLY ON HIGHWAY 100 FOR 4.25 MI (6.84 KM) TO AN
AR1849'AIRPORT SIGN AND PAVED ROAD RIGHT. TURN RIGHT AND GO EASTERLY ON
AR1849'PAVED ROAD FOR 1.25 MI (2.01 KM) TO A CURVE RIGHT. BEAR RIGHT AND GO
AR1849'SOUTHERLY ON PAVED ROAD FOR 0.05 MI (0.08 KM) TO A PAVED ROAD LEFT.
AR1849'TURN LEFT AND GO EASTERLY ON PAVED ROAD FOR 0.05 MI (0.08 KM) TO A
AR1849'PAVED ROAD LEFT. TURN LEFT AND GO NORTHERLY ON PAVED ROAD FOR 0.1 MI
AR1849'(0.2 KM) TO A LOCKED GATE. PASS THROUGH GATE AND GO ACROSS GRASS FOR
AR1849'150 FT (45.7 M) TO A PARALLEL TAXIWAY. TURN LEFT AND GO SOUTHWEST ON
AR1849'PARALLEL TAXIWAY FOR 0.05 MI (0.08 KM) TO THE STATION ON THE RIGHT.
AR1849'THE STATION IS 384.0 FT (117.0 M) SOUTHEAST OF THE APPROXIMATE CENTER
AR1849'OF RUNWAY 04-22, 183.6 FT (56.0 M) SOUTHWEST OF THE APPROXIMATE CENTER
AR1849'OF A CONNECTOR TAXIWAY, 141.0 FT (43.0 M) NORTHWEST OF THE APPROXIMATE
AR1849'CENTER OF PARALLEL TAXIWAY, 59.8 FT (18.2 M) WEST-SOUTHWEST OF THE
AR1849'WINDSOCK POLE, AND 2.4 FT (0.7 M) SOUTHEAST OF A WITNESS POST. THE
AR1849'STATION IS THE PRIMARY AIRPORT CONTROL STATION.

AR1849

AR1849

STATION RECOVERY (1996)

AR1849

AR1849'RECOVERY NOTE BY FL DEPT OF ENV PRO 1996 (JLM)

AR1849'THE STATION IS LOCATED ABOUT 3.75 MI (6.03 KM) NORTH-NORTHWEST OF
AR1849'KEYSTONE HEIGHTS, AT THE KEYSTONE HEIGHTS AIR PORT, IN SECTION 31,
AR1849'TOWNSHIP 7 SOUTH, RANGE 23 EAST, NEAR THE WINDSOCK, OWENERSHIP-- CITY
AR1849'OF KEYSTONE HEIGHTS, P.O. BOX 336, KEYSTONE HEIGHTS FL 32656, JIM
AR1849'YOUNG - AIRPORT MANAGER, PHONE 904-473-2178 NOTE PERMISSION MUST BE
AR1849'OBTAINED BEFORE ENTERING AIRPORT. TO REACH THE STATION FROM THE
AR1849'INTERSECTION OF STATE ROAD 21 (SOUTH LAWRENCE BOULEVARD) AND STATE
AR1849'ROAD 100 (WEST WALKER DRIVE) IN KEYSTONE HEIGHTS, GO NORTHWEST, THEN
AR1849'NORTHERLY ON STATE ROAD 100 (WEST WALKER DRIVE) FOR 4.25 MI (6.84 KM)
AR1849'TO A PAVED ROAD ON THE RIGHT AND A AIRPORT SIGN ON THE RIGHT, TURN

AR1849'RIGHT AND GO EASTERLY FOR 1.25 MI (2.01 KM) ON THE PAVED ROAD TO A
AR1849'SHARP CURVE RIGHT, BEAR RIGHT AND GO SOUTHERLY FOR 0.05 MI (0.08 KM)
AR1849'ON THE PAVED ROAD TO A PAVED ROAD LEFT, TURN LEFT AND GO EASTERLY,
AR1849'THEN NORTHERLY FOR 0.2 MI (0.3 KM) ON THE PAVED ROAD TO A FENCE
AR1849'OPENING, JIM YOUNG AVIATION ON THE LEFT, PASS THROUGH FENCE THE
AR1849'OPENING AND GO 131.2 FT (40.0 M) TO THE TAXIWAY, TURN LEFT AND GO
AR1849'SOUTHWEST FOR 0.05 MI (0.08 KM) ON THE TAXIWAY TO THE WINDSOCK AND THE
AR1849'STATION ON THE RIGHT, A STAINLESS STEEL ROD DRIVEN INTO THE GROUND
AR1849'WITH A LOGO CAP FLUSH WITH THE GROUND, THE DATUM POINT IS RECESSED 0.4
AR1849'FT (12.2 CM) BELOW THE LEVEL OF THE LOGO CAP. LOCATED 384.0 FT (117.0
AR1849'M) SOUTHEAST OF THE APPROXIMATE CENTER OF RUNWAY 04-22, 185.5 FT (56.5
AR1849'M) SOUTH-SOUTHEAST OF A WIND TEE, 183.0 FT (55.8 M) SOUTHWEST OF THE
AR1849'APPROXIMATE CENTER OF THE RAMP, 141.0 FT (43.0 M) NORTHWEST OF THE
AR1849'APPROXIMATE CENTER OF A TAXIWAY, 59.6 FT (18.2 M) SOUTHWEST OF THE
AR1849'WINDSOCK POLE AND 6.0 FT (1.8 M) SOUTHWEST OF A CARSONITE WITNESS
AR1849'POST. NOTE ACCESS TO DATUM POINT IS HAD THROUGH A 5-INCH LOGO CAP.

AR1849

AR1849

STATION RECOVERY (1997)

AR1849

AR1849'RECOVERY NOTE BY DC JOHNSON ASSOC 1997 (CHX)

AR1849'RECOVERY NOTE BY DC JOHNSON ASSOC (CHX) THE STATION WAS RECOVERED IN

AR1849'GOOD CONDITION. ALL DIRT ROADS REFERENCED IN DESCRIPTION ARE NOW

AR1849'PAVED. JIM YOUNG AVIATION IS NOW RC AIRCRAFT MAINTAINANCE SALES AND

AR1849'SERVICE.

AR1849

AR1849

STATION RECOVERY (2002)

AR1849

AR1849'RECOVERY NOTE BY DC JOHNSON ASSOC 2002 (ARG)

AR1849'RECOVERED AS DESCRIBED. (ARG)

AR1849'

AR1849

AR1849

STATION RECOVERY (2006)

AR1849

AR1849'RECOVERY NOTE BY M BAKER JR INCORPORATED 2006 (LL)

AR1849'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:01

***** ORIGINAL DESCRIPTION *****

SSN: 0126
Designation: G099 PRIM MK
PID:
Approx. Latitude: 293724N State: FL
Approx. Longitude: 0812826W County: ST JOHNS
Approx. Elevation: Disk From: FL-109
Stamping: ST. JOHNS COUNTY GPS MONUMENT G099

Surface Mark-
Type: Survey disk
Magnetic code: R
Setting: SET INTO THE TOP OF A CONCRETE MONUMENT
Rod depth: Sleeve Depth:

****Mark is suitable for GPS

Set by ST. JOHNS in 1995, Chief of party TMD.

DESCRIBED BY ST. JOHNS COUNTY GPS SURVEY (1995).

TO REACH THE STATION FROM THE INTERSECTION OF STATE ROAD NO.207 AND COUNTY ROAD NO.13 IN THE HASTINGS AREA, PROCEED SOUTH ON CR NO.13 (MAIN STREET) FOR 7.3 MILES (11.7 KM) TO FLAGLER ESTATES BOULEVARD, THEN PROCEED WEST FOR 0.6 MILES (1.0 KM) ON FLAGLER ESTATES BLVD. TO AMOS AVENUE, THEN PROCEED SOUTH FOR 1.8 MILES (2.9 KM) ON AMOS AVE. TO CEDAR FORD, THEN PROCEED WEST ON CEDAR FORD TO YEAGER AVENUE, THEN PROCEED SOUTH FOR 1.0 MILE (1.6 KM) ON YEAGER AVE. TO THE STATION IN THE NORTHWEST CORNER OF THE INTERSECTION OF YEAGER AVE. AND DIVISION STREET. THE STATION IS A BRASS DISK, STAMPED ST. JOHNS COUNTY GPS MONUMENT G099, SET IN THE TOP OF A Poured IN PLACE CONCRETE MONUMENT, THAT IS 0.6 FEET (18.3 CM) BELOW GROUND LEVEL. IT IS 8.0 FEET (2.4 M) WEST OF THE CENTERLINE OF YEAGER AVE. (GRASS ROAD), 22.0 FEET (6.7 M) NORTH OF THE CENTERLINE OF DIVISION STREET (GRASS ROAD), 149.9 FEET (45.7 M) SOUTHWEST OF A WOODEN POWER POLE STAMPED 3-45 FPL, 49.0 FEET (14.9 M) NORTHEAST OF THE WEST END OF A 36 INCH CORRIGATED METAL PIPE, 66.3 FEET (20.2 M) SOUTHWEST OF A 15 INCH PINE TREE.

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

AA8147 *****

AA8147 DESIGNATION - PC 15
 AA8147 PID - AA8147
 AA8147 STATE/COUNTY- FL/PUTNAM
 AA8147 USGS QUAD - PALATKA (1992)

AA8147
 AA8147 *CURRENT SURVEY CONTROL

AA8147*	NAD 83(2007) -	29 39 53.50079(N)	081 39 49.98140(W)	ADJUSTED
AA8147*	NAVD 88 -	6.726 (meters)	22.07 (feet)	ADJUSTED

AA8147	EPOCH DATE -	2002.00		
AA8147	X -	804,162.811 (meters)		COMP
AA8147	Y -	-5,488,115.318 (meters)		COMP
AA8147	Z -	3,138,136.042 (meters)		COMP
AA8147	LAPLACE CORR-	-1.90 (seconds)		DEFLEC99
AA8147	ELLIP HEIGHT-	-21.644 (meters)	(02/10/07)	ADJUSTED
AA8147	GEOID HEIGHT-	-28.41 (meters)		GEOID03
AA8147	DYNAMIC HT -	6.717 (meters)	22.04 (feet)	COMP

AA8147 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
 AA8147 Type PID Designation North East Ellip
 AA8147 -----
 AA8147 NETWORK AA8147 PC 15 0.86 0.88 1.67
 AA8147 -----
 AA8147 MODELED GRAV- 979,291.9 (mgal) NAVD 88
 AA8147
 AA8147 VERT ORDER - FIRST CLASS II

AA8147.The horizontal coordinates were established by GPS observations
 AA8147.and adjusted by the National Geodetic Survey in February 2007.
 AA8147
 AA8147.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AA8147.See National Readjustment for more information.
 AA8147.The horizontal coordinates are valid at the epoch date displayed above.
 AA8147.The epoch date for horizontal control is a decimal equivalence
 AA8147.of Year/Month/Day.
 AA8147
 AA8147.The orthometric height was determined by differential leveling
 AA8147.and adjusted in September 1997.
 AA8147
 AA8147.Photographs are available for this station.
 AA8147
 AA8147.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AA8147
 AA8147.The Laplace correction was computed from DEFLEC99 derived deflections.
 AA8147
 AA8147.The ellipsoidal height was determined by GPS observations
 AA8147.and is referenced to NAD 83.
 AA8147
 AA8147.The geoid height was determined by GEOID03.

AA8147

AA8147.The dynamic height is computed by dividing the NAVD 88
AA8147.geopotential number by the normal gravity value computed on the
AA8147.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AA8147.degrees latitude (g = 980.6199 gals.).

AA8147

AA8147.The modeled gravity was interpolated from observed gravity values.

AA8147

AA8147;	North	East	Units	Scale	Factor	Converg.
AA8147;SPC FL E	- 590,904.067	135,733.234	MT	0.99999212	-0 19	42.9
AA8147;SPC FL E	- 1,938,657.76	445,318.12	sFT	0.99999212	-0 19	42.9
AA8147;UTM 17	- 3,281,834.434	435,755.162	MT	0.99965092	-0 19	42.9

AA8147!
AA8147!SPC FL E - Elev Factor x Scale Factor = Combined Factor
AA8147!UTM 17 - 1.00000340 x 0.99999212 = 0.99999552
AA8147!UTM 17 - 1.00000340 x 0.99965092 = 0.99965432

AA8147

AA8147 SUPERSEDED SURVEY CONTROL

AA8147

AA8147	NAD 83(1999)-	29 39 53.50137(N)	081 39 49.98115(W)	AD()	1
AA8147	ELLIP H (06/19/01)	-21.681 (m)		GP()	4 1
AA8147	NAD 83(1990)-	29 39 53.50005(N)	081 39 49.98073(W)	AD()	1
AA8147	ELLIP H (09/22/95)	-21.736 (m)		GP()	3 2

AA8147

AA8147.Superseded values are not recommended for survey control.

AA8147.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA8147.See file dsdata.txt to determine how the superseded data were derived.

AA8147

AA8147_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMN3575581834(NAD 83)

AA8147_MARKER: DD = SURVEY DISK

AA8147_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AA8147_STAMPING: PC 15 1995

AA8147_MARK LOGO: FL-107

AA8147_PROJECTION: FLUSH

AA8147_MAGNETIC: N = NO MAGNETIC MATERIAL

AA8147_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AA8147+STABILITY: SURFACE MOTION

AA8147_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA8147+SATELLITE: SATELLITE OBSERVATIONS - July 22, 2004

AA8147

AA8147	HISTORY	- Date	Condition	Report By
AA8147	HISTORY	- 1995	MONUMENTED	KEISCH
AA8147	HISTORY	- 19951212	GOOD	FLDEP
AA8147	HISTORY	- 20040722	GOOD	FLDEP

AA8147

AA8147 STATION DESCRIPTION

AA8147

AA8147'DESCRIBED BY KEITH AND SCHNARS - LAKELAND 1995 (RTS)

AA8147'THE STATION IS IN PALATKA IN THE MEDIAN OF U.S. HIGHWAY 19 IN SECTION

AA8147'37, TOWNSHIP 9 SOUTH, RANGE 26 EAST. TO REACH THE STATION FROM THE

AA8147'INTERSECTION OF STATE ROAD 19 AND STATE ROAD 100 IN PALATKA, GO

AA8147'NORTHEAST ON STATE ROAD 19 FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF

AA8147'CARTER ROAD AND THE STATION IN THE SOUTH QUADRANT OF THE INTERSECTION

AA8147'IN THE MEDAIN, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A

AA8147'CONCRETE MONUMENT FLUSH WITH THE GROUND. LOCATED 65.2 FT (19.9 M)

AA8147'SOUTH OF THE BULLNOSE AND 1.2 FT (0.4 M) NORTHEAST OF A CARSONITE

AA8147'WITNESS POST. X-CUT, SET IN A CONCRETE CURB, WITH A MAGNETIC AZIMUTH

AA8147'OF 61 DEGREES AT 65.18 FT (19.87 M). X-CUT, SET IN A CONCRETE CURB,

AA8147'WITH A MAGNETIC AZIMUTH OF 143 DEGREES AT 13.53 FT (4.12 M), X-CUT,

AA8147'SET IN A CONCRETE CURB, WITH A MAGNETIC AZIMUTH OF 323 DEGREES AT 9.69

AA8147'FT (2.95 M), SET A CARSONITE WITNESS POST, WITH A MAGNETIC AZIMUTH OF
AA8147'240 DEGREES AT 1.2 FT (0.4 M).

AA8147

AA8147

STATION RECOVERY (1995)

AA8147

AA8147'RECOVERY NOTE BY FL DEPT OF ENV PRO 1995 (VAJ)

AA8147'THE MARK IS ABOUT 1.90 MI (3.06 KM) NORTHWEST OF PALATKA IN SECTION 2,
AA8147'TOWNSHIP 9 SOUTH, RANGE 26 EAST. TO REACH THE MARK FROM CITY HALL IN
AA8147'PALATKA, AT THE INTERSECTION OF U.S. HIGHWAY 17, STATE ROAD 100 (REID
AA8147'STREET) AND 2ND STREET, GO WEST ON U.S. HIGHWAY 17, STATE ROAD 100
AA8147'(REID STEET) FOR 0.45 MI (0.72 KM) TO THE JUNCTION OF STATE ROAD 20
AA8147'(9TH STREET) ON THE LEFT, CONTINUE WEST-NORHTWEST ON U.S. HIGHWAY 17,
AA8147'STATE ROAD 100 (REID STREET) FOR 1.2 MI (1.9 KM) TO THE JUNCTION OF
AA8147'STATE ROAD 100 ON THE LEFT, CONTINUE NORTH ON U.S. HIGHWAY 17 FOR 0.75
AA8147'MI (1.21 KM) TO THE JUNCTION OF CARTER ROAD ON THE LEFT, TURN LEFT ON
AA8147'CARTER ROAD AND GO WEST FOR 0.4 MI (0.6 KM) TO THE JUNCTION OF STATE
AA8147'ROAD 19 AND THE MARK ON THE LEFT, SET IN THE TOP OF A ROUND CONCRETE
AA8147'MONUMENT IN THE MEDIAN OF STATE ROAD 19 FLUSH WITH THE GROUND AND
AA8147'ABOUT 0.5 FT (15.2 CM) ABOVE THE LEVEL OF STATE ROAD 19 NORTHBOUND
AA8147'LANES. LOCATED 39.8 FT (12.1 M) NORTHWEST OF THE APPROXIMATE
AA8147'CENTERLINE OF STATE ROAD 19 NORTHBOUND LANES, 24.8 FT (7.6 M)
AA8147'SOUTHEAST OF THE APPROXIMATE CENTERLINE OF STATE ROAD 19 SOUTHBOUND
AA8147'LANES AND 1.2 FT (0.4 M) NORTHEAST OF A CARSONITE WITNESS POST.

AA8147

AA8147

STATION RECOVERY (2004)

AA8147

AA8147'RECOVERY NOTE BY FL DEPT OF ENV PRO 2004 (BPJ)

AA8147'RECOVERED AS DESCRIBED.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

AA8153 *****

AA8153 DESIGNATION - PC21
 AA8153 PID - AA8153
 AA8153 STATE/COUNTY- FL/PUTNAM
 AA8153 USGS QUAD - PALATKA (1992)

AA8153 *CURRENT SURVEY CONTROL

AA8153* NAD 83(2007)- 29 44 58.36081(N) 081 44 37.03622(W) ADJUSTED
 AA8153* NAVD 88 - 24.6 (meters) 81. (feet) GPS OBS

AA8153 EPOCH DATE - 2002.00
 AA8153 X - 795,858.561 (meters) COMP
 AA8153 Y - -5,484,641.018 (meters) COMP
 AA8153 Z - 3,146,298.177 (meters) COMP
 AA8153 LAPLACE CORR- -1.84 (seconds) DEFLEC99
 AA8153 ELLIP HEIGHT- -3.591 (meters) (02/10/07) ADJUSTED
 AA8153 GEOID HEIGHT- -28.23 (meters) GEOID03

AA8153 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----
 AA8153 Type PID Designation North East Ellip
 AA8153 NETWORK AA8153 PC21 0.86 0.86 1.71

AA8153.The horizontal coordinates were established by GPS observations
 AA8153.and adjusted by the National Geodetic Survey in February 2007.
 AA8153
 AA8153.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AA8153.See National Readjustment for more information.
 AA8153.The horizontal coordinates are valid at the epoch date displayed above.
 AA8153.The epoch date for horizontal control is a decimal equivalence
 AA8153.of Year/Month/Day.

AA8153
 AA8153.The orthometric height was determined by GPS observations and a
 AA8153.high-resolution geoid model.

AA8153
 AA8153.The X, Y, and Z were computed from the position and the ellipsoidal ht.

AA8153
 AA8153.The Laplace correction was computed from DEFLEC99 derived deflections.

AA8153
 AA8153.The ellipsoidal height was determined by GPS observations
 AA8153.and is referenced to NAD 83.

AA8153
 AA8153.The geoid height was determined by GEOID03.

AA8153;	North	East	Units	Scale	Factor	Converg.
AA8153;SPC FL E -	600,337.786	128,074.477	MT	1.00000498	-0 22	08.4
AA8153;SPC FL E -	1,969,608.22	420,191.01	sFT	1.00000498	-0 22	08.4
AA8153;UTM 17 -	3,291,264.934	428,099.018	MT	0.99966378	-0 22	08.4

AA8153! - Elev Factor x Scale Factor = Combined Factor
 AA8153!SPC FL E - 1.00000056 x 1.00000498 = 1.00000554
 AA8153!UTM 17 - 1.00000056 x 0.99966378 = 0.99966434

AA8153

AA8153

SUPERSEDED SURVEY CONTROL

AA8153

AA8153 NAD 83(1999)- 29 44 58.36161(N) 081 44 37.03617(W) AD() 1
 AA8153 ELLIP H (06/19/01) -3.619 (m) GP() 4 1
 AA8153 NAD 83(1990)- 29 44 58.36036(N) 081 44 37.03589(W) AD() 1
 AA8153 ELLIP H (09/22/95) -3.663 (m) GP() 3 2

AA8153

AA8153.Superseded values are not recommended for survey control.

AA8153.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA8153.See file dsdata.txt to determine how the superseded data were derived.

AA8153

AA8153_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMN2809991265(NAD 83)

AA8153_MARKER: DH = HORIZONTAL CONTROL DISK

AA8153_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AA8153_STAMPING: PC21 1995

AA8153_MARK LOGO: FL-107

AA8153_MAGNETIC: N = NO MAGNETIC MATERIAL

AA8153_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AA8153+STABILITY: SURFACE MOTION

AA8153_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA8153+SATELLITE: SATELLITE OBSERVATIONS - 1995

AA8153

AA8153 HISTORY - Date Condition Report By

AA8153 HISTORY - 1995 MONUMENTED KEISCH

AA8153

AA8153

STATION DESCRIPTION

AA8153

AA8153'DESCRIBED BY KEITH AND SCHNARS - LAKELAND 1995 (RTS)

AA8153'THE STATION IS ABOUT 8.5 MI (13.7 KM) NORTHWEST OF PALATKA IN THE
 AA8153'SOUTHWEST RIGHT-OF-WAY OF COUNTY ROAD 309D IN SECTION 31, TOWNSHIP 8
 AA8153'SOUTH, RANGE 25 EAST. TO REACH THE STATION FROM THE INTERSECTION OF
 AA8153'STATE ROAD 100 AND STATE ROAD 19 IN PALATKA, GO WEST ON STATE ROAD 100
 AA8153'FOR 2.7 MI (4.3 KM) TO THE INTERSECTION OF COUNTY ROAD 309D, TURN
 AA8153'RIGHT ON COUNTY ROAD 309D AND GO NORTHWEST FOR 5.1 MI (8.2 KM) TO THE
 AA8153'STATION ON THE RIGHT, AN ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF
 AA8153'A CONCRETE MONUMENT RECESSED 0.4 FT (0.1 M) (12.2 CM) BELOW THE LEVEL
 AA8153'OF THE GROUND. LOCATED 19.0 FT (5.8 M) EAST-SOUTHEAST OF THE
 AA8153'CENTERLINE OF COUNTY ROAD 309D, 17.8 FT (5.4 M) WEST OF THE FENCE
 AA8153'CORNER AND 15.0 FT (4.6 M) EAST OF A CARSONITE WITNESS POST. SET NAIL
 AA8153'AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A
 AA8153'MAGNETIC AZIMUTH OF 25 DEGREES AT 12.51 FT (3.81 M), SET NAIL AND DISC
 AA8153'(KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A MAGNETIC
 AA8153'AZIMUTH OF 137 DEGREES AT 106.60 FT (32.49 M), SET NAIL AND DISC
 AA8153'(KEITH AND SCHNARS PA) IN A WOOD FENCE CORNER POST, WITH A MAGNETIC
 AA8153'AZIMUTH OF 285 DEGREES AT 17.84 FT (5.44 M), SET A CARSONITE WITNESS
 AA8153'POST, WITH A MAGNETIC AZIMUTH OF 251 DEGREES AT 15.0 FT (4.6 M).

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

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

DATABASE = , PROGRAM = datasheet, VERSION = 7.67

1 National Geodetic Survey, Retrieval Date = APRIL 13, 2009

AA8156 *****

AA8156 DESIGNATION - PC 24
 AA8156 PID - AA8156
 AA8156 STATE/COUNTY- FL/PUTNAM
 AA8156 USGS QUAD - SATSUMA (1980)

AA8156 *CURRENT SURVEY CONTROL

AA8156* NAD 83(2007) - 29 34 03.48639(N) 081 43 28.74909(W) ADJUSTED
 AA8156* NAVD 88 - 8.094 (meters) 26.56 (feet) ADJUSTED

AA8156 EPOCH DATE - 2002.00
 AA8156 X - 799,108.318 (meters) COMP
 AA8156 Y - -5,494,236.825 (meters) COMP
 AA8156 Z - 3,128,767.619 (meters) COMP
 AA8156 LAPLACE CORR- -1.74 (seconds) DEFLEC99
 AA8156 ELLIP HEIGHT- -20.224 (meters) (02/10/07) ADJUSTED
 AA8156 GEOID HEIGHT- -28.35 (meters) GEOID03
 AA8156 DYNAMIC HT - 8.083 (meters) 26.52 (feet) COMP

AA8156 ----- Accuracy Estimates (at 95% Confidence Level in cm) -----

Type	PID	Designation	North	East	Ellip
NETWORK	AA8156	PC 24	0.92	0.92	1.72

AA8156 MODELED GRAV- 979,281.2 (mgal) NAVD 88

AA8156 VERT ORDER - SECOND CLASS I

AA8156.The horizontal coordinates were established by GPS observations
 AA8156.and adjusted by the National Geodetic Survey in February 2007.
 AA8156
 AA8156.The datum tag of NAD 83(2007) is equivalent to NAD 83(NSRS2007).
 AA8156.See National Readjustment for more information.
 AA8156.The horizontal coordinates are valid at the epoch date displayed above.
 AA8156.The epoch date for horizontal control is a decimal equivalence
 AA8156.of Year/Month/Day.
 AA8156
 AA8156.The orthometric height was determined by differential leveling
 AA8156.and adjusted in September 1997.
 AA8156
 AA8156.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 AA8156
 AA8156.The Laplace correction was computed from DEFLEC99 derived deflections.
 AA8156
 AA8156.The ellipsoidal height was determined by GPS observations
 AA8156.and is referenced to NAD 83.
 AA8156
 AA8156.The geoid height was determined by GEOID03.
 AA8156
 AA8156.The dynamic height is computed by dividing the NAVD 88

AA8156.geopotential number by the normal gravity value computed on the
AA8156.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AA8156.degrees latitude (g = 980.6199 gals.).

AA8156

AA8156.The modeled gravity was interpolated from observed gravity values.

AA8156

AA8156;	North	East	Units	Scale	Factor	Converg.
AA8156;SPC FL E	- 580,162.400	129,783.039	MT	1.00000199	-0 21 27.3	
AA8156;SPC FL E	- 1,903,416.14	425,796.52	sFT	1.00000199	-0 21 27.3	
AA8156;UTM 17	- 3,271,096.433	429,806.997	MT	0.99966079	-0 21 27.3	

AA8156

AA8156!	Elev Factor	x	Scale Factor	=	Combined Factor
AA8156!SPC FL E	- 1.00000318	x	1.00000199	=	1.00000517
AA8156!UTM 17	- 1.00000318	x	0.99966079	=	0.99966397

AA8156

AA8156

SUPERSEDED SURVEY CONTROL

AA8156

AA8156	NAD 83(1999)-	29 34 03.48701(N)	081 43 28.74891(W)	AD() 1
AA8156	ELLIP H (06/19/01)	-20.257 (m)		GP() 4 1
AA8156	NAD 83(1990)-	29 34 03.48559(N)	081 43 28.74860(W)	AD() 1
AA8156	ELLIP H (09/22/95)	-20.303 (m)		GP() 3 2

AA8156

AA8156.Superseded values are not recommended for survey control.

AA8156.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA8156.See file dsdata.txt to determine how the superseded data were derived.

AA8156

AA8156_U.S. NATIONAL GRID SPATIAL ADDRESS: 17RMN2980771096(NAD 83)

AA8156_MARKER: DD = SURVEY DISK

AA8156_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AA8156_STAMPING: PC 24 1995

AA8156_MARK LOGO: FL-107

AA8156_MAGNETIC: N = NO MAGNETIC MATERIAL

AA8156_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AA8156+STABILITY: SURFACE MOTION

AA8156_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA8156+SATELLITE: SATELLITE OBSERVATIONS - August 07, 1996

AA8156

AA8156	HISTORY	- Date	Condition	Report By
AA8156	HISTORY	- 1995	MONUMENTED	KEISCH
AA8156	HISTORY	- 19960807	GOOD	FLDEP

AA8156

AA8156

STATION DESCRIPTION

AA8156

AA8156'DESCRIBED BY KEITH AND SCHNARS - LAKELAND 1995 (RTS)

AA8156'THE STATION IS ABOUT 7.0 MI (11.3 KM) SOUTHWEST OF PALATKA IN THE
AA8156'SOUTHEAST RIGHT-OF-WAY OF STATE ROAD 19 IN SECTION 5, TOWNSHIP 11
AA8156'SOUTH, RANGE 26 EAST. TO REACH THE STATION FROM THE INTERSECTION OF
AA8156'STATE ROAD 100 AND STATE ROAD 19 IN PALATKA, GO SOUTHWEST ON STATE
AA8156'ROAD 19 FOR 6.9 MI (11.1 KM) TO THE INTERSECTION OF CAMP ROAD AND THE
AA8156'STATION ON THE LEFT IN THE SOUTHEAST QUADRANT OF THE INTERSECTION, AN
AA8156'ALUMINUM PUTNAM COUNTY DISK SET IN THE TOP OF A CONCRETE MONUMENT
AA8156'FLUSH WITH THE GROUND. LOCATED 30.2 FT (9.2 M) WEST OF A FENCE CORNER
AA8156'AND 30.0 FT (9.1 M) NORTHWEST OF A CARSONITE WITNESS POST. SET NAIL
AA8156'AND DISC (KEITH AND SCHNARS PA) AT THE EDGE OF THE PAVEMENT, WITH A
AA8156'MAGNETIC AZIMUTH OF 299 DEGREES AT 18.16 FT (5.54 M), SET NAIL AND
AA8156'DISC (KEITH AND SCHNARS PA) IN A WOOD FENCE CORNER POST, WITH A
AA8156'MAGNETIC AZIMUTH OF 109 DEGREES AT 30.23 FT (9.21 M), SET NAIL AND
AA8156'DISC (KEITH AND SCHNARS PA) IN A WOOD POWER POLE, WITH A MAGNETIC
AA8156'AZIMUTH OF 42 DEGREES AT 79.74 FT (24.30 M), SET A CARSONITE WITNESS
AA8156'POST, WITH A MAGNETIC AZIMUTH OF 150 DEGREES AT 30.0 FT (9.1 M).

AA8156

AA8156

STATION RECOVERY (1996)

AA8156

AA8156'RECOVERY NOTE BY FL DEPT OF ENV PRO 1996

AA8156'THE MARK IS ABOUT 14.5 MI (23.3 KM) NORTH OF SALT SPRINGS, 9.8 MI

AA8156'(15.8 KM) SOUTHWEST OF PALATKA IN SECTION 5, TOWNSHIP 11 SOUTH, RANGE

AA8156'26 EAST. TO REACH THE MARK FROM THE CITY HALL IN PALATKA ON U.S.

AA8156'HIGHWAY 17 (REID STREET, STATE ROAD 100), GO WEST ON U.S. HIGHWAY 17

AA8156'(REID STREET, STATE ROAD 100) FOR 1.7 MI (2.7 KM) TO THE JUNCTION OF

AA8156'STATE ROAD 100 ON THE LEFT, TURN LEFT ON STATE ROAD 100 AND GO

AA8156'NORHTWEST FOR 0.8 MI (1.3 KM) TO THE INTERSECTION OF STATE ROAD 19,

AA8156'TURN LEFT ON STATE ROAD 19 AND GO SOUTH-SOUTHWEST FOR 7.45 MI (11.99

AA8156'KM) TO THE JUNCTION OF CAMP ROAD ON THE LEFT AND THE MARK ON THE LEFT,

AA8156'IN TOP OF A ROUND CONCRETE MONUMENT RECESSED 0.2 FT (6.1 CM) BELOW THE

AA8156'LEVEL OF THE GROUND AND ABOUT 2.0 FT (0.6 M) BELOW THE LEVEL OF STATE

AA8156'ROAD 19, LOCATED 76.8 FT (23.4 M) SOUTHWEST OF A POWER POLE WITH 1 GUY

AA8156'WIRE AND A TRANSFORMER ATTACHED, 49.6 FT (15.1 M) SOUTHWEST OF THE

AA8156'APPROXIMATE CENTERLINE OF CAMP ROAD, 30.3 FT (9.2 M) SOUTHEAST OF THE

AA8156'APPROXIMATE CENTERLINE OF STATE ROAD 19 AND 30.1 FT (9.2 M) NORTHWEST

AA8156'OF A CARSONITE WITNESS POST.

*** retrieval complete.

Elapsed Time = 00:00:01