

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

PUBLICATION COPY

76  
35-079-33  
ELLERBE QUADRANGLE  
NORTH CAROLINA  
N3500-W7945/15  
DIAGRAM NI 17-3  
RALEIGH

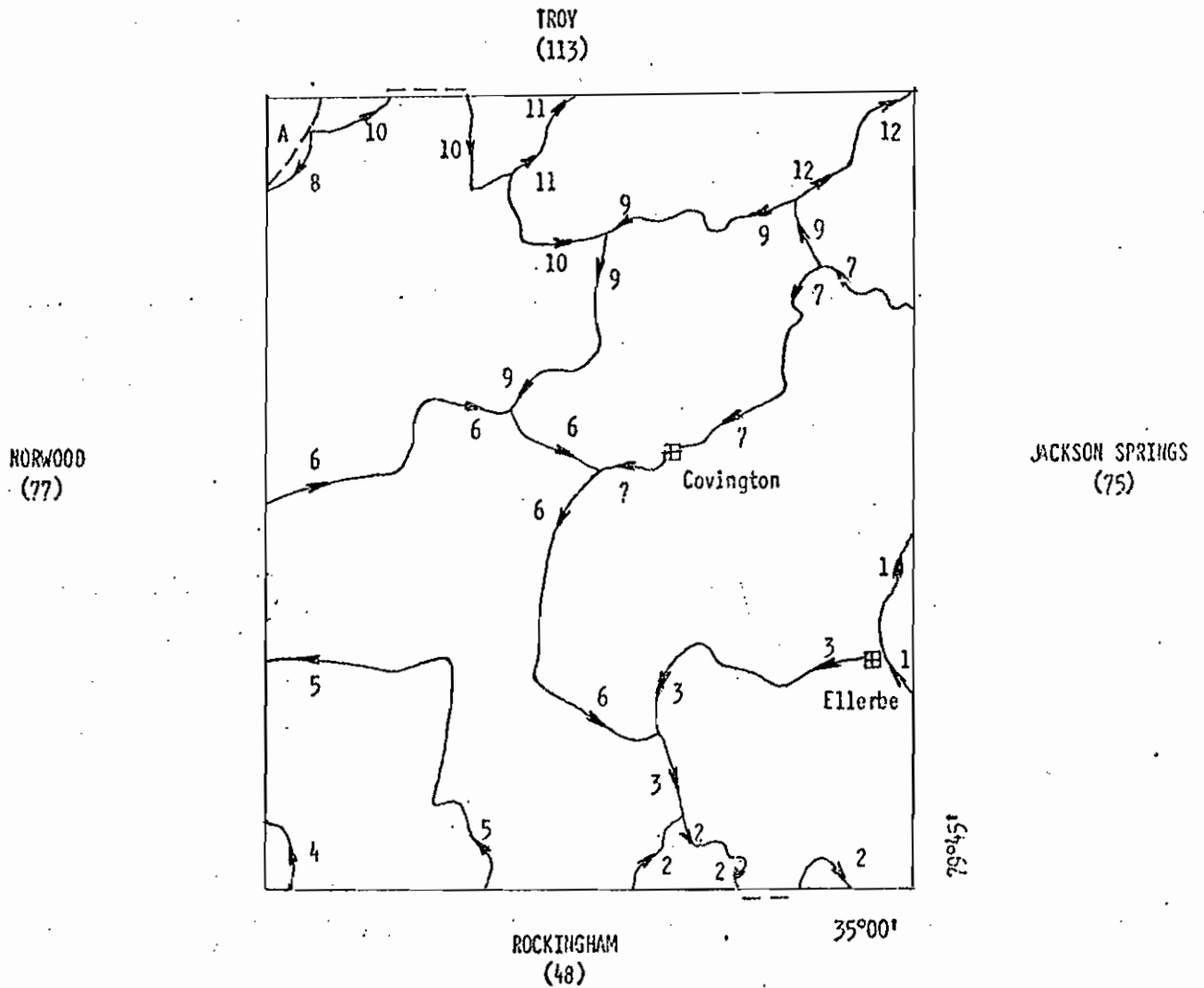
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Anson, Montgomery and Richmond Counties

Final adjustment of 1974

Edition of 9/18/75

PR: WSM/rmc



NGS (USCGS) VERTICAL CONTROL DATA

A. Quadrangle 350793

NGVD 29  
Elevations

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NGVD 29  
 Elevations

1949

LINE 1.

Feet

- Ellerbe, 0.25 mi E. of U. S. Highway 15; in line with two easterly legs and 26 ft S. of S. leg of municipal water tank; in line with W. side of, and 66 ft N. of NW. corner of pump house; 44 ft N. of center of street; in concrete post; NGS standard triangulation disk stamped "ELLERBE 1933" 551.965
- Reference mark; 26 ft E. of center of RR. track; 105 ft SW. of center of SW. leg of water tank; 116 ft from station; in concrete post; NGS standard reference mark disk stamped "ELLERBE NO 2 1933" 549.949
- U.E., Ellerbe, 1.0 mi N. of First Baptist Church, along U. S. Highway 220; 95 ft N. and 20 ft W. of junction of Highway 220 and State Highway 73; on N. end of concrete headwall of culvert; chiseled square 443.58
- Ellerbe, 2.0 mi N. of, along U. S. Highway 220; 27 ft E. of center of hwy.; 440 ft S. of Shell Oil station; 10 ft N. of drainage ditch E.; on high hill; in concrete post; standard tablet stamped "TT 11 HF 1949 544" 544.382  
*USGS JWO* *NOT FOUND 8/10/01*

LINE 2.

By W. S. Monk, 1954; Book AV 390

- "8 WSM 1954 292" (Reported destroyed, 1965) 291.796
- Reference mark; 80 ft SE. of tablet; 30 ft E. of rd. junction; in face on W. side of 12-in. gum tree; rail spike 290.40
- Cartledges Creek Church, 0.6 mi SE. of; 50 ft S. and 30 ft W. of, and 2 ft lower than junction of Prison Camp Road and rd. E. to U. S. Highway 220; in concrete post; standard tablet stamped "9 WSM 1954 285" 284.620
- Reference mark; 15 ft E. of tablet; on concrete pipe culvert; chiseled cross 283.00

[ Jogs into Rockingham quadrangle ]

- Cartledges Creek Church, 2.4 mi E. of; at old site of Sandy Grove Church; 200 ft SE. of macadam rd.; 180 ft S. of telephone pole 134; 6 ft N. and 5 ft W. of SW. corner of small house; in concrete post flush with ground; NGS standard reference disk stamped "SANDY NO 1 1933" 480.147

LINE 3.

By W. S. Monk, 1954; Book AV 390

- "ELLERBE 1933" (NGS) (Described in line 1) 551.965

NGVD 29  
Elevations

NGVD 29  
Elevations

LINE 3 (Cont'd)

Feet

|  |         |
|--|---------|
| Ellerbe, 0.9 mi W. of, along rd. to Mt. Pleasant Church; 35 ft N. and 100 ft E. of, and 5 ft lower than Y-rd. N.; 4 ft W. of power pole; in concrete post; standard tablet stamped "10 WSM 1954 511"               | 510.634 |
| Reference mark; 100 ft W. of tablet; on concrete pipe culvert; chiseled cross  | 513.97  |
| Ellerbe, 2.6 mi W. of; at Mt. Pleasant Church; 400 ft W. of Y-rd. junction; 30 ft S. of rd.; 15 ft E. of drive to church; 2 ft W. of 15-in. pine tree; in concrete post; standard tablet stamped "11 WSM 1954 539" | 538.667 |
| Reference mark; 320 ft S. of tablet; at entrance to church; on center of brick steps; chiseled cross   | 533.39  |
| Mt. Pleasant Church, 2.5 mi NW. of; 60 ft S. and 60 ft E. of, and 2 ft above Y-rd. junction; 2.5 ft S. of power pole; in concrete post; standard tablet stamped "12 WSM 1954 354"                                  | 353.541 |
| Reference mark; 120 ft W. of tablet; 30 ft SW. of Y-rd. junction, in face on S. side of 10-in. oak tree; rail spike  | 354.87  |
| Holly Grove Church, 2.2 mi N. of; 5.0 mi W. of Ellerbe; 35 ft N. and 165 ft E. of, and 3 ft above crossroads; in concrete post; standard tablet stamped "13 WSM 1954 456"  | 456.403 |
| Reference mark; 20 ft E. of tablet; in root on SE. side of 30-in. poplar tree; rail spike  | 456.73  |

LINE 4.

By W. S. Monk, 1954; Book AV 390

|   |         |
|---|---------|
| Lilesville, 0.5 mi W. of depot; thence 2.1 mi N.; 90 ft N. and 38 ft W. of, and 3 ft above junction of rd. W.; 2 ft S. of power pole; in concrete post; standard tablet stamped "34 WSM 1954 374" | 373.646 |
| Reference mark; 920 ft S. of tablet; 20 ft W. of rd.; in root on W. side of 16-in. pine tree; copper nail and washer  | 352.36  |

LINE 5.

By W. S. Monk, 1954; Book AV 390

|   |         |
|---|---------|
| Forestville Methodist Church, 4.5 mi N. of; at top of hill; 15 ft E. of, and 1 ft above rd.; in concrete post; standard tablet stamped "42 WSM 1954 298"  | 297.558 |
| Reference mark; 80 ft S. of tablet; in root on NE. side of 32-in. poplar tree; rail spike   | 296.54  |
| Forestville Methodist Church, 7.1 mi N. of; at Savannah Church and Cemetery; 245 ft S. and 70 ft W. of, and 6 ft above crossroads; at SE. corner of church; in concrete post; standard tablet stamped "43 WSM 1954 318" | 318.392 |
| Reference mark; 10 ft N. of tablet; on center of brick steps; chiseled cross  | 318.98  |
| U.E., Savannah Church, 1.2 mi N. of; 23 ft N. of drain; 20 ft E. of, and 1 ft above rd.; on concrete base of well pump; chiseled cross  | 241.40  |

LINE 5 (Cont'd)

Feet

- Savannah Church, 2.4 mi N. of; 150 ft S. of, and 3 ft lower than junction of I-rd. W.; in SE. <sup>7/92 destroyed by DOT</sup> concrete abutment of wooden bridge crossing Savannah Creek; standard tablet stamped "44 WSM 1954 195" 195.576
- Reference mark; 200 ft N. of tablet; 25 ft W. of rd.; on rock outcrop; chiseled cross 201.86
- Savannah Church, 2.4 mi N. of, thence 2.3 mi W.; 30 ft N. and 120 ft W. of, and level with crossroads; in concrete post; standard tablet stamped "45 WSM 1954 252" 252.509
- Reference mark; 60 ft E. of tablet; in root on N. side of 10-in. oak tree; rail spike 253.58

LINE 6.

By W. S. Monk, 1954; Book AV 390

- U.E., Mt. Gilead, 9.4 mi S. of; at steel girder bridge crossing Pee Dee River; 15 ft E. of, and 5 ft lower than State Highway 109; 36 ft above river; on NE. concrete abutment; chiseled cross 215.27
- Mt. Gilead, 8.2 mi S. of; 470 ft S. and 25 ft E. of, and 3 ft lower than I-rd. W.; in center of E. concrete headwall of culvert; standard tablet stamped "46 WSM 1954 221" 221.284
- Reference mark; 45 ft W. of tablet; on N. end of concrete culvert; chiseled cross 221.31
- Mangum; 20 ft S. and 130 ft E. of, and 4 ft lower than crossroads; 2.5 ft N. of power pole; in concrete post; standard tablet stamped "47 WSM 1954 286" 285.437
- Reference mark; 100 ft NW. of tablet; in NE. angle of crossroads; on concrete pipe culvert; chiseled square 288.02
- Mangum, 2.3 mi E. of; 36 ft S. of, and 1 ft above I-rd. N.; 6 ft N. of 30-in. oak tree; in concrete post; standard tablet stamped "48 WSM 1954 217" 217.246
- Reference mark; 6 ft S. of tablet; in root on W. side of 30-in. oak tree; copper nail and washer 217.86
- Mangum, 2.3 mi E. of, thence 1.8 mi N.; 5.6 mi SE. of Mt. Gilead; 30 ft N. and 10 ft E. of, and level with junction of State Highway 73 and I-rd. S.; 4 ft S. of power pole; in concrete post; standard tablet stamped "49 WSM 1954 279" 278.519
- Reference mark; 150 ft S. of tablet; 30 ft E. of rd.; in root on E. side of 34-in. oak tree; copper nail and washer 272.05
- U.E., Mt. Gilead, 6.4 mi SE. of; 25 ft N. and 190 ft E. of, and 1 ft lower than junction of V-rd. S.; on E. end of concrete headwall of culvert; chiseled cross 227.79

NGVD 29  
Elevations

LINE 6 (Cont'd)Feet

|  |         |
|--|---------|
| Mt. Gilead, 7.2 mi SE. of; on State Highway 73 crossing Little River; in SE. abutment of concrete bridge, standard tablet stamped "50 WSM 1954 208"  | 207.759 |
| Reference mark; 0.3 mi E. of tablet; 200 ft W. of, and 3 ft above T-rd. N.; on NE. end of concrete bridge; chiseled cross  | 208.00  |
| U.E., Mt. Gilead, 9.0 mi SE. of; at drain crossing; on NE. end of concrete bridge; chiseled cross  | 211.69  |
| Mt. Gilead, 9.3 mi SE. of, 0.6 mi SE. of crossing of Buffalo Creek; 25 ft SW. of, and 6 ft lower than center of State Highway 73; 90 ft S. of SE. corner of small store; in concrete headwall of culvert; standard tablet stamped "51 WSM 1954 253"  | 252.942 |
| Reference mark; 320 ft NW. of tablet; 50 ft SW. of State Highway 73; on NE. end of concrete well cover; chiseled cross   | 261.23  |
| Mt. Gilead, 10.0 mi SE. of, along State Highway 73, thence 1.5 mi SW.; 60 ft S. of drain; 33 ft E. of, and 1 ft above rd.; 30 ft N. of triangular blazed 34-in. oak tree; in concrete post; standard tablet stamped "52 WSM 1954 228"                | 227.727 |
| Reference mark; 60 ft N. of tablet; on E. end of concrete pipe culvert; chiseled cross   | 227.35  |
| U.E., Mt. Gilead, 10.0 mi S. of thence 2.5 mi SW.; 130 ft N. of, and 2 ft lower than Y-rd. junction; on SW. concrete abutment of steel girder bridge crossing Little River; chiseled cross   | 199.64  |
| Mangum, 6.5 mi SW. of; 35 ft E. of, and 3 ft above rd.; 40 ft S. of hedge row W.; 170 ft N. of junction of old rd.; in concrete post; standard tablet stamped "53 WSM 1954 224"  | 223.240 |
| Reference mark; 940 ft N. of tablet; at drain crossing; 20 ft E. of rd.; on concrete pipe culvert; chiseled square   | 211.07  |
| Mangum, 8.8 mi SW. of; 30 ft NE. of, and 7 ft above rd.; 55 ft SW. of center of wooden bridge; in concrete post; standard tablet stamped "54 WSM 1954 191"   | 190.775 |
| Reference mark; 20 ft NW. of tablet; in root on SW. side of 20-in. oak tree; copper nail and washer  | 193.65  |
| Mangum, 9.9 mi SW. of; 2.2 mi N. of, thence 1.9 mi W. of Holly Grove Church; 270 ft W. of center of wooden bridge crossing Mountain Creek; 30 ft N. of and 5 ft above rd.; in vertical face of rock ledge; standard tablet stamped "55 WSM 1954 194" | 193.620 |
| Reference mark; 34 ft E. of tablet; cemented in rock ledge; copper nail and washer   | 188.91  |
| U.E., Bethel Church; at entrance; 70 ft S. of, and 2 ft above rd.; chiseled cross  | 507.14  |
| "13 WSM 1954 456" (Described in line 3)  | 456.403 |

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Elevations

1954

LINE 7.

feet

By W. S. Monk, 1954; Book AV 390

- Norman, 0.2 mi E. of Presbyterian Church, thence 2.0 mi W.; 21 ft S. and 210 ft E. of, and 13 ft above T-rd. S.; 490 ft E. of drain crossing; in concrete post; standard tablet stamped "56 WSM 1954 439" USGS JWO NOT FOUND 84/01 439.154
- Reference mark; 320 ft E. of tablet; 18 ft S. of and 4 ft lower than rd.; at drain; on concrete pipe culvert; chiseled cross 436.47
- Norman, 0.2 mi E. of Presbyterian Church, thence 4.1 mi NW.; 60 ft S. and 50 ft W. of, and 6 ft above junction of rd. W.; 2 ft S. of power pole; in concrete post; standard tablet stamped "57 WSM 1954 425" 424.821
- Reference mark; 120 ft SE. of tablet; 160 ft S. and 55 ft E. of rd. junction; in root on NW. side of 32-in. oak tree; copper nail and washer 419.70
- Norman, 5.0 mi W. of; 5.0 mi E. of Exway; 185 ft N. and 30 ft E. of, and 1 ft above T-rd. junction; 225 ft N. of NE. corner of store; in concrete post; standard tablet stamped "58 WSM 1954 506" 506.130
- Reference mark; 7 ft E. of tablet; in face on S. side of 6-in. oak tree; rail spike 507.24
- Exway, 5.0 mi E. of, thence 2.0 mi S.; 4.0 mi NE. of Covington; 240 ft W. and 12 ft N. of, and 1 ft above T-rd. N.; at small wooden bridge; in NW. concrete abutment; standard tablet stamped "59 WSM 1954 358" 357.578
- Reference mark; 36 ft N. of tablet; in face on SW. side of 32-in. sycamore tree; rail spike 358.04
- Covington, 2.0 mi E. of; 60 ft S. and 30 ft W. of, and 2 ft above tangent of rd. SE.; 2.5 ft E. of power pole 3-64; in concrete post; standard tablet stamped "60 WSM 1954 555" 554.920
- Reference mark; 340 ft N. of tablet; in face on S. side of 7-in. twin poplar tree; rail spike 543.39
- Covington, 1.0 mi S. of; 20 ft S. and 20 ft W. of, and 2 ft lower than crossroads; in concrete headwall of culvert; standard tablet stamped "61 WSM 1954 534" 533.310
- Reference mark; 0.3 mi W. of tablet; 60 ft N. of, and 6 ft above State Highway 73; 6 ft NE. of triangular blazed 10-in. oak tree; USCE capped 2-in. iron pipe stamped "D 30 AM 1/3 TT/4/1941" 464.37
- U.E., Covington, 2.3 mi SW. of; at drain crossing; 20 ft NE. of hwy.; on center of concrete headwall of culvert; chiseled cross 265.55

LINE 8.

By W. S. Monk, 1954; Book AV 390

"W 72 1934" (NGS)

477.542

NGVD 29  
Elevations

1954

LINE 9.

Feet

By W. S. Monk, 1954; Book AV 390

|   |         |
|---|---------|
| Perkin, 4.6 mi E. of; 860 ft W. of Y-rd. SE.; 60 ft NW. of, and 11 ft above State Highway 731; at steps to fire lookout tower, in concrete base; standard tablet stamped "66 WSM 1954 637"                              | 636.438 |
| Reference mark; on SE. leg of tower on steel plate; chiseled cross  | 636.46  |
| U.E., Sardis Methodist Church; 100 ft S. of, and 7 ft above State Highway 731; on NE. corner of concrete steps; chiseled cross  | 490.38  |
| Perkin, 2.6 mi E. of, 270 ft NW. of drain crossing; 35 ft NE. of, and 2.5 ft above State Highway 731; 8 ft NW. of 24-in. pine stump; in concrete post; standard tablet stamped "67 WSM 1954 328"                        | 327.940 |
| Reference mark; 380 ft E. of tablet; 20 ft S. of hwy.; in face on NW. side of 12-in. gum tree; rail spike   | 314.51  |
| Perkin, 1.0 mi E. of; 90 ft NE. of, and 5 ft above junction of rd. NE. and State Highway 731; 35 ft NW. of rd. NE.; in concrete post; standard tablet stamped "68 WSM 1954 267"   | 266.964 |
| Reference mark; 140 ft SW. of tablet; 35 ft SW. of, and 4 ft lower than junction of rd. NE.; in face on N. side of 10-in. poplar tree; rail spike   | 258.00  |
| Perkin; 40 ft S. and 90 ft E. of, and 1 ft lower than crossroads; at SW. corner of W. C. Parson's store; in concrete floor; standard tablet stamped "69 WSM 1954 294"   | 293.532 |
| Reference mark; 45 ft S. of tablet; in root on W. side of 24-in. elm tree; copper nail and washer   | 291.88  |
| Perkin, 2.0 mi S. of; at Exway; 22 ft N. and 85 ft E. of, and level with crossroads; 55 ft N. of NW. corner of store; in concrete post; standard tablet stamped "70 WSM 1954 316" ( <u>Disturbed</u> )<br>(Reset, 1955) | 315.724 |
| Reference mark; 160 ft W. of tablet; 50 ft N. of rd.; in face on NE. side of 6-in. oak tree; rail spike   | 323.55  |
| Exway, 1.8 mi SW. of; 30 ft S. and 240 ft E. of, and 6 ft above junction of T-rd. N.; 2 ft E. of power pole; in concrete post; standard tablet stamped "71 WSM 1954 268"  | 268.071 |
| Reference mark; 240 ft E. of tablet; 30 ft N. of rd.; on concrete pipe culvert; chiseled cross  | 262.73  |

NGVD 29  
Elevations



1954

| <u>LINE 10.</u>   | <u>Feet</u>                                       |
|---|---|
| By W. S. Monk, 1954; Book AV 390  |   |
| "W 72 1934" (NGS) (Also in line 8)  | 477.542   |
| Mt. Gilead, 1.9 mi N. of, along State Highway 109, thence 1.9 mi E.; 1.8 mi W. thence 0.3 mi S. of Calvary Baptist Church; 450 ft N. and 40 ft E. of, and 3 ft above junction of rd. W.; 80 ft S. of drain; on bank 2 ft above rd.; in concrete post; standard tablet stamped "72 WSM 1954 371" | 371.285   |
| Reference mark; 5 ft N. of tablet; in face on N. side of 12-in. oak tree; rail spike  | 371.15  |
| [Joins into Troy quadrangle]  |   |
| Calvary Baptist Church, 2.5 mi S. of; 0.5 mi W. of Little River; 140 ft N. and 30 ft E. of, and 6 ft above tangent of rd. N.; 3.5 ft W. of power pole; in concrete post; standard tablet stamped "74 WSM 1954 296"  | 295.527   |
| Reference mark; 80 ft SE. of tablet; 23 ft SE. of center of rd.; cemented in rock ledge; rail spike   | 291.56  |
| Calvary Baptist Church, 2.5 mi S. of, thence 0.5 mi E.; at steel girder bridge crossing Little River; in NW. concrete abutment; standard tablet stamped "75 WSM 1954 240"   | 240.076   |
| Reference mark; 0.3 mi E. of tablet; 55 ft SE. of, and 1 ft above junction of rd. S.; in face on W. side of 6-in. persimmon tree; rail spike  | 264.26  |
| U.E., Calvary Baptist Church, 5.0 mi SE. of; 20 ft E. of and 1 ft above junction of woods rd. SE.; in in root on N. side of 12-in. oak tree; copper nail and washer   | 352.02  |
| Perkin, 2.1 mi W. of, 37 ft S. and 110 ft E. of, and 1 ft above crossroads; in concrete post; standard tablet stamped "76 WSM 1954 259"   |   |
| Reference mark; 4 ft S. of tablet; in face on SW. side of 7-in. gum tree; rail spike  | $\frac{7258.781}{78.877 \text{ meters}} = 258.27$ |
| U.E., Perkin, 0.9 mi W. of; 22 ft S. of, and level with State Highway 731; in front yard of residence; in root on NE. side of 32-in. oak tree; copper nail and washer   | 306.81  |
| "69 WSM 1954 294" (Described in line 9)   | 293.532   |

LINE 11.

|   |        |
|---|--------|
| By W. S. Monk, 1954; Book AV 390  |        |
| Reference mark for "75 WSM 1954 240"; rail spike (Described in line 10) | 264.26 |

LINE 12.

|   |         |
|---|---------|
| By W. S. Monk, 1954; Book AV 390        |         |
| "66 WSM 1954 637" (Described in line 9) | 636.438 |

NGVD 29  
Elevations

LINE 12 (Cont'd)Feet

Candor, 5.0 mi SW. of, along State Highway 731; 50 ft S. and 25 ft W. of, and 2 ft lower than junction of Candor-Mt. Gilead Road and rd. SE. to Norman; 9 ft SE. of telephone pole; in concrete post; standard tablet stamped "78 WSM 1954 656"

656.244

Reference mark; 75 ft S. of tablet; at entrance to residence; on concrete steps; chiseled cross

656.65

Candor, 3.6 mi SW. of, along U. S. Highway 220 and State Highway 731; 19 ft N. and 110 ft E. of, and 2 ft above junction of drive S.; 1.2 ft S. of telephone pole; in concrete post; standard tablet stamped "TT 27 HE 1949 679" *USGS JWD* DESTROYED 89/01

679.057

Reference mark; 620 ft W. of tablet; 80 ft SE. of SE. corner of residence; 30 ft N. of State Highway 731; in root on SW. side of 14-in. oak tree; copper nail and washer

672.32

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Elevations