

ELEVATIONS COMPARED TO FIELD BOOK AND FOUND TO BE THE SAME - JH

FLORIDA DEPARTMENT OF TRANSPORTATION  
 VERTICAL CONTROL SURVEY REPORT  
 BENCH MARK COVER SHEET - DATUM N.G.V.D. 1929

ROAD SECTION No. 05090-0000  
07060-0000 GLADES & HENDRY

193957-3 & 4 N/A 05090-0000 29 GLADES & HENDRY  
 FINANCIAL PROJECT ID W.P.I. No.(Old) STATE JOB No. (Old) SR. No. COUNTY

PROJECT DESCRIPTION (FROM SYSTEM) S.R. 29 FROM HENDRY COUNTY LINE TO S.R. 78 AND  
S.R. 29 FROM NOBLES ROAD TO GLADES COUNTY LINE.

SECTIONS - 21, 22, 28, 29 & 32 TOWNSHIP - 42<sup>th</sup> SOUTH RANGE - 29 EAST

LINE No.	BEGINNING MARK DESCRIPTION	ENDING MARK DESCRIPTION	LINE LENGTH	ALLOWABLE ERROR	ACTUAL ERROR	ADJUSTMENT PER FOOT
1	F.D.O.T. BM 1	F.D.O.T. BM 31	12,835 FT.	0.078 FT.	-0.072 FT.	0.000005610
2	F.D.O.T. BM 33	F.D.O.T. BM 200	1,555 FT.	0.027 FT.	0.001 FT.	0.000000643
3	F.D.O.T. BM 200	F.D.O.T. BM 201	1,496 FT.	0.027 FT.	-0.003 FT.	0.000002005
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	-	-	-	-

ELEVATIONS ADJUSTED BY PROPORTIONATE RELATIONSHIP OF ERROR TO LENGTH OF RUN

- NOTES: 1. ALL STATIONS AND OFFSETS FOR THE BENCH MARKS ARE FROM A GEOMETRY ALIGNMENT.  
 2. THIS IS NOT THE ORIGINAL SURVEY ALIGNMENT.  
 3. THE GEOMETRY ALIGNMENT WAS NOT MONUMENTED IN THE FIELD.  
 4. THE VERTICAL DATUM OF THE ELEVATIONS POSTED HEREIN IS NATIONAL GEODETIC VERTICAL DATUM OF 1929.  
 5. BENCH LINE No. 1 ORIGINATES ON F.D.O.T. BM 1 AND RUN NORTH ON S.R. 29 THROUGH BENCH MARKS 188, 189, 190, 191, J519, 192, 193, 194, 195, 196, H519, 197, 198 AND IS ADJUSTED INTO F.D.O.T. BM 31.  
 6. BENCH LINE No. 2 ORIGINATES ON F.D.O.T. BM 33 AND RUN NORTH ON S.R. 29 THROUGH BENCH MARKS 199 AND G 519 AND IS ADJUSTED INTO F.D.O.T. BM 200.  
 7. BENCH LINE No. 3 ORIGINATES ON F.D.O.T. BM 200 AND RUN NORTH ON S.R. 29 THROUGH BENCH MARKS BM 200A AND IS ADJUSTED INTO F.D.O.T. BM 201.

LOCATION MAP

SEE ATTACHMENT "A"



DENI ASSOCIATES, INC. LB 3542  
 FIRM NAME & L.B. No.  
6241 ARC WAY, FT. MYERS, FL 33912-1352  
 STREET ADDRESS, CITY, STATE, ZIP  
BEN R. HOMOLA - LS 3950  
 SURVEYOR'S NAME & LICENSE No.

Ben R. Homola 2-25-2003  
 SURVEYOR'S SIGNATURE DATE

FIELD SURVEY DATE: JANUARY 29, 2003

NOT VALID UNLESS SIGNED AND EMBOSSED WITH SURVEYOR'S SEAL



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW - RECOVERED X DESTROYED - ELEVATION (Meters): 05.005  
NAME OR DESIGNATION BM 1 ELEVATION (Feet): 16.420  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: 17.881  
COUNTY HENDRY S.R. No. 29 FINANCIAL PROJECT ID : 193957-4  
SECTION 32 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 07060-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 3.1 MILES TO MARK, ON THE EAST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK ON CONCRETE HEADWALL

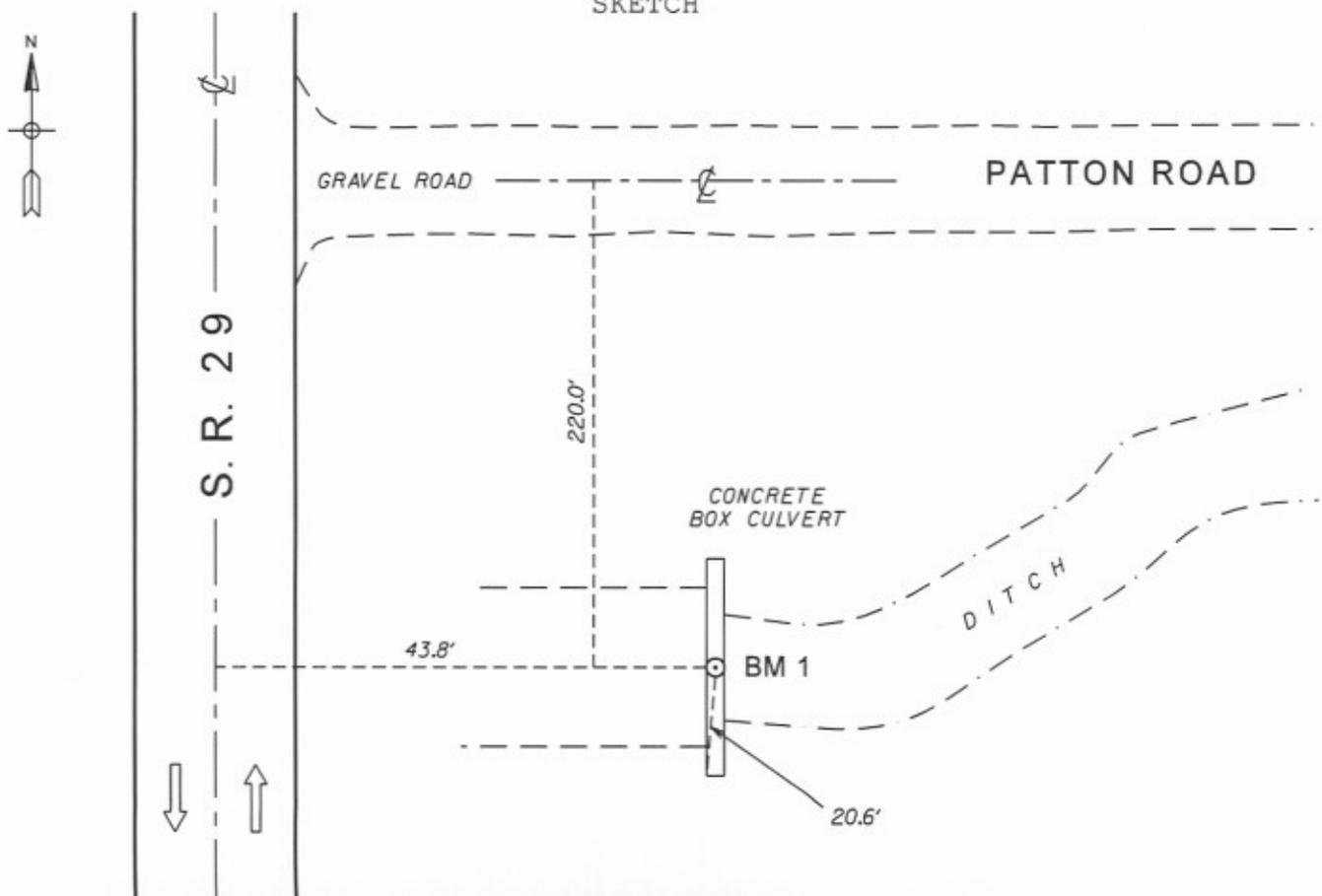
LOCATION DESCRIPTION: NO TIES TO THE GEOMETRY ALIGNMENT;

43.8 FT. EAST OF THE CENTER LINE OF S.R. 29; 220.0 FT. SOUTH OF THE CENTER LINE OF PATTON ROAD (GRAVEL ROAD); 20.6 FT. NORTH OF THE SOUTHWEST CORNER OF A CONCRETE STRAIGHT END WALL BOX CULVERT.

SEARCH COORDINATES

STATE PLANE COORDINATES  X = \_\_\_\_\_ Y = \_\_\_\_\_

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 04.704  
NAME OR DESIGNATION BM 188 ELEVATION (Feet): 15.431  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY HENDRY S.R. No. 29 FINANCIAL PROJECT ID: 193957-4  
SECTION 32 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 07060-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

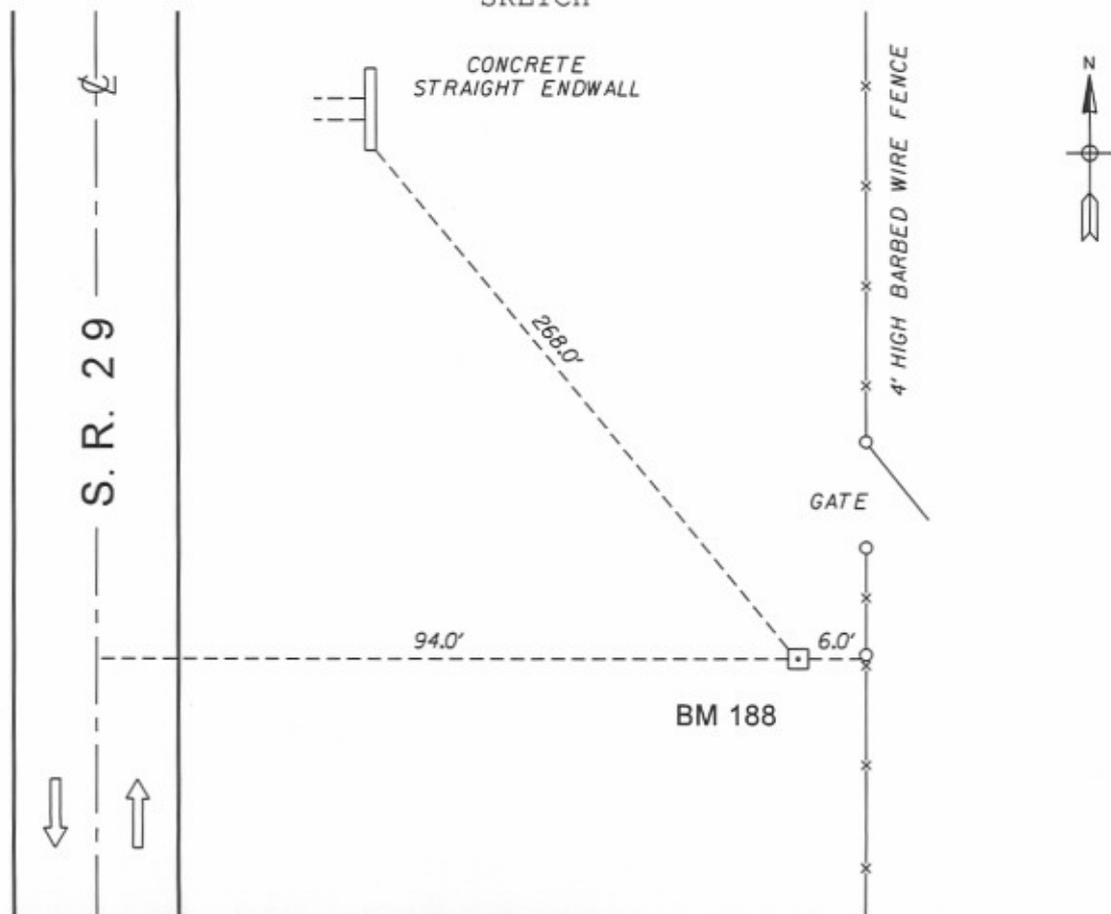
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78 GO SOUTH ON S.R. 29 FOR 2.9 MILES TO MARK IN THE EAST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT, STAMPED "BM 188", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 94.09 FT. RIGHT OF GEOMETRY ALIGNMENT, STA. 40+63.30; 6.0 FT. WEST OF A FENCE POST OF A 4 FT. HIGH BARBED WIRE FENCE; 94.0 FT. EAST OF THE CENTER LINE OF S.R. 29; 268.0 FT. SOUTHEAST OF THE SOUTHEAST CORNER OF A STRAIGHT ENDWALL.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 513537 Y = 888366

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 06.022  
NAME OR DESIGNATION BM 189 ELEVATION (Feet): 19.756  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY HENDRY S.R. No. 29 FINANCIAL PROJECT ID: 193957-4  
SECTION 32 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 07060-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

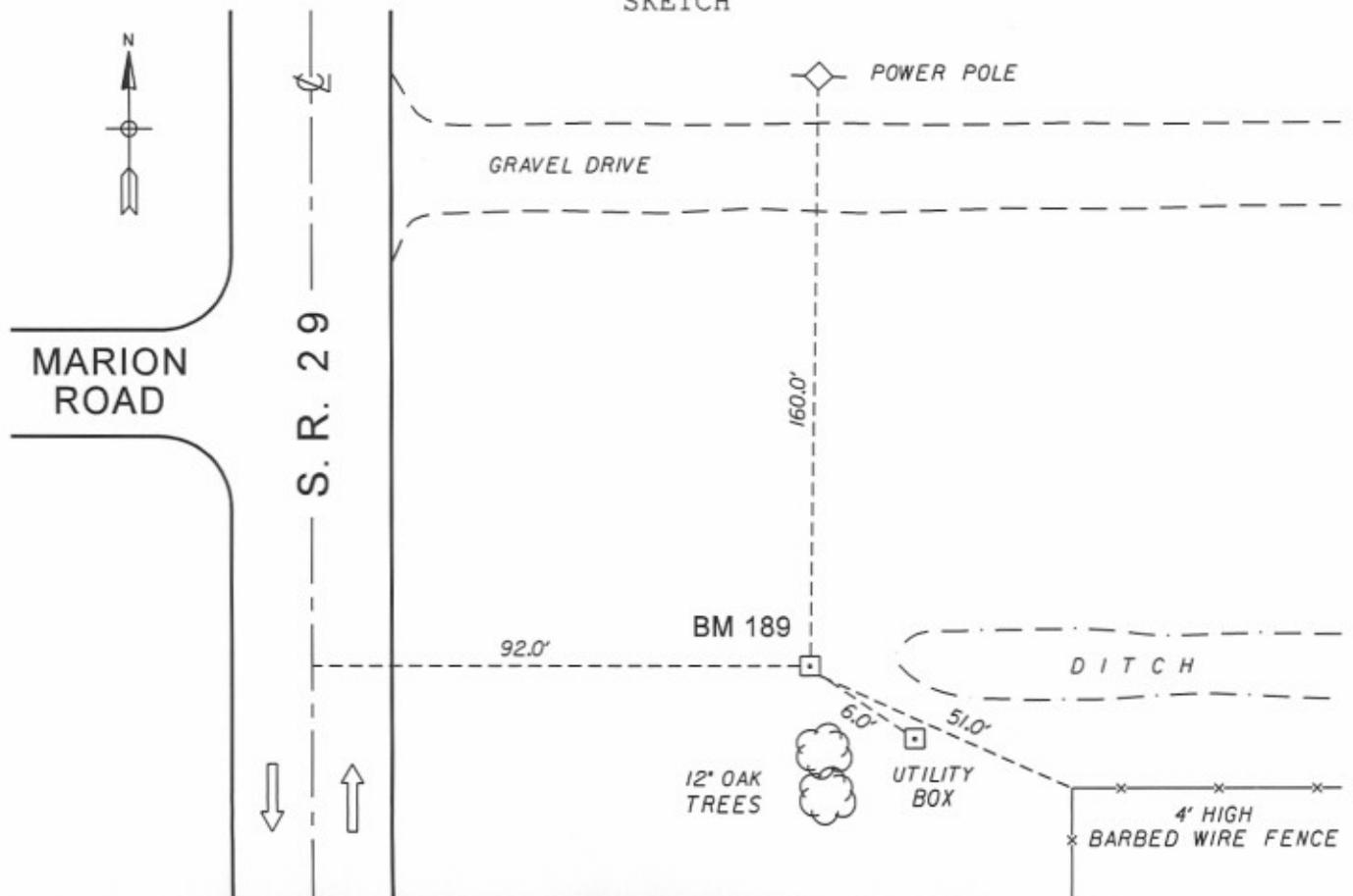
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 2.7 MILES TO MARK, ON THE EAST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 189", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 92.66 FT. RIGHT OF GEOMETRY ALIGNMENT, STA. 50+32.34; 92.0 FT. EAST OF THE CENTER LINE OF S.R. 29; 160.0 FT. SOUTHERLY OF A POWER POLE; 51.0 FT. NORTHWEST OF A FENCE CORNER POLE; 6.0 FT. NORTHWEST OF A UTILITY BOX.

SEARCH COORDINATES  X = 513535 Y = 889336  
STATE PLANE COORDINATES

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 06.686  
NAME OR DESIGNATION BM 190 ELEVATION (Feet): 21.936  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID : 193957-3  
SECTION 29 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

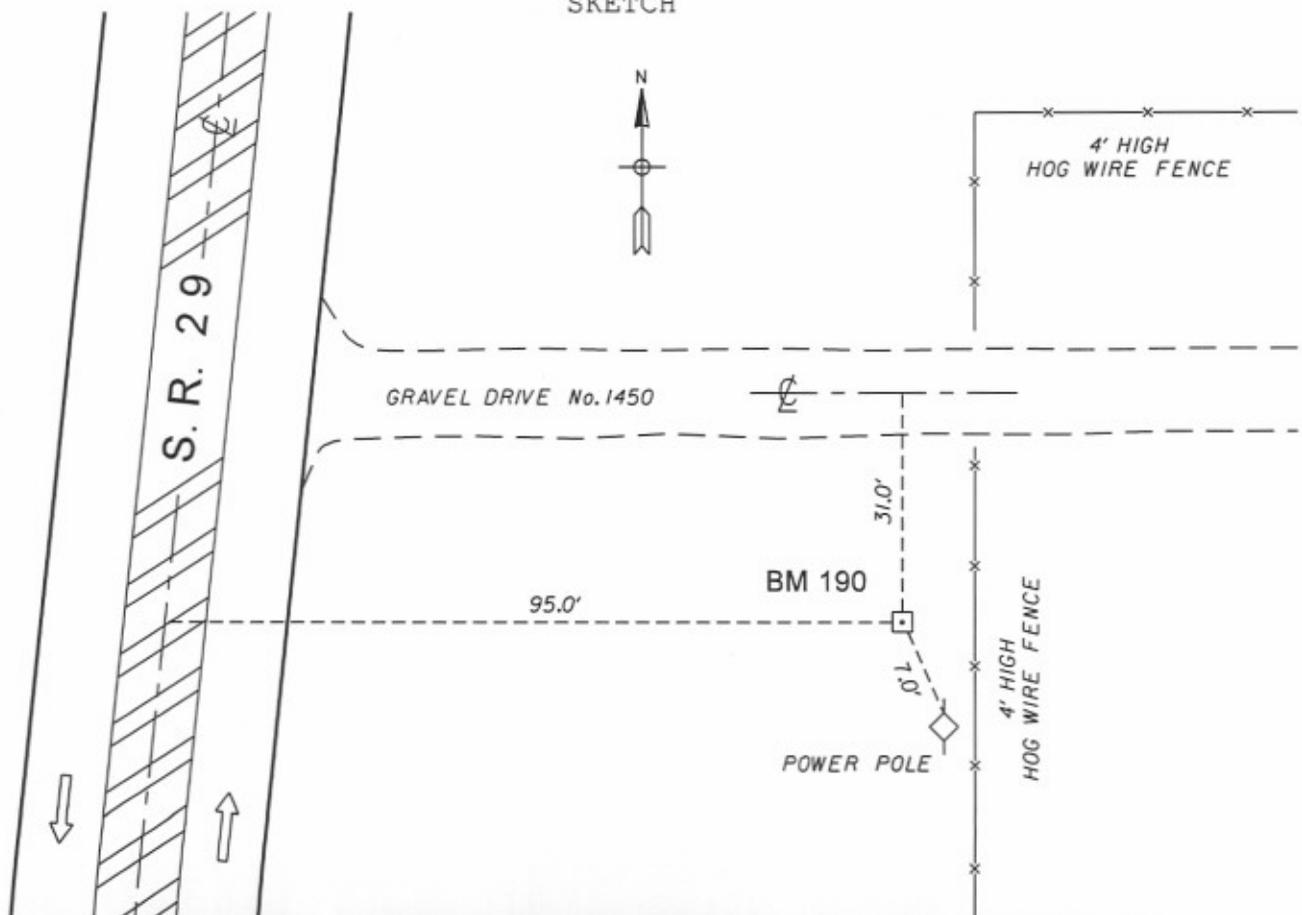
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 2.6 MILES TO MARK, ON THE EAST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 190", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 97.02 FT. RIGHT OF GEOMETRY ALIGNMENT, STA. 60+33.27; 95.0 FT. EASTERLY OF THE CENTER LINE OF S.R. 29; 7.0 FT. NORTHWESTERLY OF A POWER POLE; 31.0 FT. SOUTH OF THE CENTER LINE OF A GRAVEL DRIVE (No. 1450).

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 513574 Y = 890319

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 06.665  
NAME OR DESIGNATION BM 191 ELEVATION (Feet): 21.865  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID : 193957-3  
SECTION 29 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

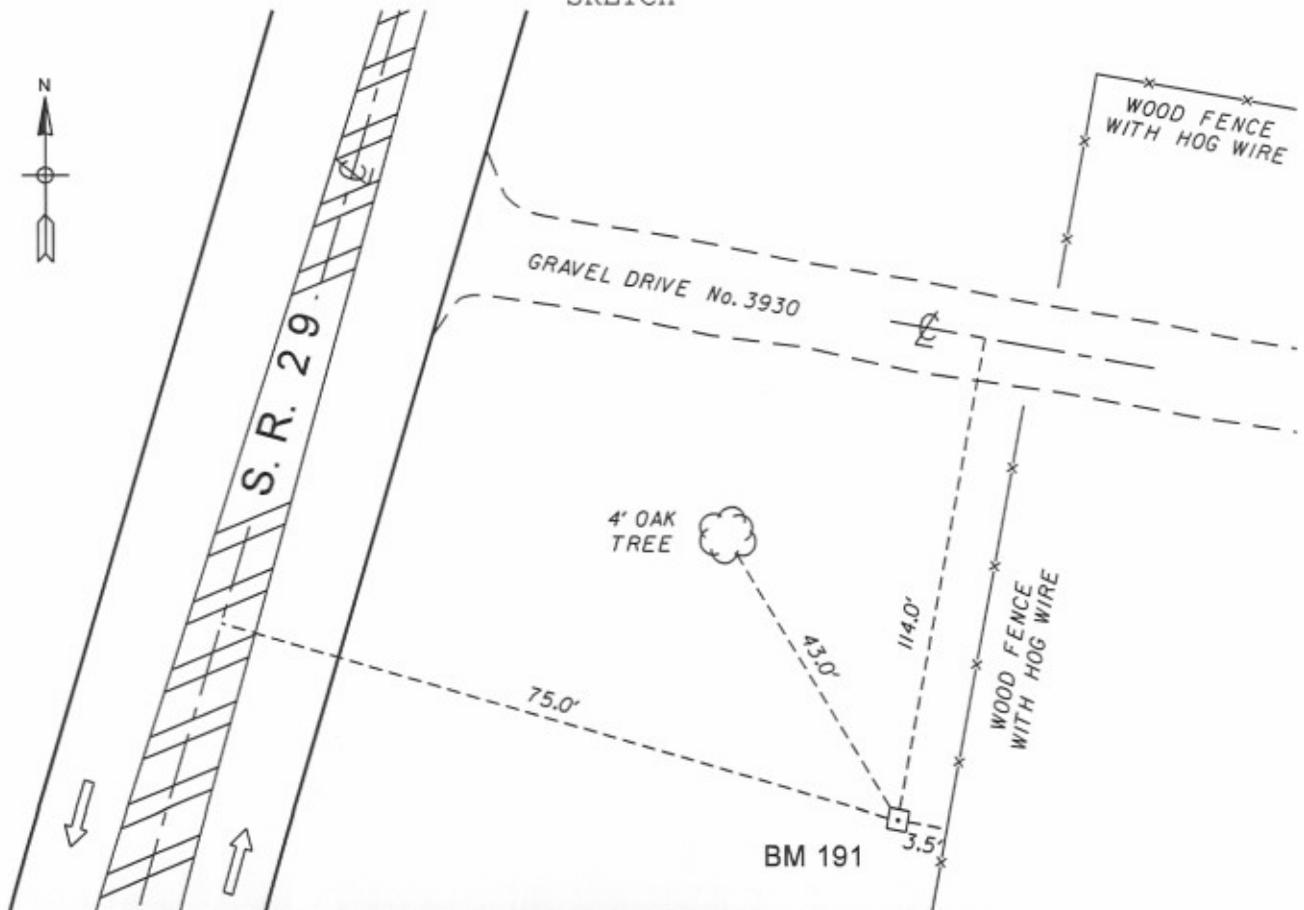
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTESECTION  
OF S.R. 29 AND S.R. 78 GO SOUTH ON S.R. 29 FOR 2.4 MILES TO MARK IN THE EAST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT,  
STAMPED "BM 191", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 77.36 FT. RIGHT OF GEOMETRY ALIGNMENT,  
STA. 68+70.263; 75.0 FT. SOUTHEAST OF THE CENTER LINE OF S.R. 29; 3.5 FT. NORTHWEST OF  
OF A WOOD FENCE WITH HOG WIRE; 114.0 FT. SOUTHWESTERLY OF CENTER LINE OF GRAVEL  
DRIVE No. 3930; 43.0 FT. SOUTHEAST OF A 4 FT. OAK TREE.

SEARCH COORDINATES   
STATE PLANE COORDINATES  X = 513800 Y = 891096

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 06.955  
NAME OR DESIGNATION BM 192 ELEVATION (Feet): 22.817  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID: 193957-3  
SECTION 28 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

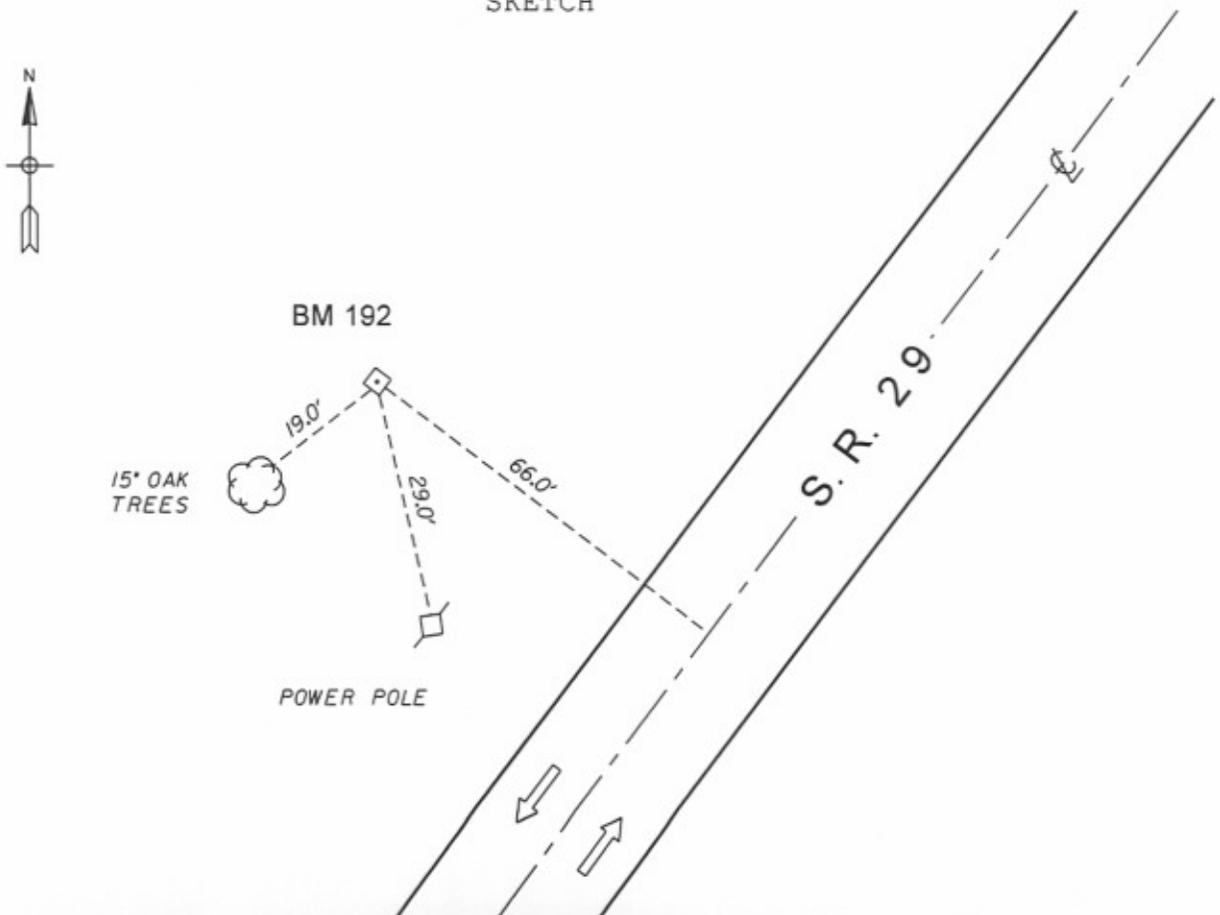
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 2.1 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 192". SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 67.08 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 85+33.90; 66.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 19.0 FT. NORTHEASTERLY OF A 15 INCHES OAK TREE; 29.0 FT. NORTHWESTERLY OF A POWER POLE.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 514649 Y = 892517

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 08.007  
NAME OR DESIGNATION BM 193 ELEVATION (Feet): 26.269  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID: 193957-3  
SECTION 28 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

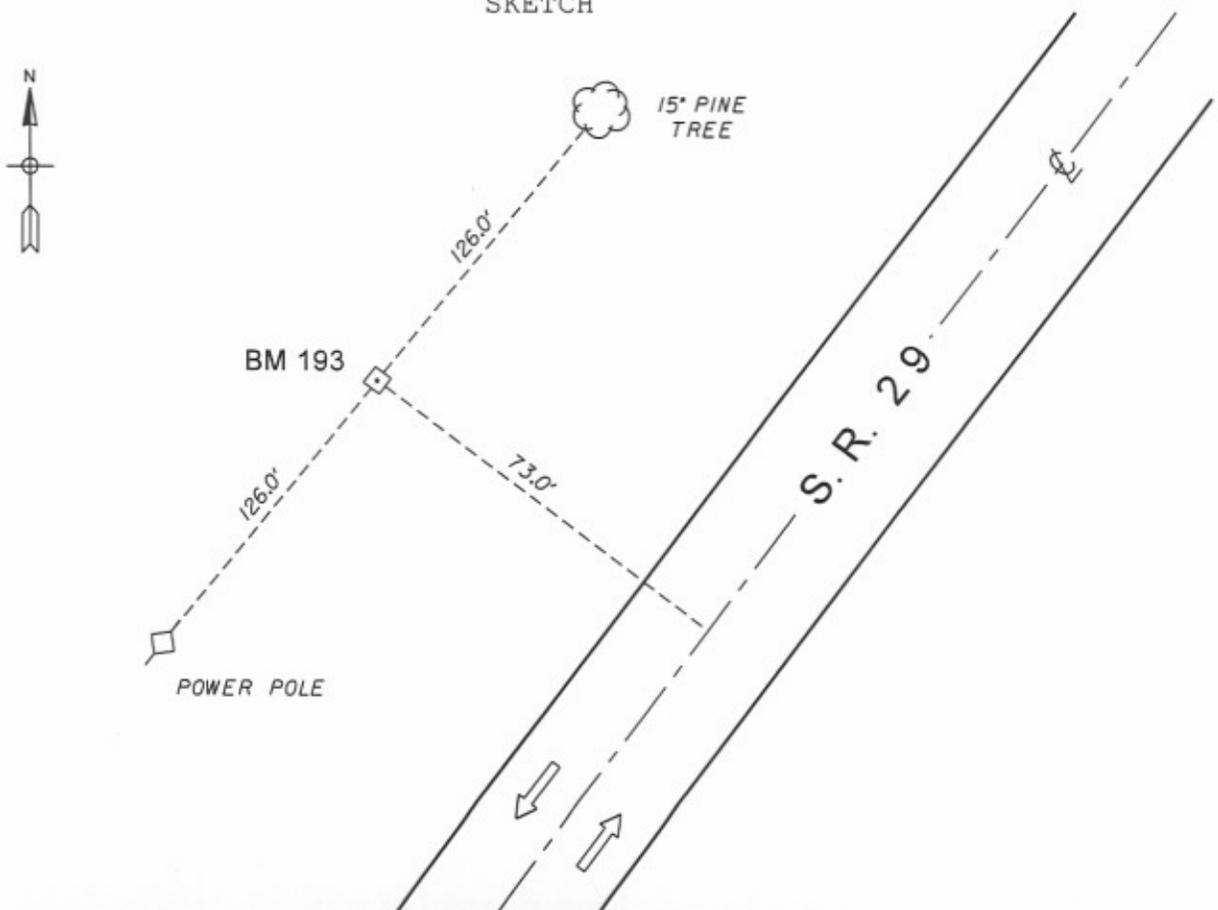
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 1.9 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 193", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 73.35 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 93+46.03; 73.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 126.0 FT. SOUTHWESTERLY OF A 15 INCHES PINE TREE; 126.0 FT. NORTHEASTERLY OF A POWER POLE.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 515144 Y = 893160

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW x RECOVERED - DESTROYED - ELEVATION (Meters): 09.008  
NAME OR DESIGNATION BM 194 ELEVATION (Feet): 29.553  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID: 193957-3  
SECTION 28 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

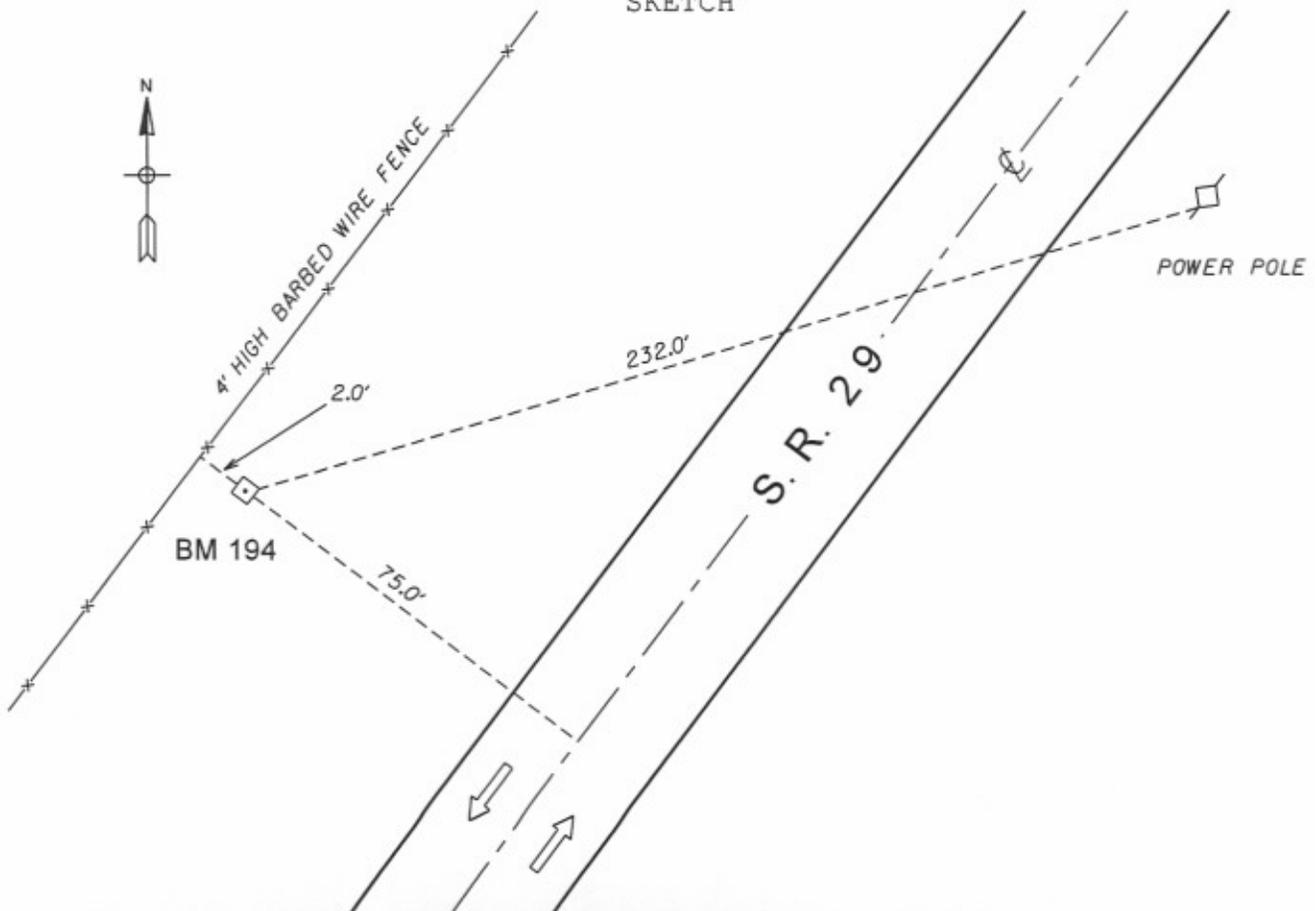
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 1.8 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 194", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 76.23 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 101+97.04; 75.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 232.0 FT. SOUTHWESTERLY OF A POWER POLE, (ACROSS THE ROAD); 2.0 FT. SOUTHEAST OF 4 FT. HIGH BARBED WIRE FENCE.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 515666 Y = 893833

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

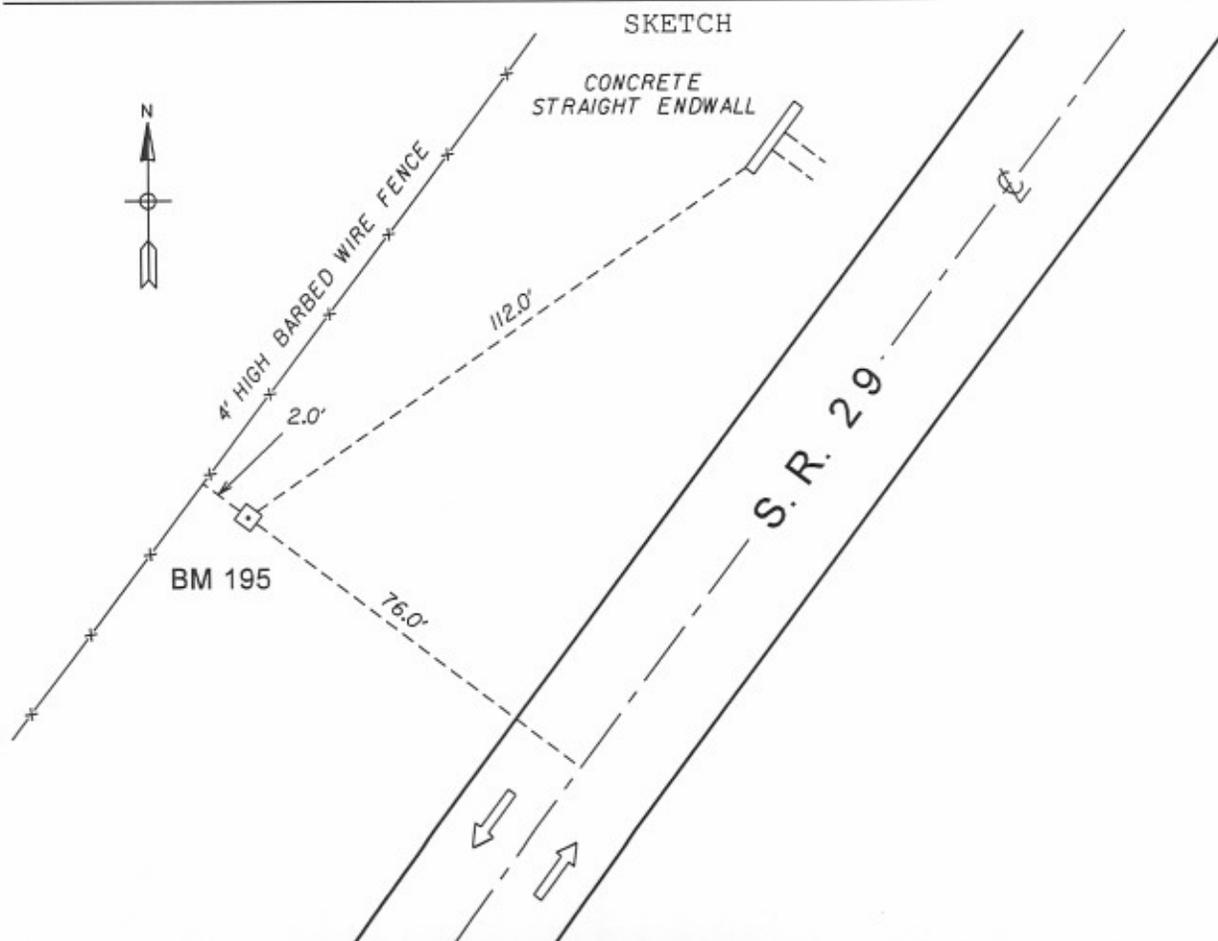
VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 09.210  
NAME OR DESIGNATION BM 195 ELEVATION (Feet): 30.215  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID: 193957-3  
SECTION 28 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 1.6 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 195", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 76.37 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 110+27.17; 76.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 2.0 FT. SOUTHEASTERLY OF A FENCE LINE; 112.0 FT. SOUTHWEST OF THE SOUTHWEST CORNER OF A STRAIGHT ENDWALL.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 516177 Y = 894488



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

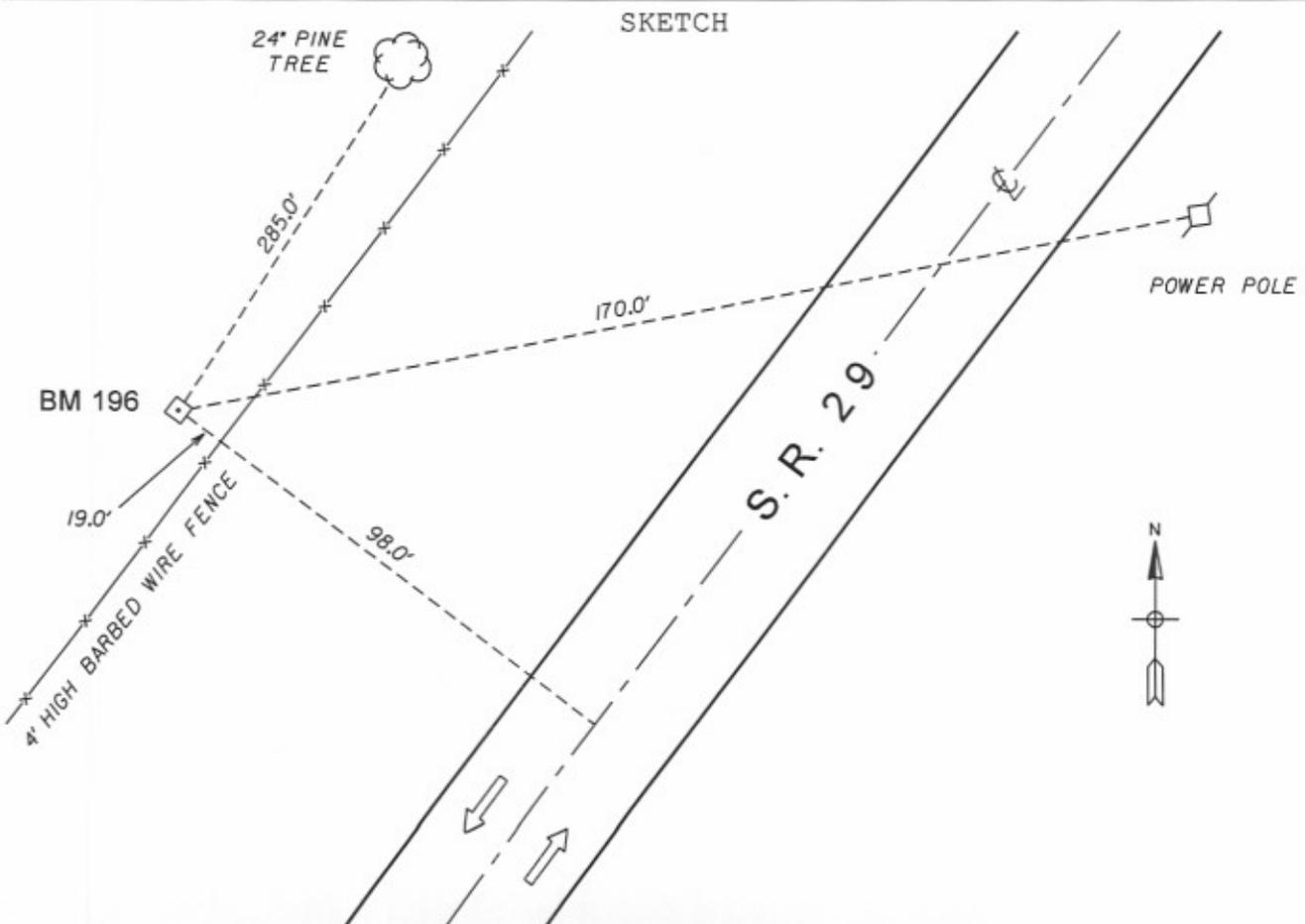
VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW x RECOVERED - DESTROYED - ELEVATION (Meters): 09.832  
NAME OR DESIGNATION BM 196 ELEVATION (Feet): 32.256  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID : 193957-3  
SECTION 28 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 1.5 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 196", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 98.22 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 118+47.715; 98.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 19.0 FT. NORTHWESTERLY OF A FENCE POST ON FENCE LINE; 285.0 FT. SOUTHWESTERLY OF A 24 INCHES PINE TREE; 170.0' SOUTHWESTERLY OF A POWER POLE (ACROSS THE ROAD).

SEARCH COORDINATES   
STATE PLANE COORDINATES  X = 516665 Y = 895148



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 10.293  
NAME OR DESIGNATION BM 197 ELEVATION (Feet): 33.769  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID : 193957-3  
SECTION 21 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

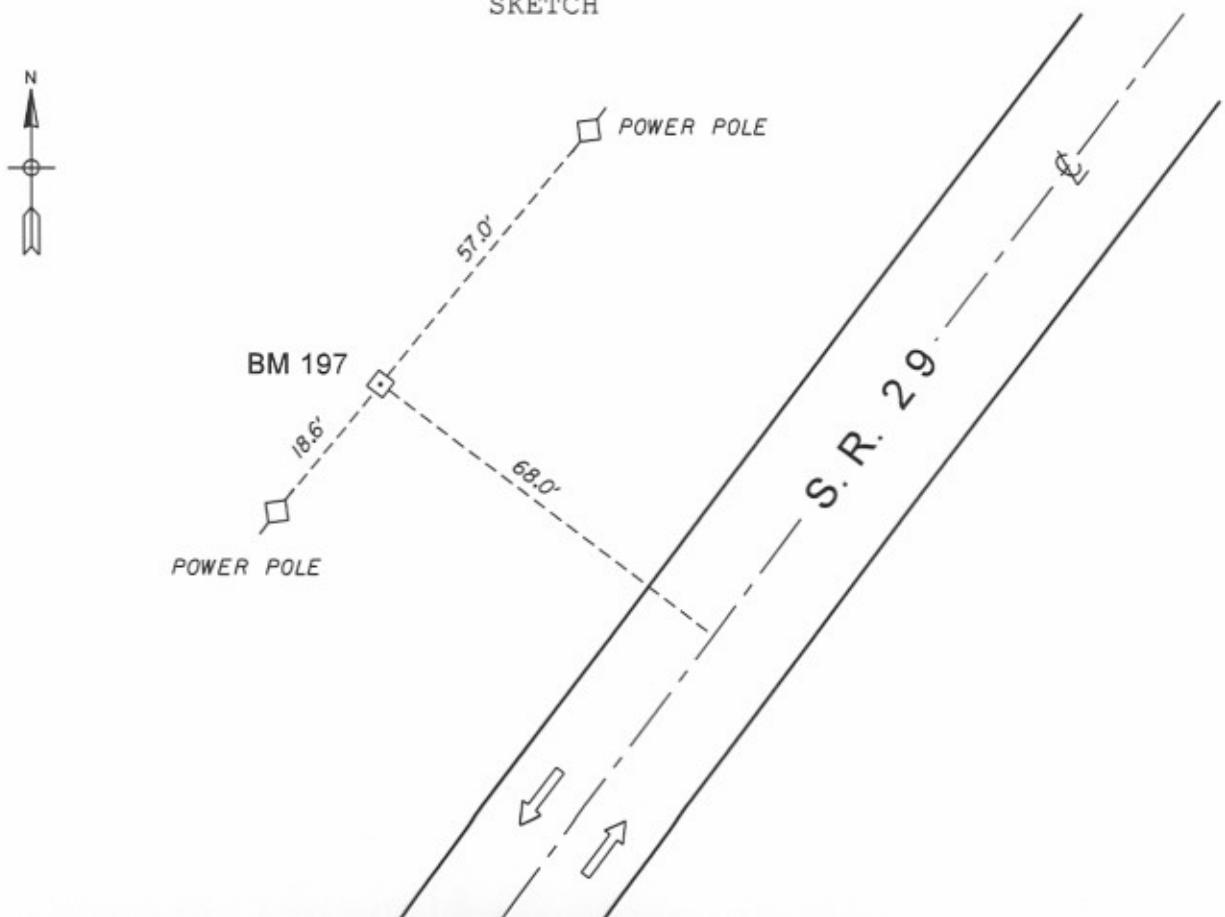
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 1.2 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 197", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 69.35 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 136+37.77; 68.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 18.6 FT. NORTHEASTERLY OF A POWER POLE; 57.0 FT. SOUTHWESTERLY OF A POWER POLE.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 517790 Y = 896541

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 10.693  
NAME OR DESIGNATION BM 198 ELEVATION (Feet): 35.081  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID : 193957-3  
SECTION 31 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

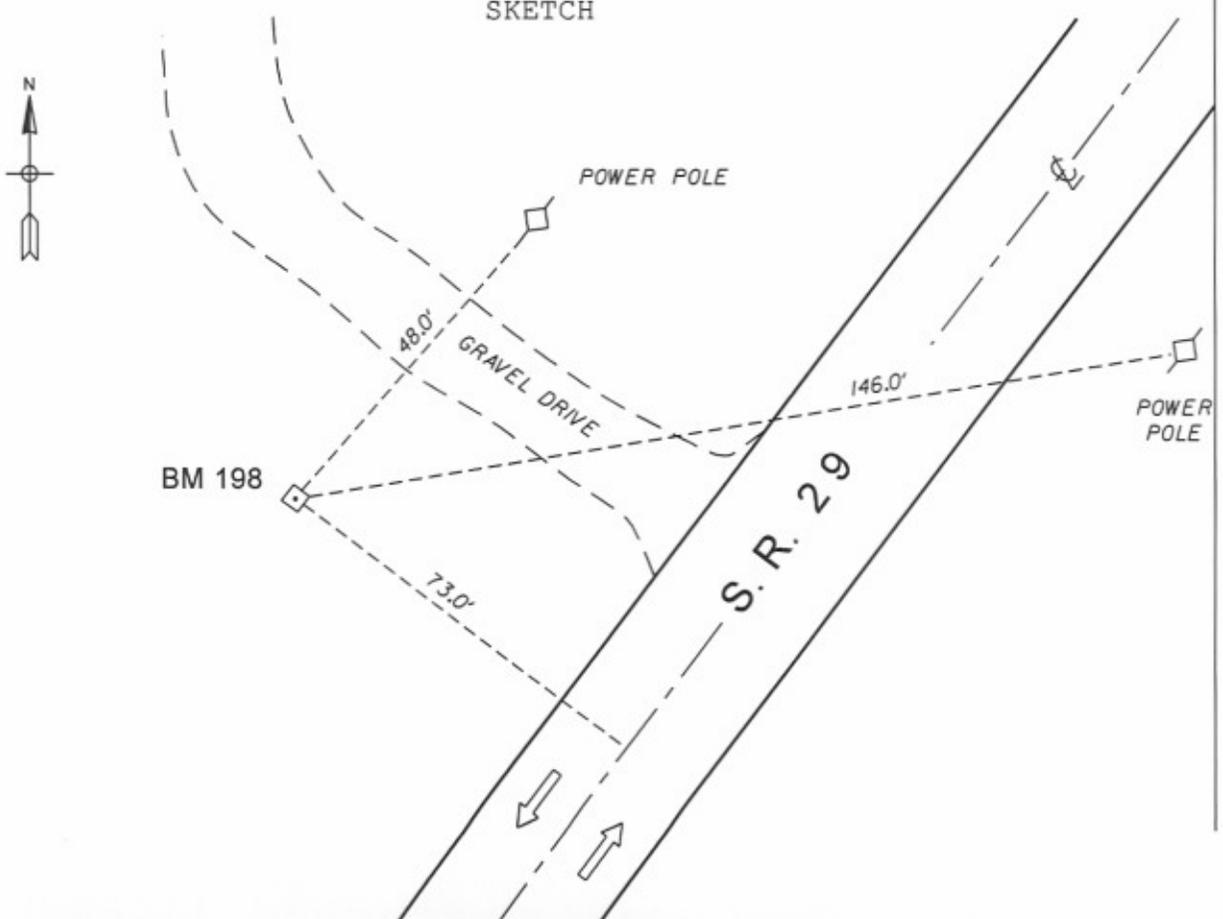
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 1.0 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 198", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 73.90 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 144+67.68; 73.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 48.0 FT. SOUTHWESTERLY OF A POWER POLE; 146.0 FT. SOUTHWESTERLY OF A POWER POLE (ACROSS THE ROAD).

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 518297 Y = 897197

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

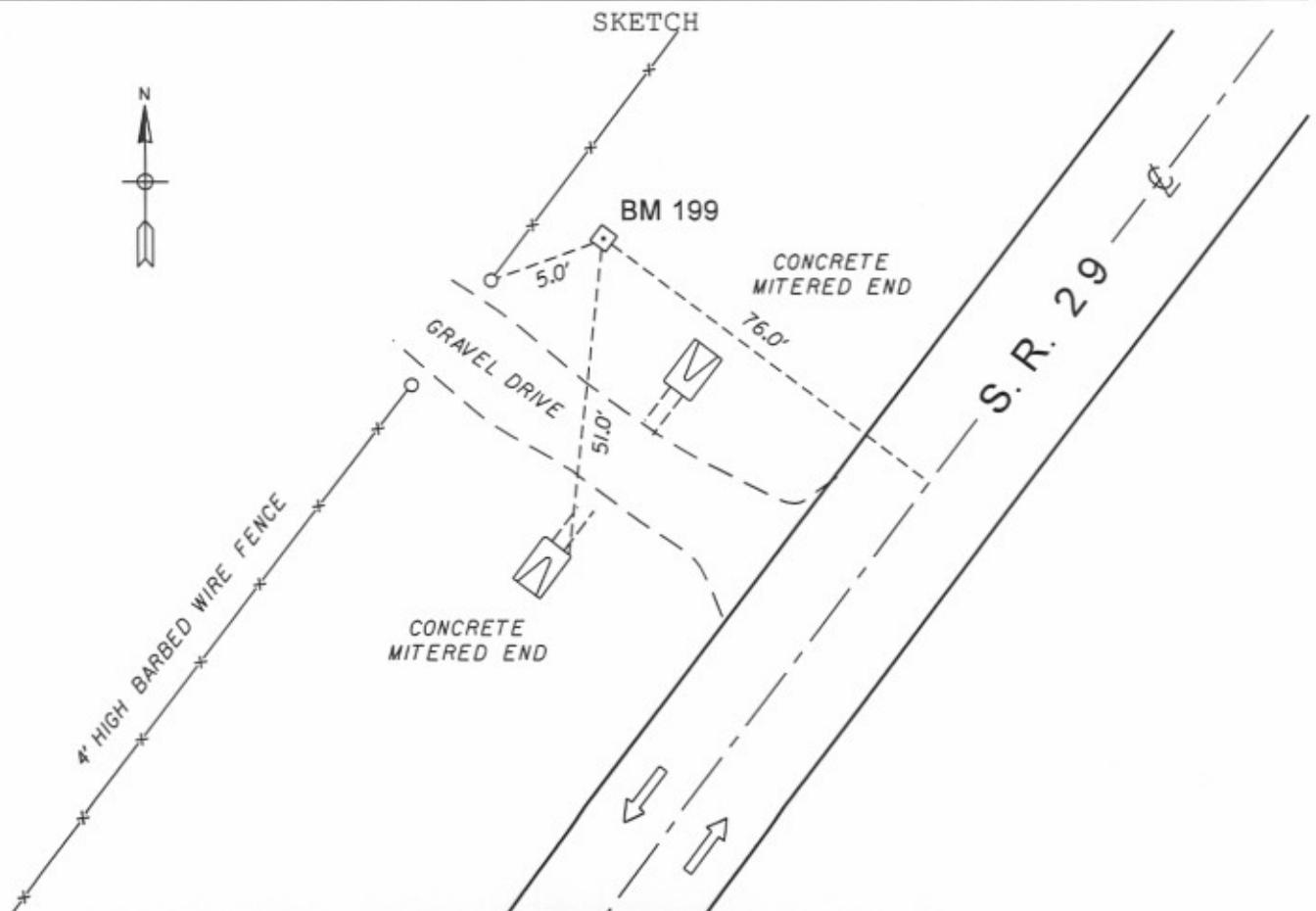
VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 10.532  
NAME OR DESIGNATION BM 199 ELEVATION (Feet): 34.553  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID: 193957-3  
SECTION 32 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 0.3 MILE TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 199", SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 77.96 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 176+56.95; 76.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 51.0 FT. NORTHERLY OF THE NORTHEAST CORNER OF CONCRETE MITERED END SECTION; 5.0 FT. NORTHEAST OF A FENCE GATE POST.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 520257 Y = 899713



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW X RECOVERED - DESTROYED - ELEVATION (Meters): 10.318  
NAME OR DESIGNATION BM 200A ELEVATION (Feet): 33.853  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID: 193957-3  
SECTION 22 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

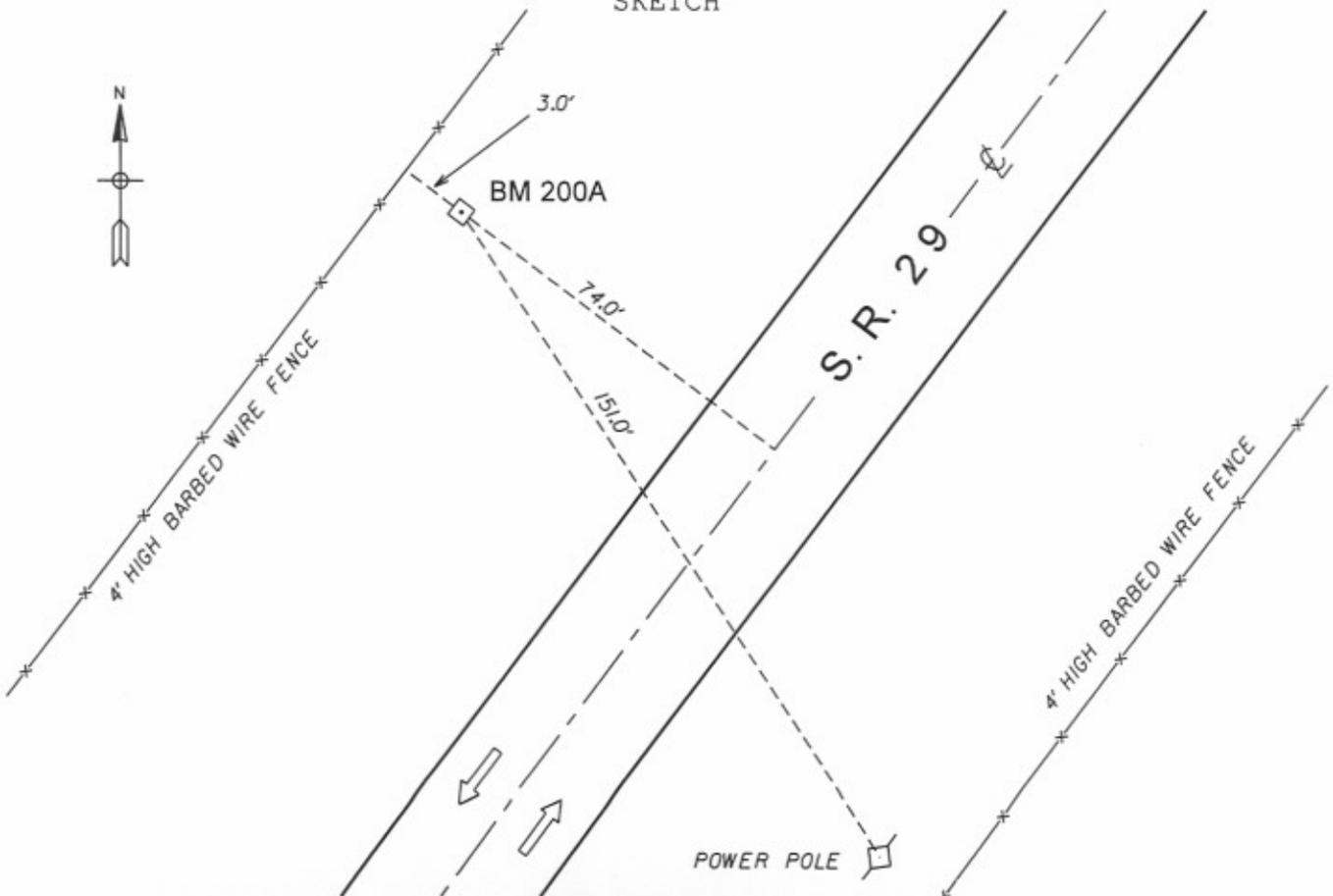
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 0.1 MILE TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD F.D.O.T. BRONZE DISK IN 4" x 4" CONCRETE MONUMENT STAMPED "BM 200A". SET FLUSH WITH GROUND.

LOCATION DESCRIPTION: BENCHMARK IS 76.68 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 189+64.90; 74.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 151.0 FT. NORTHWESTERLY OF A POWER POLE (ACROSS THE ROAD); 3.0 FT. SOUTHEASTERLY OF A 4 FT. HIGH BARBED WIRE FENCE.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 521063 Y = 900743

SKETCH



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW - RECOVERED X DESTROYED - ELEVATION (Meters): 10.410  
NAME OR DESIGNATION G 519 ELEVATION (Feet): ~~34.154~~ 34.144  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID: 193957-3  
SECTION 22 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

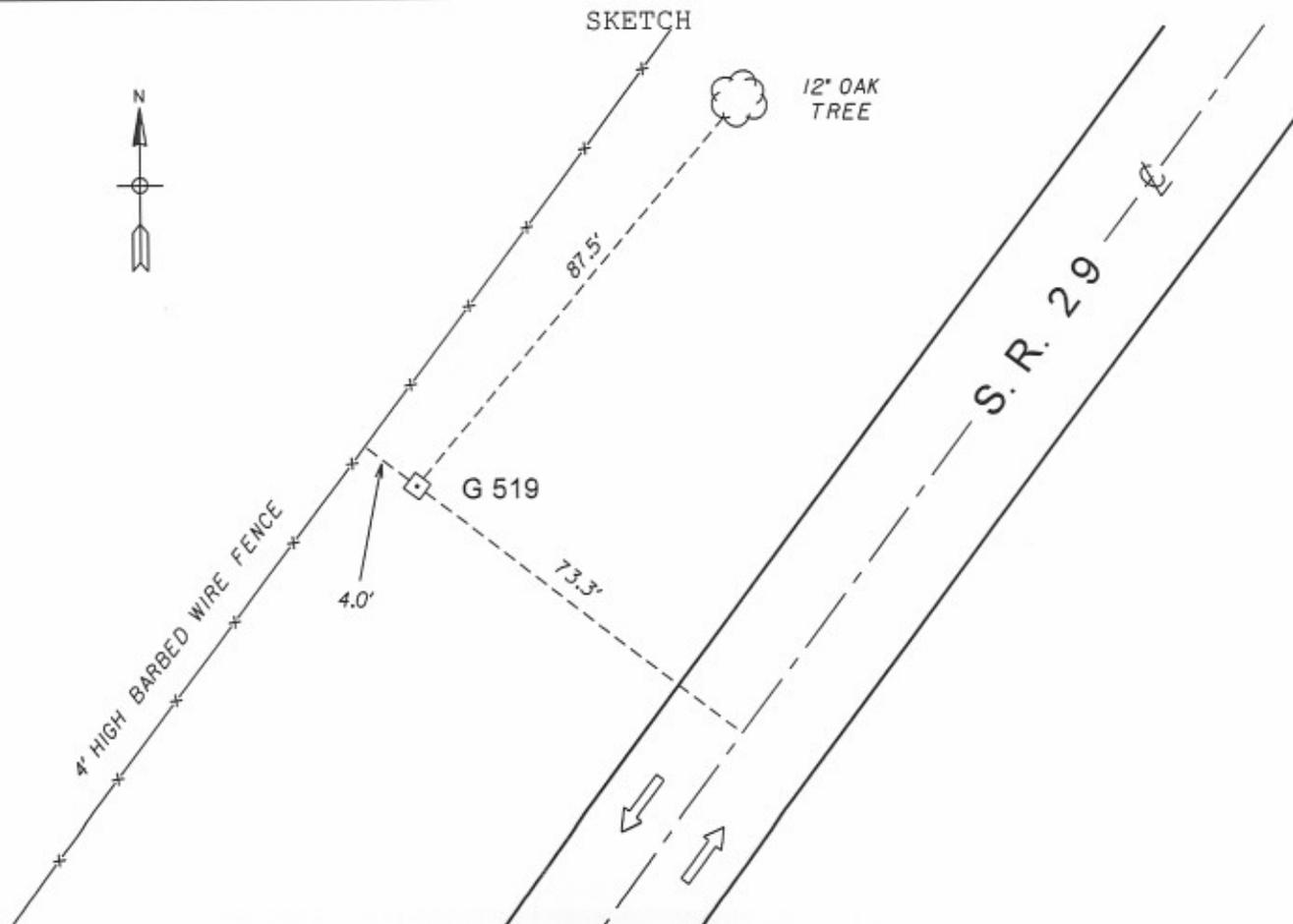
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 0.2 MILE TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD U.S. ARMY CORPS OF ENGINEERS BRONZE DISK IN TOP OF CONCRETE MONUMENT STAMPED "G 519 2001 CERP".

LOCATION DESCRIPTION: BENCHMARK IS 75.97 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 182+46.43; 73.3 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 87.5 FT. SOUTHWESTERLY OF A 12 INCHES OAK TREE; 4.0 FT. SOUTHEASTERLY OF A FENCE POST WITH A PK NAIL AND F.D.O.T. DISK.

SEARCH COORDINATES

STATE PLANE COORDINATES  X = 520622 Y = 900177



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

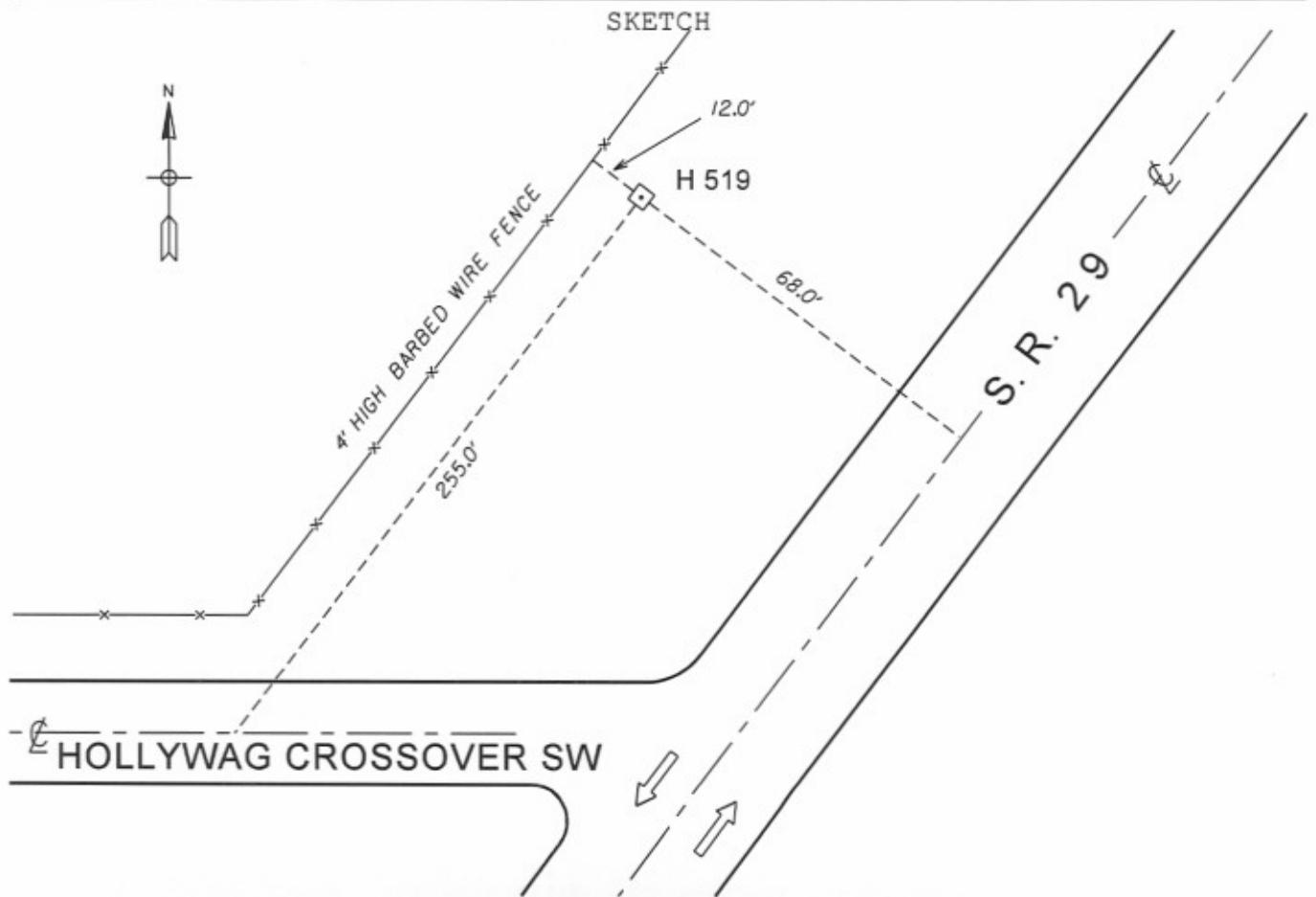
VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW - RECOVERED X DESTROYED - ELEVATION (Meters): 09.822  
NAME OR DESIGNATION H 519 ELEVATION (Feet): 32.224  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID : 193957-3  
SECTION 21 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 1.3 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: STANDARD U.S. ARMY CORPS OF ENGINEERS BRONZE DISK IN TOP OF CONCRETE MONUMENT STAMPED "H 519 2001 CERP".

LOCATION DESCRIPTION: BENCHMARK IS 66.36 FT. LEFT OF GEOMETRY ALIGNMENT, STA. 127+97.25; 68.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 255.5 FT. NORTHEAST OF THE CENTER LINE OF ROAD HOLLYWAG CROSSOVER SW; 12.0 FT. SOUTHEASTERLY OF A 4 FT. HIGH BARBED WIRE FENCE.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 517275 Y = 895876



D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

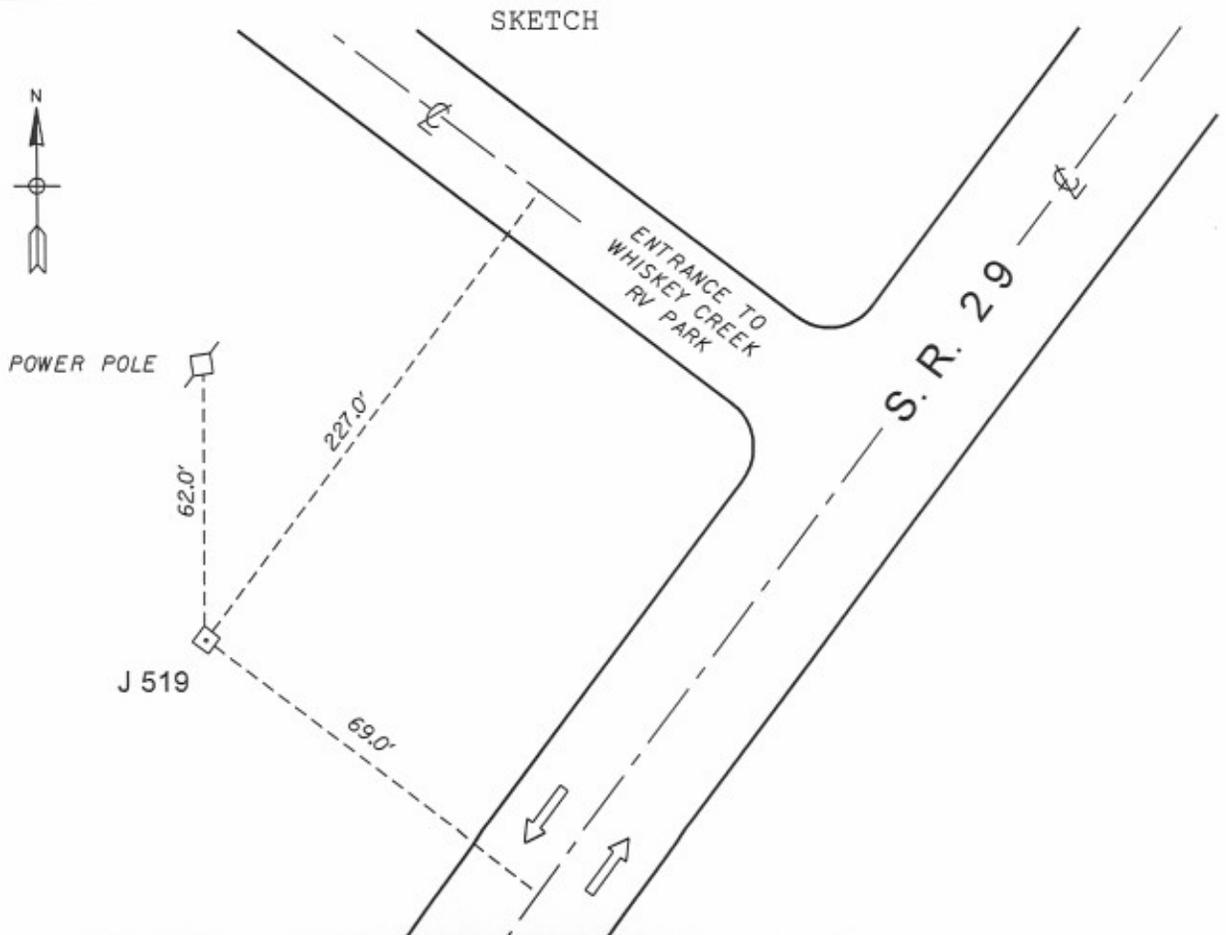
VERTICAL DATUM NGVD 1929 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
HORIZONTAL DATUM - ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
NEW - RECOVERED X DESTROYED - ELEVATION (Meters): 06.366  
NAME OR DESIGNATION J 519 ELEVATION (Feet): 20.887  
DATE ESTABLISHED (Recovered) JAN. 2003 S.L.D. MILEPOST: -  
COUNTY GLADES S.R. No. 29 FINANCIAL PROJECT ID : 193957-3  
SECTION 29 TOWNSHIP 42 S. RANGE 29 E. STATE PROJECT No.: 05090-0000  
PARTY CHIEF C.H. GIL FIRM DENI ASSOC. INC. FIELD BOOK No.: 500594

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: AT THE INTERSECTION OF S.R. 29 AND S.R. 78, GO SOUTH ON S.R. 29 FOR 2.3 MILES TO MARK, ON THE WEST SIDE OF ROAD.

DESCRIPTION OF MARK: FLANGE ENCASED STAINLESS STEEL ROD  
STAMPED "J 519 2001 CERP".

LOCATION DESCRIPTION: BENCHMARK IS 70.58 FT. LEFT OF GEOMETRY ALIGNMENT,  
STA. 77+04.97; 69.0 FT. NORTHWEST OF THE CENTER LINE OF S.R. 29; 62.0 FT. SOUTHWESTERLY  
OF A POWER POLE; 227.0 FT. SOUTHWESTERLY OF THE CENTER LINE OF THE ENTRANCE OF  
WHISKEY CREEK RV PARK.

SEARCH COORDINATES  STATE PLANE COORDINATES  X = 514136 Y = 891866



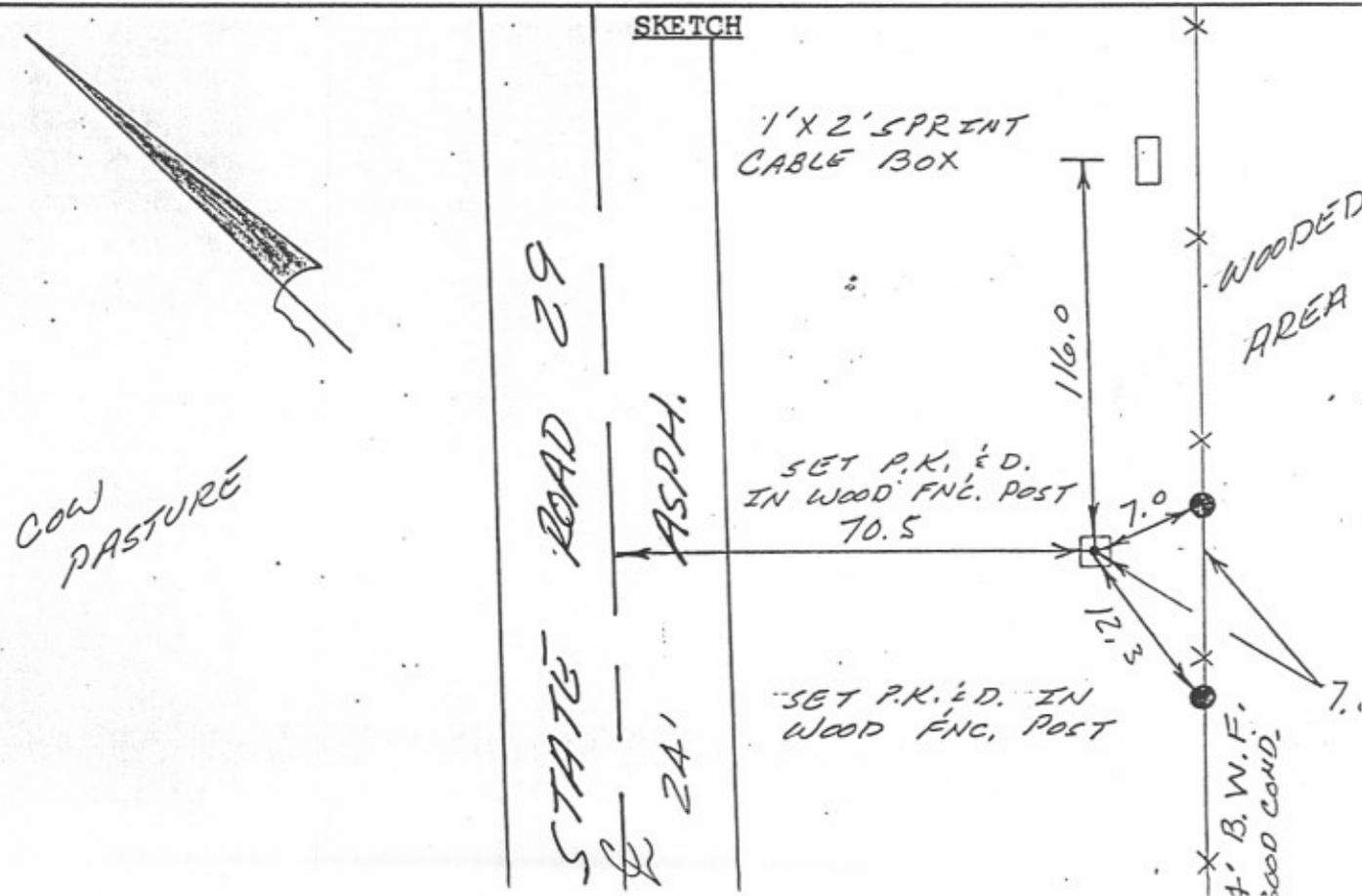
D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 29 ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
 HORIZONTAL DATUM \_\_\_\_\_ ESTABLISHED BY (MARK ONE) NETWORK OR GPS  
 NEW  RECOVERED  <sup>JAN. 2003</sup> DESTROYED \_\_\_\_\_ ELEVATION (Meters): \_\_\_\_\_  
 NAME OR DESIGNATION B.M. 200 ELEVATION (Feet): 33.967  
 DATE ESTABLISHED (Recovered): 3-25-02 S.L.D. MILEPOST: \_\_\_\_\_  
 COUNTY: GLADES S.R. NO.: 29 FINANCIAL PROJECT NO.: 193957  
 SECTION: 22 TOWNSHIP: 42S RANGE: 29E STATE PROJECT NO.: \_\_\_\_\_  
 PARTY CHIEF: W.C. GREENE FIRM: F. D. O. T. FIELD BOOK NO.: 500224  
 DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: 0.2 MILES  
SW OF S.R. 78

DESCRIPTION OF MARK: STD. 4" X 4" F. D. O. T. CONE.  
MON. STAMPED B.M. #200

LOCATION DESCRIPTION: 70.5 SE OF E S.R. 29 ~ 116.0  
SW OF A TEL. CABLE BOX ~ 7.0 WEST OF A WOOD FNC.  
POST ~ 7.0 NW OF A 4' B.W.F. 12.3 NORTH OF A WOOD  
FNC. POST ~ 6.6 NW OF A METAL WITNESS POST

SEARCH COORDINATES   
 STATE PLANE COORDINATES  X = \_\_\_\_\_ Y = \_\_\_\_\_



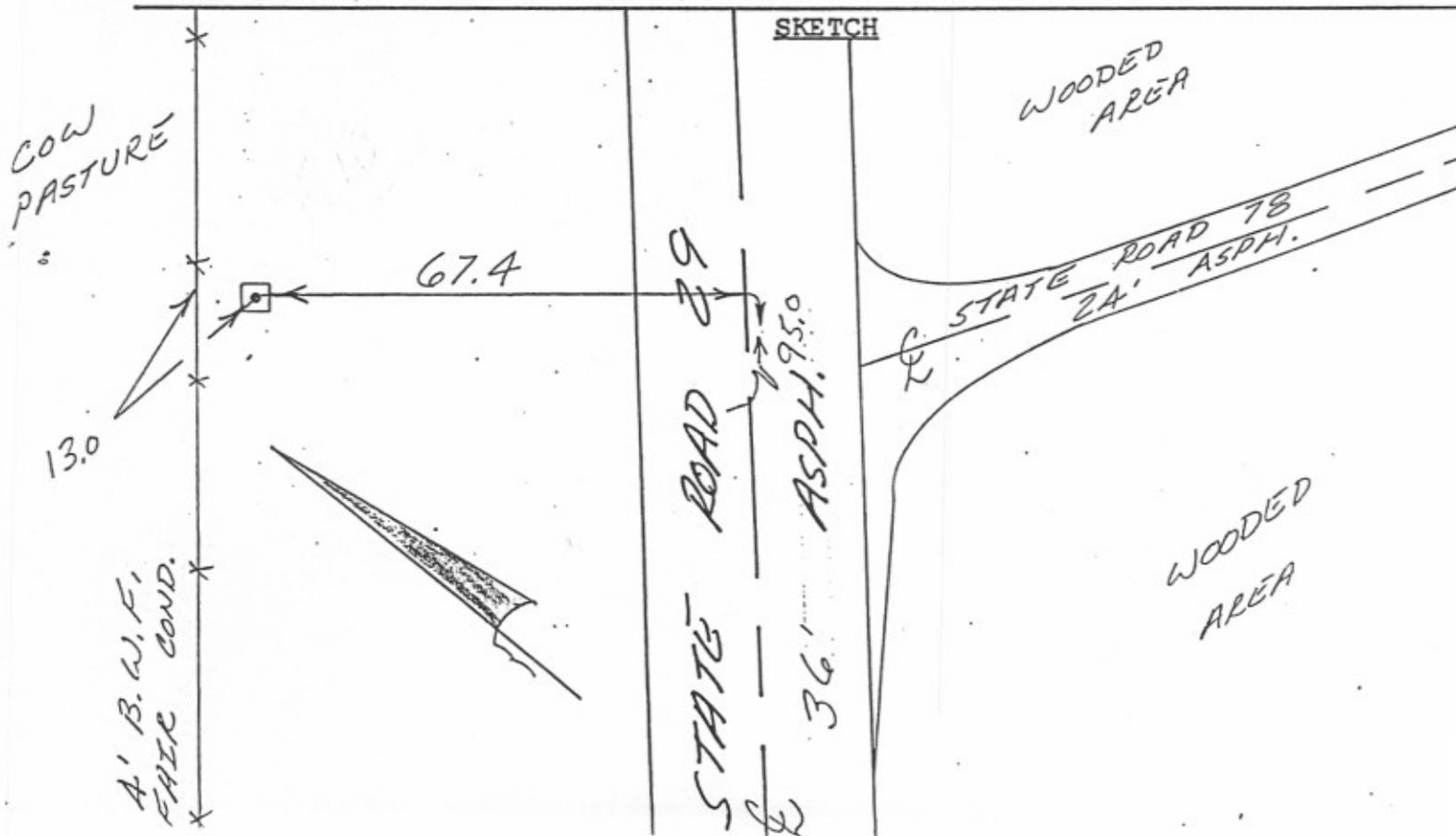
D.O.T. BENCH MARK FORM / PRIMARY NETWORK CONTROL

VERTICAL DATUM NGVD 29 ESTABLISHED BY (MARK ONE) NETWORK OR-GPS  
HORIZONTAL DATUM \_\_\_\_\_ ESTABLISHED BY (MARK ONE) NETWORK OR-GPS  
NEW  RECOVERED  <sup>JAN 2003</sup> DESTROYED \_\_\_\_\_ ELEVATION (Meters): \_\_\_\_\_  
NAME OR DESIGNATION B.M. 201 ELEVATION (Feet): 33.274  
DATE ESTABLISHED (Recovered): 3-25-02 S.L.D. MILEPOST : \_\_\_\_\_  
COUNTY: GLADES S.R. NO.: 29 FINANCIAL PROJECT NO.: 193957  
SECTION: 15 TOWNSHIP: 42S RANGE: 29E STATE PROJECT NO.: \_\_\_\_\_  
PARTY CHIEF: W.C. GREENE FIRM: F.D.O.T. FIELD BOOK NO.: 500224  
DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: 95 FEET  
NE OF & S.R. 78

DESCRIPTION OF MARK: STD. 4" X 4" F.D.O.T. CONC.  
MON. STAMPED B.M. # 201

LOCATION DESCRIPTION: 67.4 NW OF & S.R. 78 ~  
13.0 SE OF A 4' B.W. F.M.C. ~ 8.3 SE OF  
A METAL WITNESS POST

SEARCH COORDINATES   
STATE PLANE COORDINATES  X = \_\_\_\_\_ Y = \_\_\_\_\_



D. O. T. BENCH MARK FORM

DATUM N.G.V.D. 1929

NEW X RECOVERED ✓ DESTROYED JAN 2003 ELEVATION (Meters): 10.665

NAME OR DESIGNATION BM 31 ELEVATION (Feet): 34.991

DATE ESTABLISHED (Recovered): 10/10/95 S. L. D. MILEPOST: 1.663

COUNTY: GLADES S. R. NO. 29 STATE PROJECT NO.: 05090-1511

SECTION: 21 TOWNSHIP: 42 RANGE: 29

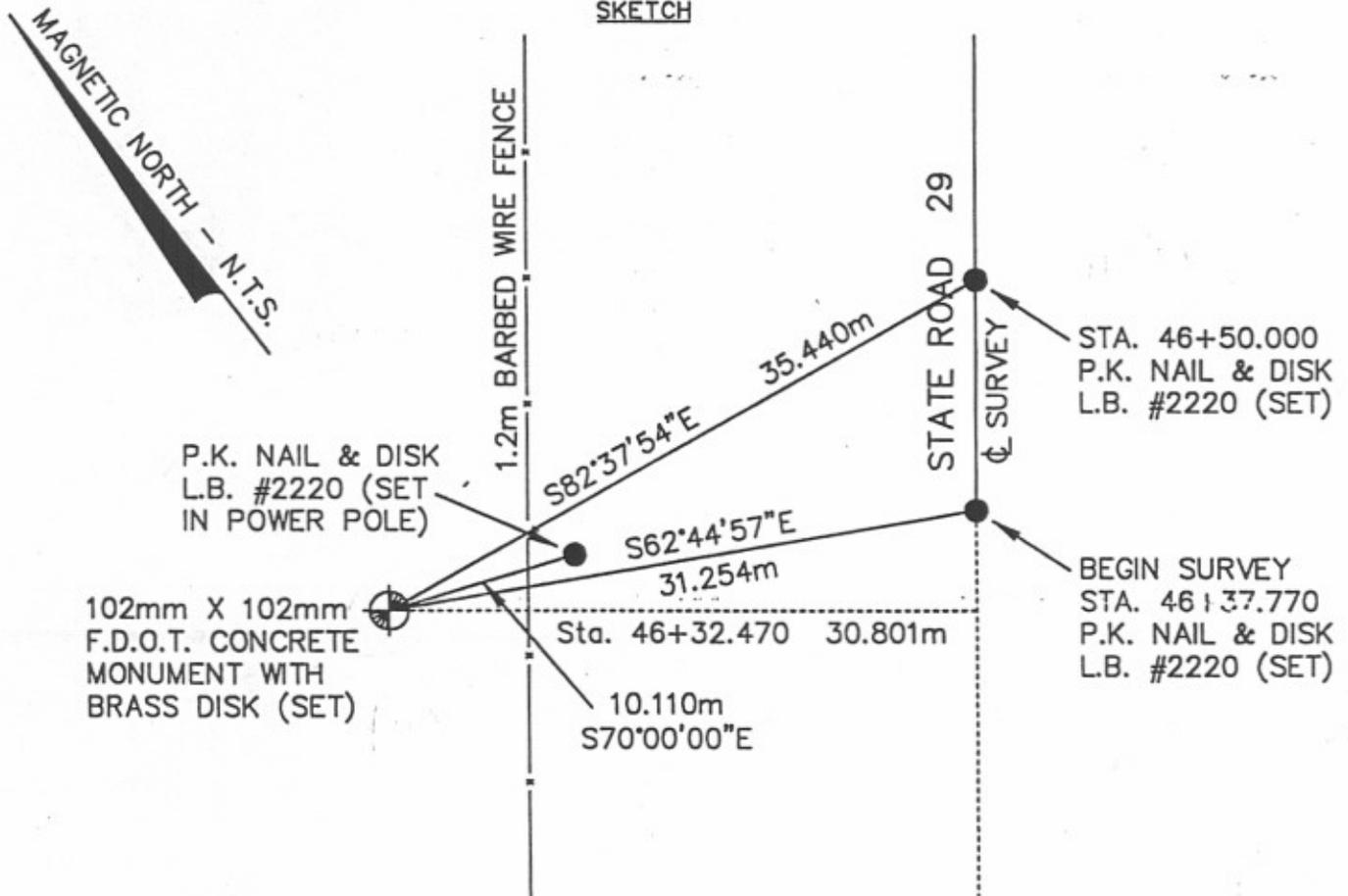
PARTY CHIEF: Denmark FIRM: Genesis Group, Inc. FIELD BOOK NO.: 12356/12358

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: From the intersection of State Road 78 and State Road 29, proceed Southerly along State Road 29, 1.3 kilometers (0.81 miles) to station on the left.

DESCRIPTION OF MARK: Standard FDOT Concrete Monument with Brass Disk.

LOCATION DESCRIPTION: Located along State Road 29, Sta. 46+32.470, 30.801m left.

SKETCH



D. O. T. BENCH MARK FORM

DATUM N.G.V.D. 1929

NEW X RECOVERED ✓ IAN 2003 DESTROYED \_\_\_\_\_ ELEVATION (Meters): 10.283

NAME OR DESIGNATION BM 32 ELEVATION (Feet): 33.738

DATE ESTABLISHED (Recovered): 10/10/95 S. L. D. MILEPOST: 1.830

COUNTY: GLADES S. R. NO. 29 STATE PROJECT NO.: 05090-1511

SECTION: 21 TOWNSHIP: 42 RANGE: 29

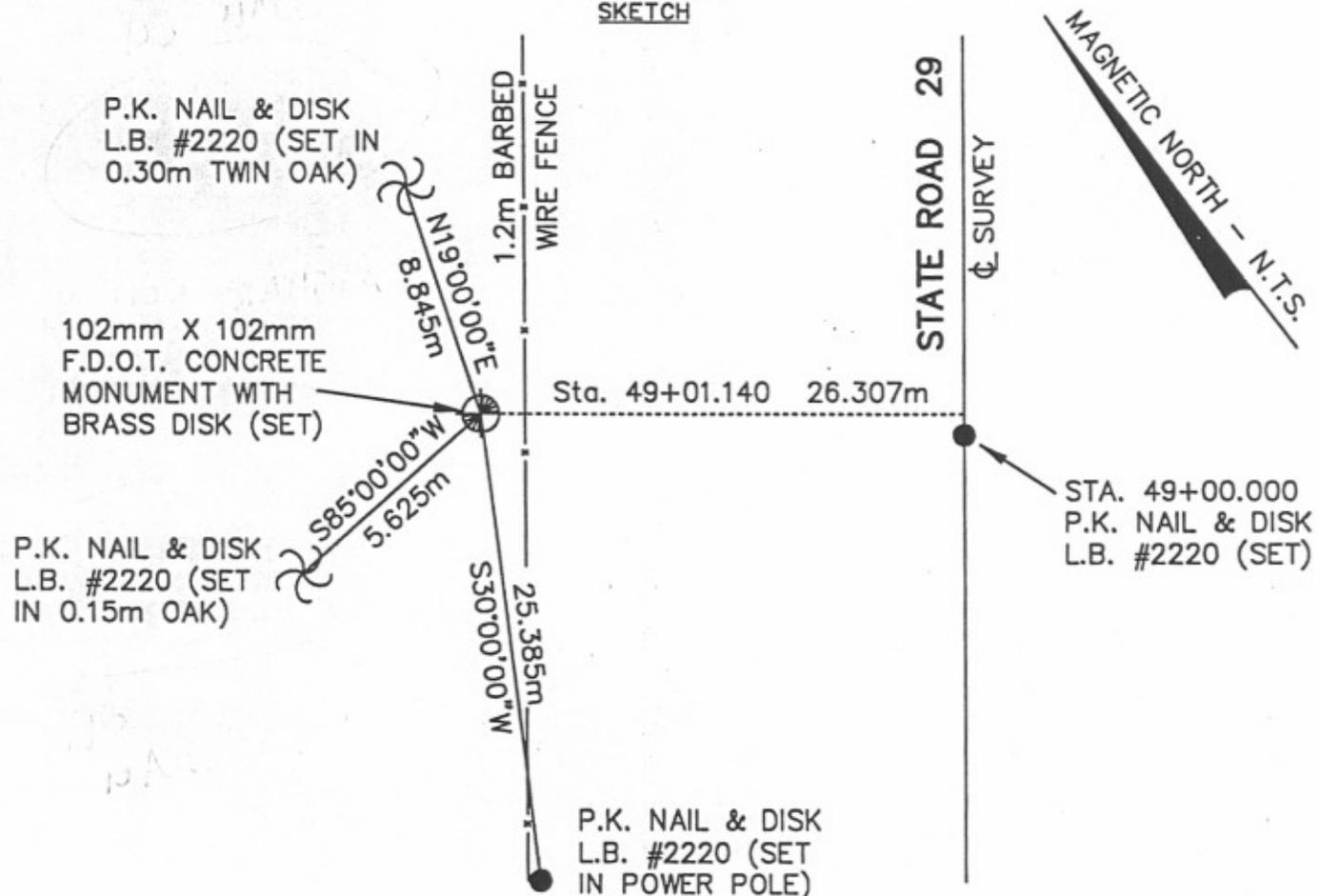
PARTY CHIEF: Denmark FIRM: Genesis Group, Inc. FIELD BOOK NO.: 12356/12358

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: From the intersection of State Road 78 and State Road 29, proceed Southerly along State Road 29, 1.0 kilometers (0.62 miles) to station on the left.

DESCRIPTION OF MARK: Standard FDOT Concrete Monument with Brass Disk.

LOCATION DESCRIPTION: Located along State Road 29, Sta. 49+01.140, 26.307m left.

SKETCH



D. O. T. BENCH MARK FORM

DATUM N.G.V.D. 1929

NEW X RECOVERED ✓ Jan 2003 DESTROYED \_\_\_\_\_ ELEVATION (Meters): 10.550

NAME OR DESIGNATION \_\_\_\_\_ BM 33 ELEVATION (Feet): 34.613

DATE ESTABLISHED (Recovered): 10/10/95 S. L. D. MILEPOST: 2.015

COUNTY: GLADES S. R. NO. 29 STATE PROJECT NO.: 05090-1511

SECTION: 21 TOWNSHIP: 42 RANGE: 29

PARTY CHIEF: Denmark FIRM: Genesis Group, Inc. FIELD BOOK NO.: 12356/12358

DISTANCE AND DIRECTION FROM NEAREST MAJOR INTERSECTION: From the Intersection of State Road 78 and State Road 29, proceed Southerly along State Road 29, 0.7 kilometers (0.45 miles) to station on the left.

DESCRIPTION OF MARK: Standard FDOT Concrete Monument with Brass Disk.

LOCATION DESCRIPTION: Located along State Road 29, Sta. 51+98.660, 32.006m left.

SKETCH

