

SECOND-ORDER LEVELING
NATIONAL GEODESIC VERTICAL DATUM OF 1929

177
35-078-11
SPRING HOPE QUADRANGLE
NORTH CAROLINA
N3545-W7800/15
DIAGRAM NI 17-3
RALEIGH

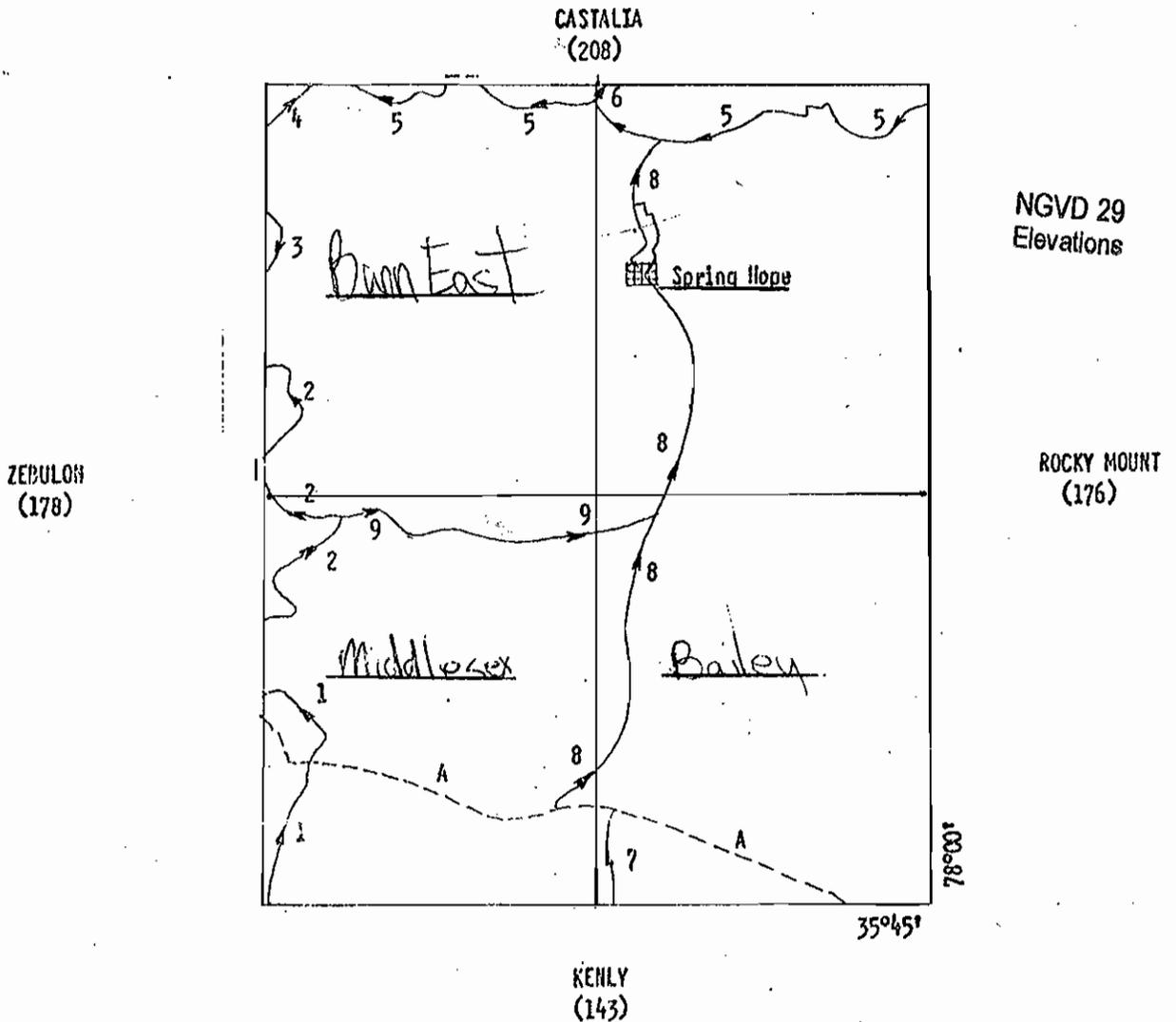
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Franklin, Nash, Wilson, and Johnston Counties

Final adjustment of 1975

Edition of 2/27/76

PR: WSM/ale



NGS (USCRGS) VERTICAL CONTROL DATA

A. Quadrangle 350781

NGVD 29
Elevations

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Good 3/58 JDB

Good 4/83 JDB

NGVD 29
 Elevations

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 Elevations

SPRING HOPE QUADRANGLE
Bks. 9357 and B 9454

177 NORTH CAROLINA

Carroll Caldwell, 1902
F. C. Black, 1902

ISOLATED BENCH MARKS (By Carroll Caldwell and F. C. Black, 1902; Books
9357 and B 9454)

Feet

Springhope, 60 ft NW. of NW. rail of main track of Atlantic Coast Line; 40 ft from
line of NE. end of station; 85 ft SW. of center of Pine Street; on property line
of North Railroad Street; on iron post; standard cap stamped "259 RALEIGH"

260.766

Stanhope, S. side of Raleigh Road; opposite rd. from Springhope; on iron post; standard
cap stamped "244 RALEIGH"

245.705

Strickland, at crossroads; in SE. corner of Ed Strickland's yard, behind large gate when
open; on iron post; standard cap stamped "177 RALEIGH"

178.258

Bunn, at NW. corner of post office; 20 ft E. of center of rd.; on iron post; standard
cap stamped "295 RALEIGH"

295.241

Hunts, at S.W. corner of Dr. Edward's office; on iron post; standard cap stamped
"287 RALEIGH"

287.510

Oakland, SW. corner of Barnes's store; 40 ft W. of center of rd.; on iron post; standard
cap stamped "240 RALEIGH"

240.928

Eatmon, 100 ft NW. of; 20 ft E. of rd.; 50 ft S. of rd. forks; on iron post; standard
cap stamped "240 RALEIGH" (misstamped)

202.830

Dry Wells, NE. corner of former post office; 30 ft from center of rd.; on iron post;
standard cap stamped "319 RALEIGH"

319.740

Unionhope, 50 ft E. of former post office; in front of Mr. Murray's house; on iron post;
standard cap stamped "330 RALEIGH"

330.331

LINE 1.

D. R. Deane and others, 1960; Book AV 316

16 27 1.45 U.E., at front entrance to Friendship Church; on concrete apron;
chiseled square

282.68

16 29 2.60 Reference mark; 100 ft S. of tablet; on W. side of S. concrete abutment
of concrete bridge; chiseled square

189.334

16 29 2.60 Emit, 2.6 mi N. of; 20 ft E. of, and level with centerline of bridge;
in E. side of W. abutment of concrete bridge over Moccasin Creek;
standard tablet stamped "192 DRD 1960 189"

189.436

WL = 179 ft

NGVD 29
Elevations

SPRING HOPE QUADRANGLE

177 NORTH CAROLINA

D. R. Deane and others

Book AV 816

1960

LINE 1 (Cont'd.)

Feet

16	33	5.27	Middlesex, 1.3 mi ^{NW} NE. of; 6.0 mi ^{SE} SW. of Zebulon; at front entrance to Stokes Chapel Church; in NW. corner of bottom step; standard tablet stamped "193 DRD 1960 319"	Handprinted on map	319.450
16	34	6.16	U.E., 25 ft N. of, and level with centerline of rd.; on NE. corner of concrete headwall; chiseled square	X	226.84

LINE 2.

D. R. Deane and others, 1960; Book AV 816

16	10	5.15	Zebulon, 6.3 mi NE. of; 4.0 mi SE. of Pilot; 20 ft W. of, and 1 ft lower than centerline of bridge; in center of W. headwall of concrete bridge; standard tablet stamped "146 DRD 1960 252"	✓	252.375
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Wl. = 245 ft

<u>16</u>	<u>10</u>	<u>5.15</u>	Reference mark; 170 ft SW. of tablet; on S. corner of E. headwall of concrete bridge; chiseled square	X	251.74
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<u>16</u>	<u>11</u>	<u>5.86</u>	U.E., at E. entrance to Rocky Cross Church; on concrete step; chiseled square	X	313.89
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16	20	10.96	Pilot, 2.0 mi NE. of; 3.0 mi SE. of Sutton; level with centerline of U. S. Highway 64; at Watkins Service Center; in SW. corner of concrete base of Texaco sign; standard tablet stamped "X 149 DRD 1960 316"	✓	316.496
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16	20	10.96	Reference mark; 100 ft SW. of tablet; on concrete well base	X	317.694
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LINE 3.

D. R. Deane and others, 1960; Book AV 816

There are no permanent marks on this line in this quadrangle.

NGVD 29
ElevationsLINE 4.

Richard L. Meador, 1971; Book AV 1606

There are no permanent marks on this line in this quadrangle.

NGVD 29
ElevationsLINE 5.

Richard L. Meador, 1971; Book AV 1606

2	2	2.29	U.E., panel 56; reference point A; centerline of rd. opposite panel		207.25
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SPRING HOPE QUADRANGLE

177 NORTH CAROLINA

Richard L. Meador

Book AV 1606

1971

LINE 5 (Cont'd.)Feet

2	2	2.30	Nashville, 2.3 mi N. of courthouse, along State Highway 58; at junction of State Highway 58 and County Road 1302 SW.; 59 ft S. and 7 $\frac{1}{4}$ ft E. of, and 2.8 ft lower than I-rd. SW.; 1 ft W. of N.-S. woods line; 0.5 ft W. of metal witness post; in concrete post projecting 0.1 ft above ground; standard tablet stamped "46 MEA 1971 206", painted "BM 205.7"	205.701
2	3	3.24	Nashville, 2.3 mi N. of courthouse, along State Highway 58, thence 0.9 mi SW. along County Road 1302; 2 ft W. of E. end of wheelguard; in top of E. end of N. wheelguard of small bridge; standard tablet stamped "47 MEA 1971 163", painted "BM 162.6"	162.566
2	4	4.11	Nashville, 2.3 mi N. of courthouse, along State Highway 58, thence 1.8 mi SW. of, along County Road 1302; at junction of County Roads 1301 and 1302; 34 ft N. and 32 ft E. of, and 2.6 ft higher than I-rd. NE.; 1.5 ft W. of power pole; 0.5 ft S. of metal witness post; in concrete post projecting 0.2 ft above ground; standard tablet stamped "48 MEA 1971 235", painted "BM 235.5"	235.466
2	5	5.17	Bass Crossroads, 2.3 mi NE. of, along County Road 1300; 245 ft E. of SE. corner of Pleasant Grove Church; 35 ft N. and 182 ft W. of, and 1.1 ft lower than I-rd. N.; 7 ft N. of power pole; 0.5 ft S. of metal witness post; in concrete post projecting 0.3 ft above ground; standard tablet stamped "49 MEA 1971 246", painted "BM 245.8"	245.736
2	6	5.83	U.E., in centerline of I-rd. S.; copper nail and washer, painted "CL 255.4"	255.40
2	7	6.59	Bass Crossroads, 0.9 mi NE. of, along County Road 1300; at junction of County Roads 1300 and 1308 N.; 66 ft N. and 3 $\frac{1}{4}$ ft W. of, and 2.5 ft higher than I-rd. N.; 6 ft E. of pecan tree; 1 ft E. of metal witness post; in concrete post projecting 0.1 ft above ground; standard tablet stamped "50 MEA 1971 278", painted "BM 277.7"	277.732
2	8	7.48	Bass Crossroads; 3 $\frac{1}{4}$ ft N., 40 ft E., and above level with centerline of crossroads; 7 ft N. of fence corner; 0.5 ft W. of metal witness post; in concrete post level with ground; standard tablet stamped "51 MEA 1971 299", painted "BM 298.7"	298.668
2	10	8.80	Bass Crossroads, 1.3 mi W. of, along County Road 1300; at crossing of County Roads 1300 and 1306; 60 ft S. and 242 ft E. of, and 6.8 ft lower than centerline of crossroads; 4 ft W. of large pine tree; 0.5 ft W. of metal witness post; in concrete post projecting 0.3 ft above ground; standard tablet stamped "52 MEA 1971 284", painted "BM 284.1"	284.020

SPRING HOPE QUADRANGLE
Book AV 1606

177 NORTH CAROLINA

Richard L. Meador

1971

LINE 5 (Cont'd.)Feet

2	11	9.89	Bass Crossroads, 1.3 mi W. of, along County Road 1300, thence 1.1 mi NW. along County Road 1306; at junction of Road 1306 and State Highway 581; 124 ft N. and 42 ft E. of, and 1 ft higher than T-rd. SE.; 11 ft E. of power pole; 0.5 ft W. of metal witness post; in concrete post level with ground; standard tablet stamped "53 MEA 1971 295", painted "BM 294.9"	✓	294.813
2	12	10.52	U.E., panel 46; reference point centerline of road opposite	⊙	283.10
2	12	10.53	Peachtree Church, 0.05 mi S. of; at junction of County Road 1312 and State Highway 581; 120 ft N. and 24 ft N. of, and about level with Y-rd.; 25 ft NE. of centerline of rd. at drive W.; 0.5 ft S. of metal witness post; set in S. point of triangle formed by rds.; in concrete post level with ground; standard tablet stamped "54 MEA 1971 284", painted "BM 284.1"	✓	284.046
2	13	11.44	Peachtree Church, 0.9 mi W. of, along County Road 1320; 27 ft S. and 55 ft E. of, and 2.5 ft lower than centerline of bridge; 1 ft N. of power pole and witness sign; in concrete post level with ground; standard tablet stamped "55 MEA 1971 205", painted "BM 204.7"	✓	204.609
2	14	12.08	U.E., in centerline of T-rd. N.; copper nail and washer, painted "CL 252.1"	⊙	252.03
2	15	12.68	Peachtree Church, 2.1 mi W. of, along County Road 1320; 47 ft N. and 58 ft E. of, and 2.0 ft higher than centerline of rd. at timberline N.; 0.2 mi W. of small creek crossing rd.; 2.0 ft N. of power pole; 0.5 ft S. of metal witness post; in concrete post flush with ground; standard tablet stamped "56 MEA 1971 227", painted "BM 227.0"	✓	226.980
2	17	14.68	Seven Paths; 144 ft S. and 24 ft W. of, and level with T-rd. W.; 2 ft NW. of fence corner; 0.5 ft E. of metal witness post; in concrete post projecting 0.2 ft above ground; standard tablet stamped "58 MEA 1971 313", painted "BM 312.9"	✓	312.874
2	18	15.43	U.E., panel 3408; reference point, centerline of road opposite panel	×	288.30
2	18	15.43	Seven Paths, 0.8 mi W. of, along County Road 1636; at junction of County Roads 1636 and 1633; 30 ft N. and 61 ft W. of, and 5 ft higher than T-rd. S.; 0.5 ft S. of metal witness post; in concrete post projecting 0.5 ft.; standard tablet stamped "59 MEA 1971 295", painted "BM 295.2"	✓	295.160
2	19	16.29	Seven Paths, 1.6 mi W. of, along County Road 1636; 78 ft NE. and 490 ft SE. of, and 4.4 ft higher than centerline of branch over Cypress Creek; in top of large flat rock outcrop; standard tablet stamped "60 MEA 1971 200", painted "BM 199.5"	✓	199.430

NGVD 29
Elevations

1971

7

LINE 6.

feet

By R. L. Meador, 1971; Book AV 1606

There are no permanent marks on this line in this quadrangle.

LINE 7.

By R. L. Meador, 1975; Book AV 1708

- | | | | | |
|------|-------|---|---|---------|
| 1 33 | 27.13 | Bailey, 1.8 mi S. of junction of U. S. Highway 264 and State Highway 581 N., along Highway 581; 226 ft SE. of, and 5.8 ft lower than centerline of crossroads; 17.6 ft SSE. of tombstone of James B. Gardner; 95 ft W. of SE. corner of Sandy Hill Church; 1.4 ft S. of pole with night light; in concrete post flush with ground; standard tablet stamped "5 MEA 1975 294" | ✓ | 293.741 |
| 1 34 | 27.93 | U.E., in centerline of crossroads (State Highway 581 and County Road 1104); nail and bottle cap | ✗ | 273.59 |
| 1 35 | 28.59 | Bailey, 0.3 mi S. of junction of U. S. Highway 264 and State Highway 581, along Highway 581; 19.3 ft E. of, and 0.5 ft lower than centerline of rd. at drain crossing; in center of E. concrete headwall of concrete culvert; standard tablet stamped "6 MEA 1975 218" | ✓ | 218.191 |
| | | WL = 210 ft | | |
| 1 36 | 29.09 | U.E., in centerline of crossroads (U. S. Highway 264 and County Road 1105); bottle cap and nail | | 231.72 |

LINE 8.

By R. L. Meador, 1975; Book AV 1708

- | | | | | |
|------|------|--|---|---------|
| 1 40 | 0.00 | "S 100 1935" (NGS) | ✗ | 193.825 |
| 1 40 | 0.76 | U.E., in centerline of crossroads (U. S. Highway 264 and County Road 1105); bottle cap and nail (Also described in line 7) | ✗ | 231.72 |
| 1 41 | 1.42 | U.E., centerline of T-rd. S. (County Roads 1100 and 1105) | ✗ | 250.06 |
| 1 42 | 2.10 | Bailey, 1.3 mi N. of junction of U. S. Highway 264 and State Highway 581, along Highway 581; 150 ft S. and 42 ft W. of, and 1.5 ft higher than Y-rd. forks; 24 ft SE. of centerline of County Road 1100; 87 ft N. of NE. corner of one-story white frame house; in concrete post projecting 4 in. above ground; standard tablet stamped "7 MEA 1975 274" | ✓ | 274.427 |
| 1 43 | 2.75 | U.E., in centerline of crossroads (State Highway 561 and County Road 1109); nail and bottle cap | ✗ | 288.79 |

SPRING HOPE QUADRANGLE

177 NORTH CAROLINA

35-078-11

8

LINE 8 (Cont'd.)

Feet

1 44	3.81	Bailey, 3.0 mi N. of junction of U. S. Highway 264 and State Highway 581, along Highway 581; at Mount Pleasant; 87 ft S. and 49 ft E. of, and 1.3 ft lower than junction of Highway 581 and County Road 1132 W.; 18 ft E. of power pole; 3 ft W. of base of guy wire for power pole; in concrete post projecting 3 in. above ground; standard tablet stamped "8 MEA 1975 282"	Hand printed	282.037
1 45	4.27	U.E., in centerline of crossroads (State Highway 581 and County Road 1134); nail and bottle cap	f	274.55
1 46	4.88	U.E., in centerline of junction of State Highway 581 and County Road 1139 W.; nail and cap	f	277.38
1 47	5.81	Mount Pleasant, 2.0 mi N. of, along State Highway 581; at State Forest Service Lookout Tower; in concrete base of steps to tower; standard tablet stamped "9 MEA 1975 282"	✓	281.506
1 49	7.11	Mount Pleasant, 3.3 mi N. of, along State Highway 581; 89 ft SW. of, and 2.3 ft higher than junction of State Highways 581 and 97; 65.5 ft E. of SE. corner of Floods Chapel; 1.5 ft W. of power pole; in concrete post projecting 6 in.; standard tablet stamped "10 MEA 1975 282"	✓	282.042
1 50	7.77	U.E., centerline of T-rd. SE.; (State Highway 581 and County Road 1952)		238.16
1 51	8.51	Mount Pleasant, 4.7 mi N. of, along State Highway 581; at N. end of bridge over Tar River; 16 ft E. of N. end of bridge; in NE. concrete abutment; standard tablet stamped "11 MEA 1975 159"	✓	158.796
WL = 132 ft				
1 52	9.40	U.E., in centerline of rd. at drive NW.; nail and cap	*	238.10
1 53	10.48	Mount Pleasant, 6.7 mi N. of, along State Highway 581; 2.8 mi S. of Spring Hope; 100 ft N. and 28 ft E. of, and 2.4 ft higher than junction of Highway 581 and County Road 1921 SE.; 1.5 ft W. of hwy. right-of-way marker; 20 ft N. of 30-in. oak tree; in concrete post projecting 4 in.; standard tablet stamped "12 MEA 1975 276"	✓	275.890
1 54	11.25	U.E., in centerline of crossroads (County Roads 1717 and 1916); nail and cap	*	259.40
1 55	11.76	U.E., in centerline of crossroads (State Highway 581 and County Road 1145); nail and cap	*	264.69
1 56	12.39	Spring Hope, 0.9 mi S. of junction of U. S. Highway 64 and State Highway 581 S., along Highway 581; in W. edge of Meeks Cemetery; 30.4 ft E. of, and 1.0 ft higher than centerline of rd. opposite; 27.3 ft NW. of tombstone of Millie G. Anderson; 1.5 ft W. of telephone pole; in concrete post level with ground; standard tablet stamped "13 MEA 1975 246"	✓	245.537

REC'D AS DESCRIBED 3/83 BY JDB

NGVD 29
Elevations

LINE 8 (Cont'd.)

Feet

1	57	13.28	U.E., in centerline of T-rd. S. (U. S. Highway 64 and State Highway 561); nail and bottle cap	266.73
1	58	13.84	U.E., in centerline of T-rd. N. (U. S. Highway 64 and State Highway 581 N.); nail and cap	250.83
1	59	14.33	Spring Hope, 0.5 mi N. of junction of U. S. Highway 64 and State Highway 581 N.; 13 ft W. of, and 0.5 ft lower than centerline of rd. at drain crossing; 1 ft S. of N. end of W. concrete headwall; standard tablet stamped "14 MEA 1975 239" <i>REC'D. AS DESG 3/83 BY JDA</i>	239.129
1	60	15.04	U.E., in centerline of T-rd. N. (State Highway 581 and County Road 1300); nail and bottle cap	284.33
1	61	15.58	U.E., in centerline of T-rd. W. (State Highway 581 and County Road 1312); nail and bottle cap	289.14
1	62	16.43	U.E., centerline of T-rd. SE. (State Highway 581 and County Road 1306)	293.74
1	63	17.12	"14 MEA 1971 284" (Described in line 5)	284.046

LINE 9.

By R. L. Meador, 1975; Book AV 1708

1	65	0.00	U.E., chiseled square (Described in line 2)	313.89
1	65	1.34	U.E., in centerline of crossroads (County Roads 1151 and 1155); nail and cap	257.17
1	66	1.05	Rocky Cross Church, 1.3 mi E. of, along County Road 1155, thence 0.5 mi S. along County Road 1151; 13 ft SW. of, and 0.5 ft higher than SE. end of bridge; in SE. end of SW. concrete wheelguard; standard tablet stamped "15 MEA 1975 232"	231.546 <i>Good 11/83 ACD</i>
1	67	2.17	U.E., in centerline of T-rd. NW. (State Highway 97 and County Road 1151); nail and cap	284.97
1	68	2.91	U.E., in centerline of junction of State Highways 97 and 231; nail and cap	277.60
1	69	3.66	U.E., in centerline of junction of State Highway 97 and County Road 1162 S.; nail and cap	253.70
1	70	4.04	Samoria, 1.1 mi E. of junction of State Highways 97 and 231; 13 ft N. of, and level with centerline of E. end of bridge; in NE. wingwall of E. end of bridge; standard tablet stamped "16 MEA 1975 212"	211.819 <i>Good 11/83 ACD</i>

LINE 9 (Cont'd.)Feet

1	71	4.93	U.E., in centerline of junction of State Highway 97 and County Road 1136; nail and cap	242.26
1	72	5.85	Samaria, 2.9 mi E. of, along State Highway 97 from junction with State Highway 231; at junction of Highway 97 and County Road 1137; 35 ft N. and 75 ft E. of, and level with centerline of crossroads; 1 ft W. of power pole; in concrete post projecting 3 in. above ground; standard tablet stamped "17 MEA 1975 293"	293.118
1	73	6.72	U.E., in centerline of rd. at drive S.; nail and cap	268.17
1	74	7.43	"10 MEA 1975 282" (Described in line line 8)	282.042

Good 11/93 ACD