

LEVELING  
BENNETT'S METRIC VERTICAL DATUM OF 1929

35-079-43  
ASHEBORO QUADRANGLE  
NORTH CAROLINA  
N3530-47945/15  
DIAGRAM NI 17-3  
RALEIGH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Montgomery and Randolph Counties

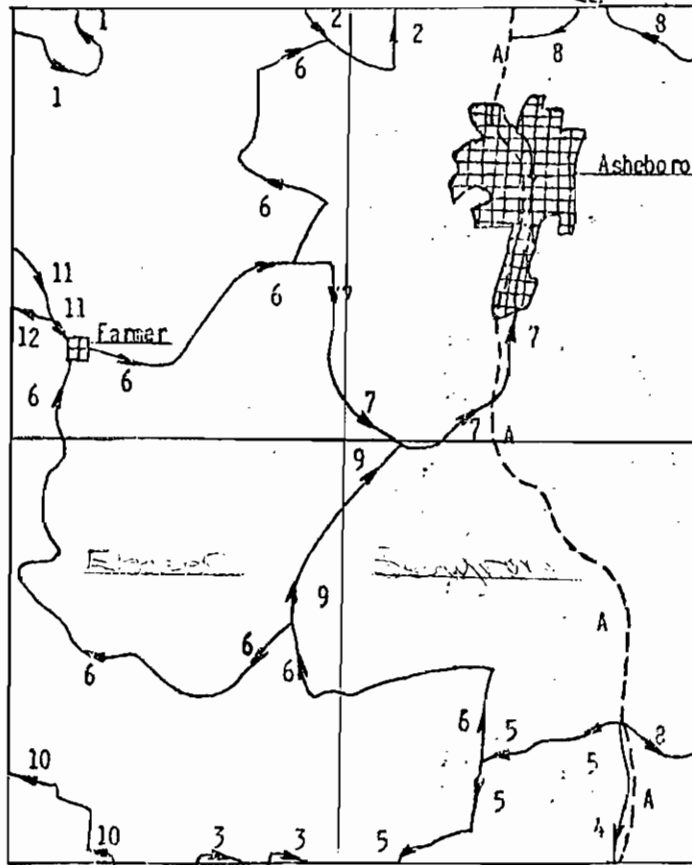
final adjustment of 1975

Edition of 2/5/75

PR: WSM/rmc

NGVD 29  
Elevations

RANDLEMAN  
(184)



DENTON  
(151)

RAMSEUR  
(149)

TROY  
(113)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 550794

150

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NGVD 29  
Elevations

1949

NGVD 29  
Elevations

LINE 1.

Feet

By W. S. Monk, 1949; Book AV 136

Tabernacle Methodist Church, 0.8 mi SE. of, along U. S. Highway 64; 1.9 mi W. of Tabernacle School; 150 ft S. of residence on E. side of hwy.; 60 ft E. of U. S. Highway 64; 10 ft S. of drive; 5 ft W. of power pole; in concrete post; standard tablet stamped "160 WSM 1949 569" ~~DESTROYED~~, 1957 568.860

Reference mark; 240 ft NW. of tablet; 15 ft E. of hwy.; on S. end of concrete headwall of culvert; chiseled square 561.87

Tabernacle School, 200 ft W. of, 50 ft S. and 30 ft W. of junction of drive to school and U. S. Highway 64, 5 ft N. of R.E.A. pole No. 2D-56, in concrete post; standard tablet stamped "161 WSM 1949 550" (Reported destroyed, 1957) 549.880

Reference mark, 50 ft E. of the tablet, in root of N. side of 12-in. oak tree; copper nail and washer 550.73

Mount Pleasant Church, 2.0 mi S. of, 1.5 mi N. of junction of U. S. Highway 64, 25.4 ft E. of center line of rd.; in concrete post; standard tablet stamped "11 58 HF 1948 512" (Disturbed, 1957) (Not found, 1974) 511.956

Reference mark, 15 ft S. of tablet; in root on W. side of 6-in. pine tree; copper nail and washer 513.39

LINE 2.

By J. E. McClane, 1951; Book AV 242

Flint Hill, 5.0 mi SE. of, along mountain rd.; 5.0 mi NW. of, Ashboro along U. S. Highway 64 and mountain rd.; 3 ft N. 33 ft W. and about 2 ft higher than centerline of crossroads, in concrete post; standard tablet stamped "5 JEM 1951 649" ~~DESTROYED~~, 1970 648.605

Reference mark, 50 ft NE. of the tablet; on N. end of 14-in. concrete pipe; chiseled square 646.17

Ashboro, 3.0 mi NW. of, along U. S. Highway 64, 30 ft S. and 45 ft E. and about 1 ft lower than centerline of U. S. Highway 64 at T-rd. N.; 14 ft W. of fence corner in concrete post; standard tablet stamped "6 JEM 1951 658" Note: USGS field sheets indicate elevation of 657.679 → 627.679

Reference mark; 90 ft NW. of tablet; on N. end of concrete headwall; chiseled square 628.03

LINE 3.

By W. D. Leech, 1955; Book AV 457

2 22 4.47 Ophir, 4.4 mi E. of; 50 ft E. of woods line S.; 30 ft N. of rd.; in concrete post; standard tablet stamped "WDL 35 1955 644" 643.936

2 23 4.49 Reference mark; 80 ft W. of tablet; in root of 6-in. double oak tree; copper nail and washer 645.95

2 26 6.43 Abner; 70 ft N. of Auman Grocery Store; 30 ft W. and in line with T-rd. E.; in concrete post; standard tablet stamped "WDL 36 1955 764" 764.117

2 26 6.44 Reference mark; 40 ft NW. of tablet; in root of 8-in. oak tree; copper nail and washer 763.20

ASHEBORD QUADRANGLE  
Book AV 458

150 NORTH CAROLINA

W. D. Leech

35-079.43  
4

1956

LINE 4.

Feet

By W. D. Leech, 1956; Book AV 458

7 2 0.00 "G 91 1935" (NGS) NOT FOUND, 1973 716.688

7 3 1.93 "F 91 1935" (NGS) 732.308

NGVD 29  
Elevations

LINE 5.

By W. D. Leech, 1956; Book AV 458

7 4 0.63 "WDL 12 1956 762" (Destroyed, 1957) 762.107

7 5 0.63 Reference mark; 60 ft SW. of tablet; in root of 10-in. oak tree; copper nail and washer 762.47

7 7 2.39 U.E., at SE. corner of bridge; on concrete wingwall; chiseled square 593.19

7 8 2.63 Seagrove, 2.6 mi W. of; 30 ft W. and 40 ft N. of junction of T-rd. S.; in concrete post; standard tablet stamped "WDL 13 1956 641" 640.643 ✓

7 8 2.71 Reference mark; 300 ft S. of tablet; 40 ft E. of rd.; in root of 8-in. oak tree; copper nail and washer 625.59

7 11 4.92 Seagrove, 2.6 mi W. of, thence 1.8 mi S., thence 0.5 mi NW.; 25 ft N. and 20 ft E. junction of T-rd. W.; in concrete post; standard tablet stamped "WDL 14 1956 701" NOT FOUND, 1973 700.863

7 11 4.93 Reference mark; 30 ft NE. of tablet; in root of 6-in. oak tree; copper nail and washer 698.18

7 14 6.95 Seagrove, 2.6 mi W. of, thence 1.8 mi S., thence 2.0 mi W., thence 0.5 mi S.; about 800 ft N. of stream; about 0.1 mi NW. of house; 200 ft W. of rd., on W. side of abandoned rd.; in concrete post; NGS standard azimuth mark disk stamped "CAGLE 1948" 622.609

7 15 6.95 Reference mark; 600 ft SW. of disk on NE. wingwall of bridge; chiseled square 606.96

LINE 6.

By W. D. Leech, 1956; Book AV 458

7 16 0.00 "WDL 13 1956 641" (Described in line 4) 640.643

7 17 1.26 U.E., 18 ft E. and 15 ft N. of junction of T-rd. E.; on N. end of pipe under rd.; chiseled square 671.85

7 18 1.84 U.E., W. end of N. pier of bridge over creek; on N. edge; chiseled square 599.69

7 18 2.13 Seagrove, 3.2 mi W. of, thence 1.4 mi S.; 90 ft S. of house E. of rd.; 40 ft W. and 10 ft N. of junction of woods rd. W.; in concrete post 1 ft above rd.; standard tablet stamped "WDL 15 1956 670" 670.353 ✓

LINE 6 (Cont'd)NGVD 29  
ElevationsFeet

7 19	2.17	Reference mark; 210 ft N. of tablet; 40 ft W. of rd.; in root of 10-in. oak tree; copper nail and washer	666.99
7 21	3.96	Pisgah, 1.7 mi E. of; 6.5 mi W. of Seagrove; 100 ft W. of stream; 25 ft S. of rd.; in concrete post level with rd.; standard tablet stamped "WDL 16 1956 615" <del>NOT FOUND, 1973</del>	615.314
7 22	3.97	Reference mark; 70 ft N. of tablet; in root of double oak tree; copper nail and washer	617.09
7 24	5.72	Pisgah; 60 ft W. and 40 ft S. of T-rd. W.; in concrete post 3 ft lower than rd. fork; standard tablet stamped "WDL 17 1956 789" <del>DISTURBED, 1973</del>	788.818
7 25	5.73	Reference mark; 40 ft SW. of tablet; in NE. root of 18-in. oak tree; copper nail and washer	789.33
7 25	6.81	U.E., 50 ft E. and 60 ft S. of crossroads; on NE. corner of base of gas pump; chiseled square	748.25
7 27 ; 8.21		Pisgah, 1.0 mi W. and 1.0 mi N. of; 170 ft SW. of Y-rd. SW.; 20 ft NW. of rd.; in concrete post 1.6 ft below rd. fork; standard tablet stamped "WDL 18 1956 788" <del>NOT FOUND, 1973</del>	788.170
7 27	7.84	Reference mark; 100 ft NE. of tablet; 45 ft NW. of rd.; on boulder; chiseled square	790.81
7 29	9.80	Pisgah, 1.0 mi W. of, thence 1.8 mi N., thence 1.1 mi SW.; 30 ft E. of drive W. to Callicuts Memorial Church; in concrete post 2 ft below rd.; standard tablet stamped "WDL 19 1956 765"	765.447
7 29	9.81	Reference mark; 40 ft S. of tablet; in root of 8-in. oak tree; copper nail and washer	761.86
7 31	11.79	Pisgah, 1.0 mi W. of thence 1.8 mi N. and 3.1 mi SW.; 50 ft NW. and 30 ft NE. of crossroads; in concrete post level with rd.; standard tablet stamped "WDL 20 1956 745" <del>NOT FOUND, 1973</del>	745.002
7 31	11.80	Reference mark; 20 ft N. of tablet; in root of 8-in. oak tree; copper nail and washer	745.63
7 33	13.04	U.E., about 100 ft W. of top; 30 ft N. of rd.; on boulder; chiseled square	631.48
7 34	13.92	Farmer, 6.1 mi S. of, thence 2.5 mi SE.; 30 ft W. and 30 ft S. of crossroads; in concrete post level with crossroads; standard tablet stamped "WDL 21 1956 470"	470.349
7 34	13.94	Reference mark; 100 ft N. and E. of tablet; in W. root of 24-in. oak tree; copper nail and washer	467.24
7 35	14.50	U.E., at S. end of E. bridge seat of bridge over Uwharrie River; on SW. corner of bridge seat; chiseled square	388.11
7 37	16.39	Farmer, 6.1 mi S. of; 0.2 mi S. of Oak Grove Methodist Church; 30 ft S. and in line with I-rd. N.; in concrete post; standard tablet stamped "WDL 22 1956 548"	548.174
7 37	16.48	Reference mark; 450 ft N. of tablet; 100 ft W. of rd.; in root of oak tree; copper nail and washer	550.92

LINE 6 (Cont'd)

			<u>Feet</u>
7 39	18.52	Farmer, 4.0 mi S. of; 40 ft W. and 20 ft N. of crossroads (poor rd. E.-W.); 2.3 ft higher than crossroads; in concrete post; standard tablet stamped "WDL 23 1956 524"	524.151
7 39	18.58	Reference mark; 350 ft N. of tablet; 20 ft W. of rd.; in root of 6-in. maple tree; copper nail and washer	520.03
7 41	20.32	U.E., 20 ft W. of rd.; on boulder; chiseled square	510.46
7 42	20.61	Farmer, 1.9 mi S. of; 10 ft W. and 20 ft N. of T-rd. S.; 1 ft lower than rd. fork; in concrete post; standard tablet stamped "WDL 24 1956 517" <u>DESTROYED, 1973</u>	517.439
7 42	20.62	Reference mark; 15 ft E. of tablet; in W. root of 12-in. oak tree; copper nail and washer	518.47
7 44	22.53	Farmer; at NE. corner of Farmer High School grounds; 375 ft NE. of school; 300 ft S. of U. S. Highway 49; 28 ft S. of rd.; in concrete post; NGS standard triangulation station disk stamped "FARMER 1948"	544.997
7 45	22.55	Reference mark No. 2; 98.72 ft S. of station; in concrete post; NGS reference mark disk stamped "FARMER NO 2 1948" <u>DESTROYED, 1974</u>	542.939
7 45	23.26	U.E., on S. end of W. stone bridge seat of bridge over Uwharrie River; chiseled square	410.57
7 47	24.35	Farmer, 1.8 mi E. of; 110 ft E. of church N. of rd.; 25 ft N. of T-rd. S.; in concrete post; standard tablet stamped "WDL 25 1956 501" <u>DESTROYED, 1974</u>	501.316
7 47	24.36	Reference mark; 50 ft W. of tablet; in SE. root of 10-in. hickory tree; copper nail and washer	505.45
7 50	26.70	Farmer, 2.3 mi E. of, thence 1.8 mi NE. of; 0.5 mi S. of Highway 49; 110 ft N. of Taylor Creek; 30 ft W. of rd.; in concrete post, 1 ft lower than rd.; standard tablet stamped "WDL 26 1956 481" <u>NOT FOUND, 1974</u>	481.013
7 50	26.71	Reference mark; 30 ft N. of tablet; in root of 4-in. double hickory tree; copper nail and washer	482.11
7 51	27.24	U.E., at Van Lanier Grocery; 50 ft E. and 50 ft S. of T-rd. S.; on NW. corner of concrete base of Gulf gas pump; chiseled square	549.47
7 52	28.36	U.E., 30 ft E. and 20 ft S. of T-rd. N.; on E. end of pipe under drive to house S. of rd.; chiseled square	566.42
7 54	30.01	Farmer, 37 mi NE. along Highway 49, thence 1.6 mi N. along dirt rd.; about 5.0 mi W. of Asheboro; 30 ft W. and 30 ft S. of T-rd. S.; in concrete post; standard tablet stamped "WDL 27 1956 625" <u>DISTURBED, 1974</u>	625.381
7 54	30.05	Reference mark; 220 ft W. of tablet; in W. root of 4-in. tree; copper nail and washer	623.67
7 56	31.73	U.E., SW. corner of bridge over Back Creek; on concrete back wall; chiseled square	450.87

NGVD 29  
ElevationsLINE 6 (Cont'd)Feet

7 57	32.19	Farmer, 3.1 mi NE., thence 2.7 mi N. of; about 7.0 mi W. of Asheboro; 30 ft SW. and 30 ft SE. of I-rd. SE.; 40 ft S. of junction; in concrete post level with junction; standard tablet stamped "WDL 28 1956 549" <u>NOT FOUND, 1974</u>	549.431
7 57	32.22	Reference mark; 130 ft NE. of tablet; in NW. root of 18-in. oak tree; copper nail and washer	550.83
7 59	34.11	Farmer, 3.1 mi NE., thence 4.5 mi N. of; about 5 mi NE., thence 1.0 mi N. of Asheboro; 15 ft S. and 30 ft E. of rd. E. to Lakewood Country Club; in concrete post 1 ft lower than rd.; standard tablet stamped "WDL 29 1956 620"	620.264
7 59	34.11	Reference mark; 75 ft N. of tablet; on boulder; chiseled square	623.11

LINE 7.

By W. D. Leitch, 1956; Book AV 458

7 62	0.00	U.E., chiseled square (Previously described in line 6)	566.42
7 62	0.58	Farmer, 4.2 mi NE. along Highway 49; 40 ft S. of junction of I-rd. S.; 20 ft E. of rd.; in concrete post level with rd.; standard tablet stamped "WDL 30 1956 596"	595.820
7 62	0.71	Reference mark; 640 ft S. of tablet; on SW. corner of granite base of tombstone marked "WALKER"	592.88
7 65	2.70	Ulah, 5.3 mi NW. of; 4.2 mi NE. along State Highway 49; thence 2.0 mi S. of Farmer; in SE. angle of rd. fork N.; 35 ft SE. of junction; in concrete post; 1.5 ft above rd.; standard tablet stamped "WDL 31 1956 730"	730.018
7 65	2.68	Reference mark; 120 ft N. of tablet; 25 ft W. of rd.; in W. root of 4-in. oak tree; copper nail and washer	731.09
7 68	5.05	"WDL 32 1956 753" (Reported destroyed, 1957)	753.391
7 68	5.08	Reference mark; 100 ft NE. of tablet; in root of 12-in. cedar tree; copper nail and washer	759.74
7 71	7.36	Ulah; 240 ft SW. of junction of I-rd. SW. and U. S. Highway 220; 25 ft SE. of, and 0.5 ft higher than rd.; in concrete post projecting 8 in.; standard tablet stamped "WDL 33 1956 847"	847.097 ✓
7 70	7.35	Reference mark; 55 ft S. of tablet; on NW. corner of concrete porch floor of store; chiseled square	847.56
7 73	9.50	U.E., on SE. corner of concrete base of sign at C. E. Tell restaurant; chiseled square	840.24
7 73	10.23	Asheboro, 2.1 mi S. of, along U. S. Highway 220; 270 ft S. of entrance to Randolph County Home; 37 ft W. of centerline of highway; in concrete post; NGS standard triangulation station disk stamped "SKYLINES 1948"	853.456

LINE 7 (Cont'd)Feet

7	73	10.26	Reference mark; 170 ft NW. of disk; in concrete post; bronze disk (NGS magnetic station) (no stamping)	856.540
7	75	12.38	"ASHEBORO RESET 1964" (NGS)	848.377
7	76	13.18	"P 91 1935" (NGS) <u>NOT FOUND, 1970</u>	796.695

LINE 8.

By W. D. Leech, 1956; Book AV 458

8	1	0.54	Seagrove, 0.5 mi SE. of junction of U. S. Highway 220 and State Highway 705; between houses SW. of rd.; 30 ft SW. of rd.; 13 ft NE. of telephone pole; in concrete post; NGS standard azimuth mark disk stamped "SEAGROVE 1948" <del>DESTROYED</del> , <u>1973 OK</u>	712.163
8	2	1.15	U.E., 200 ft S. of junction of Highway 705 and rd. SW.; on NE. corner of concrete base holding Gulf advertising sign; chiseled square	606.57

[Jogs into Ramseur quadrangle.]

8	29	20.35	Central Falls, 0.7 mi SW. of, thence 2.4 mi SE.; in NW. angle of crossroads; 35 ft NW. of, and 2 ft lower than junction; in concrete post; standard tablet stamped "WDL 43 1956 673" ( <u>Reported destroyed, 1970</u> )	673.535
8	30	20.37	Reference mark; 110 ft NE. of tablet; 35 ft NE. of rd.; in root of 12-in. pine tree; copper nail and washer	674.54
8	33	22.25	Central Falls, 0.7 mi SW. of, thence 0.5 mi SE.; 20 ft N. and 30 ft W. of junction of I-rd. E.; in concrete post; 1 ft below rd.; standard tablet stamped "WDL 44 1956 716"	716.023
8	33	22.28	Reference mark; 160 ft N. of tablet; 50 ft W. of rd.; in root of 8-in. oak tree; copper nail and washer	715.39
8	37	24.88	U.E., N. end of bottom step at entrance to Balfour Baptist Church; chiseled square	768.61
8	39	25.99	"Q 91 1935" (NGS)	718.460

LINE 9.

By W. D. Leech, 1956; Book AV 458

8	41	1.42	Ulah, 5.1 mi SE. of; 340 ft NE. of house SW. of rd.; 30 ft NW. of rd.; in concrete post; standard tablet stamped "WDL 54 1956 809" <u>NOT FOUND, 1973</u>	809.618
8	41	1.45	Reference mark; 130 ft NE. of tablet; 50 ft NW. of rd.; in S. root of 8-in. oak tree; copper nail and washer	808.05
8	43	4.22	"WDL 32 1956 753" (Destroyed, 1957) (Also in line 7)	753.391



ASHEBORO QUADRANGLE  
Book AV 458

150 NORTH CAROLINA

W. D. Leech

35-079-43  
9

1956

NGVD 29  
Elevations

LINE 10.

Feet

By W. D. Leech, 1956; Book AV 458

- |   |   |      |   |         |
|---|---|------|---|---------|
| 9 | 3 | 1.87 | Ophir, 2.4 mi N. of; 0.2 mi N. of rd. fork E.; at Randolph-Montgomery County Line; 20 ft E. of rd.; in concrete post; standard tablet stamped "WDL 45 1956 660" | 659.744 |
| 9 | 3 | 1.88 | Reference mark; 30 ft NE. of tablet; on boulder; chiseled square  | 661.29  |
| 9 | 6 | 3.88 | Ophir, 3.9 mi N. of; at SW. corner of bridge over Uwharrie River; on S. end of W. bridge seat; 3 ft below rd.; standard tablet stamped "WDL 46 1956 301"        | 381.415 |
| 9 | 4 | 2.82 | Reference mark; 750 ft W. of tablet; in NE. angle of T-rd. N.; in N. root of 30-in. oak tree; copper nail and washer  | 567.11  |

LINE 11.

By W. D. Leech, 1956; Book AV 458

- |   |    |      |   |         |
|---|----|------|---|---------|
| 9 | 54 | 6.56 | Farmer, 1.5 mi NW. of; 75 ft N. of bridge over Jackson Creek; 29 ft E. of rd.; in concrete post; standard tablet stamped "WDL 58 1956 RESET 1961" | 420.355 |
| 9 | 56 | 8.29 | "FARMER 1948" (Described in line 6)   | 544.997 |

LINE 12.

By W. D. Leech, 1956; Book AV 458

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