

TRIPOLYMER LEVELING
NATIONAL GEODETIC VERTICAL ADJUSTMENT OF 1929

35-080-44
STATESVILLE QUADRANGLE
~~189 NORTH CAROLINA~~
N3545-N8045/15
DIAGRAM NI 17-2
CHARLOTTE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Iredell County

Final adjustment of 1975

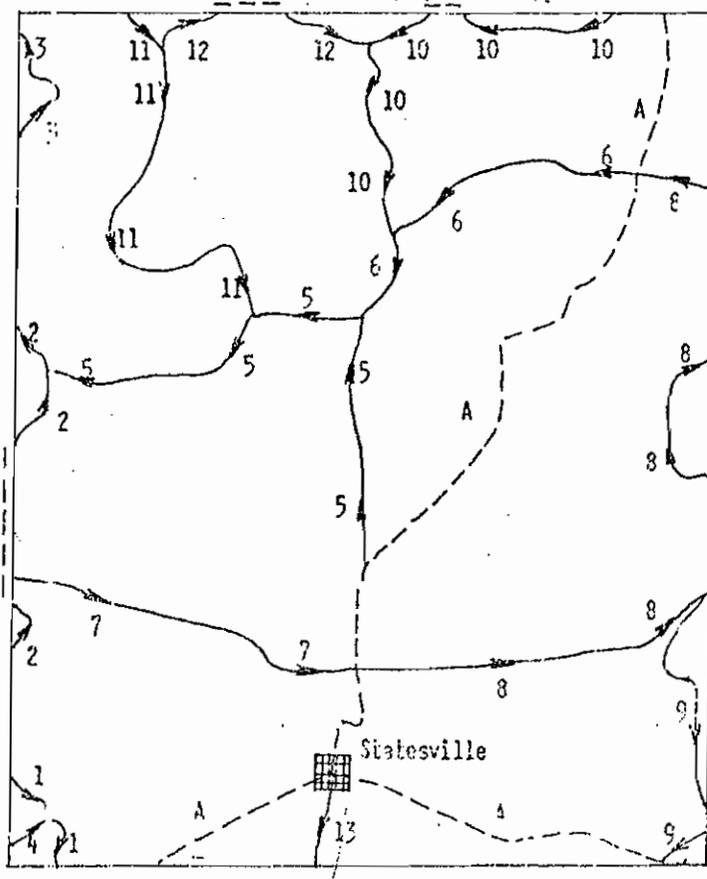
Edition of 11/20/75

PR: WSV/rnc

RONDA
(219)

TAYLORSVILLE
(189)

MOCKSVILLE
(187)



MORRESVILLE
(154)

NGS (NAD83) VERTICAL CONTROL DATA

NGVD 29
Elevations

A. Quadrangle 350804

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1 JAS 1965 914
2 JAS 1965 795

13
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ISOLATED BENCH MARKS (By W. Carvel Hall, 1897; Book 5027)

	<u>Feet</u>
Elmwood, at NE. corner of station; 34 ft S. of N. rail; on iron post; standard cap stamped "838" (Not found, 1966) (Erroneously stamped)	836.540
Statesville, at SE. corner of county courthouse; standard tablet stamped "926" (Disturbed, 1933) (Erroneously stamped) (Not found, 1966)	925.090

LINE 1.

By A. T. Adams, 1951; Book AV 246

4 33 19.38 Bradford Crossroads, 1.9 mi SE. of; 65 ft W. of centerline of rd. at junction of U. S. Highway 70 and rd. NW. to Bradford Crossroads; 7 ft NE. of power pole; 9 ft SW. of rd. sign; in concrete post; standard tablet stamped "56 ATA 1951 984"	984.260
4 33 19.38 Reference mark; 140 ft NNW. of bench mark; on SW. side of rd.; on center of masonry headwall of culvert; chiseled square	979.97

LINE 2.

By A. T. Adams, 1951; Book AV 246

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5 42 3.17 Bradfords Crossroads, 3.0 mi N. of, along rd. to State Highway 90; 1.8 mi SE. of Scotts, along Highway 90; 70 ft W. of centerline of Highway 90 at junction of rd. SW.; 20 ft NW. of centerline of rd.; 10 ft W. of power pole; in concrete post; standard tablet stamped "76 ATA 1951 1043" (Not found, 1970) (Erroneously stamped)	1042.441
5 42 3.17 Reference mark; 65 ft E. of bench mark; on SE. side of rd.; on center of masonry headwall of culvert; chiseled square	1039.45

[Jogs into Taylorsville quadrangle]

5 51 8.83 Scotts, 1.5 mi N. of, to junction of T-rd., thence 0.4 mi NW. to junction of V-rd., thence 1.9 mi NE.; on E. right-of-way at junction of V-rd.; in concrete post; standard tablet stamped "79 ATA 1951 865" (Reset 1955) (Not found, 1971)	864.821
5 51 8.83 Reference mark; 280 ft W. of bench mark; on NW. side of rd.; on NW. end of corrugated iron pipe culvert; chiseled cross	861.77
5 55 11.81 Pisgah Methodist Church, about 140 ft SW. of SW. corner of; 16 ft SW. of 15 in. oak tree; 13 ft N. of centerline of drive; 4 ft S. of power pole; in concrete post; standard tablet stamped "80 ATA 1951 1066"	1066.302
5 55 11.81 Reference mark; 160 ft NE. of bench mark; on W. end of bottom concrete step of church; chiseled square	1068.24
5 58 13.15 Pisgah Methodist Church, 1.5 mi NNW. of; 55 ft ^E WNW. of centerline of rd. at junction of rd. N.; 14 ft NW. of signpost; 9 ft E. of 17 in. yellow pine tree; in concrete post; standard tablet stamped "81 ATA 1951 1020"	1019.874

LINE 2 (Cont'd)

			<u>Feet</u>	
5	59	13.15	Reference mark; 0.2 mi N. of bench mark; in E. bumper guard of wooden bridge; copper nail and washer	929.37

LINE 3.

By A. T. Adams, 1951; Book AV 246

7	6	3.62	Rock Hill Church, 0.5 mi NW. of; 40 ft SE. of centerline of rd. at junction of Y-rd.; 18 ft NNE. of double popular tree; in concrete post; standard tablet stamped "85 ATA 1951 1108"	1107.904
7	6	3.62	Reference mark; 40 ft S. of tablet; between double poplar tree; in root; copper nail and washer	1107.86

LINE 4.

By A. T. Adams, 1951; Book AV 246

4	53	7.58	"56 ATA 1951 984" (Described in line 1)	984.260
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By R. L. Meador, 1966; Book AV 1434

1	1	0.00	"0 44 1933" (NGS)	941.976
1	3	1.33	Statesville, 4.7 mi N. of post office, along U. S. Highway 21, thence 0.8 mi NW. along County Road 1923, thence 0.6 mi N. along County Road 1922; about 135 ft SE. of centerline of County Road 1911 at junction of Road 1922 SE.; 1.0 ft lower than centerline of rd.; 2 ft SE. of, and in top of NW. end of NE. headwall of bridge over Five Mile Branch Creek; standard tablet stamped "323 JAS 1965 829" (Not found, 1966)	828.829
1	5	2.61	Statesville, 5.7 mi N. of post office, along U. S. Highway 21, thence 1.8 mi NW. along County Road 1892, thence 0.1 mi W. along County Road 1913; about 40 ft SE. of, and 1.0 ft lower than centerline of Road 1913 at junction of 1911 S.; 0.4 ft NW. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "324 JAS 1965 936"	936.469
1	7	4.05	Statesville, 5.7 mi N. of post office, along U. S. Highway 21, thence 3.2 mi NW. along County Road 1892; about 1.0 ft higher than centerline of rd.; in top of S. end of E. wheelguard of bridge over South Yackin River; standard tablet stamped "325 JAS 1965 795"	794.602
1	9	5.81	Statesville, 5.7 mi N. of post office, along U. S. Highway 21, thence 5.0 mi NW. along County Road 1892; 2.4 mi E. of Snow Creek Methodist Church at Snow Creek; along County Road 1904; about 40 ft SW. of, and 1.0 ft lower than centerline of Road 1904 W. at junction of Road 1892; in top of N. end of W. headwall of concrete culvert; standard tablet stamped "326 JAS 1965 928"	927.648

LINE 5 (Cont'd)Feet

1 11	7.57	Snow Creek Church, 0.9 mi E. of, along County Road 1904; about 125 ft SE. of, and level with centerline of Road 1904 at junction of County Road 1906 SE.; 0.4 ft NW. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "327 JAS 1965 962"	961.527
1 12	8.10	Snow Creek Church, 0.3 mi E. of Methodist Church, along County Road 1904; about 35 ft N. of, and 2.0 ft higher than centerline of Road 1904 at junction of County Road 1905 S.; 0.4 ft NW. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "328 JAS 1965 940"	940.040
1 15	9.40	Snow Creek Church, 0.3 mi E. of Methodist Church, along County Road 1904, thence 1.3 mi S. along County Road 1905; about 90 ft SW. of, and 2.0 ft higher than centerline of rd. at bridge over Snow Creek; 0.4 ft NW. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "329 JAS 1965 777"	776.685
1 19	11.28	Central School, 2.7 mi S. of, along State Highway 115; 3.1 mi SE. of Pleasant Grove Baptist Church, along County Road 1571; about 65 ft SE. of, and 2.0 ft lower than centerline of rd. at junction of Highway 115 and County Road 1905 E.; about 15 ft SW. of power pole No. 193; 0.5 ft W. of metal witness post; in concrete post level with ground; standard tablet stamped "330 JAS 1965 903"	902.536
1 20	12.44	Central School, 2.7 mi S. of, along State Highway 115, thence 1.2 mi W. along County Road 1571; 1.9 mi SE. of Pleasant Grove Baptist Church; along Road 1571; about 22 ft S. of, and 2.0 ft lower than centerline of Road 1571; 0.4 ft N. of metal witness post; in concrete post projecting 4 in. above ground; standard tablet stamped "331 JAS 1965 947"	947.140
1 22	13.65	Central School, 2.7 mi S. of, along State Highway 115, thence 2.2 mi W. along County Road 1571, thence 0.2 mi S. along County Road 1561; 0.8 mi SE. of Pleasant Grove Baptist Church; thence 0.2 mi S. along Road 1561; about 2.0 ft lower than centerline of rd.; in top of S. end of W. headwall of concrete culvert at drain crossing; standard tablet stamped "332 JAS 1965 882"	881.646
1 24	14.69	Central School, 2.7 mi S. of, along State Highway 115, thence 3.2 mi W. along County Road 1571; about 150 ft W. of W. corner of Pleasant Grove Baptist Church; about 25 ft N. of, and 2.0 ft higher than centerline of rd. at junction of drive NE. to church; 0.4 ft SW. of metal witness post; in concrete post level with ground; standard tablet stamped "333 JAS 1965 1033"	1033.154
1 25	15.58	"80 ATA 1951 1036" (Described in line 2)	1066.302

LINE 6.

By R. L. Neador, 1966; Book AV 1434

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Elevations

1 30	0.00	"V 44 1933" (NJS)	991.081
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LINE 6 (Cont'd)Feet

1	31	1.38	Harmony, 0.2 mi S. of post office, along U. S. Highway 21, thence 1.2 mi W. along County Road 1843; about 1.0 ft lower than centerline of rd.; in top of E. end of S. headwall of concrete culvert over small stream; standard tablet stamped "359 JAS 1965 827"	827.208
1	33	2.45	Harmony, 0.2 mi S. of post office, along U. S. Highway 21, thence 2.1 mi W. along County Road 1845; 0.4 mi NE. of post office at Olin, along County Road 1891, thence 2.3 mi E. along County Road 1887; about 27 ft E. of, and 3.0 ft higher than centerline of Road 1845 at junction of 1887 W.; 4 ft E. of rd. signpost; 3 ft SE. of fence corner; 0.5 ft W. of metal witness post; in concrete post projecting 5 in. above ground; standard tablet stamped "360 JAS 1965 959"	959.336
1	35	3.39	Olin, 0.4 mi NE. of post office, along County Road 1891, thence 1.3 mi E. along County Road 1887; about 50 ft W. of, and 2.0 ft lower than center of bridge; 25 ft SW. of, and 2.0 ft lower than centerline of rd.; 0.6 ft SW. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "361 JAS 1965 812"	812.372
1	37	4.20	Olin, 0.4 mi NE. of post office, along County Road 1891, thence 0.4 mi E. along County Road 1887; about 60 ft NE. of, and 6.0 ft higher than centerline of Road 1887 at junction of County Road 1888 S.; 0.5 ft S. of metal witness post; in concrete post projecting 6 in. above ground; standard tablet stamped "362 JAS 1965 930" <i>Destroyed 1/95 BY RD. CONST. (NCDOT) EWB</i>	930.152
1	39	5.28	Olin, 0.3 mi SW. of post office, along County Road 1891; about 45 ft S. of, and 1.0 ft lower than center of bridge over Olin Creek; about 23 ft E. of, and 1.0 ft lower than centerline of rd.; 0.6 ft W. of metal witness post; in concrete post projecting 4 in. above ground; standard tablet stamped "363 JAS 1965 818"	817.817
1	42	6.91	Union Grove, 0.7 mi W. of post office, along State Highway 901, thence 7.6 mi S. along County Road 1892; 1.9 mi SW. of post office at Olin, along County Road 1891; about 65 ft N. of, and 1.0 ft lower than centerline of Road 1892 at junction of Road 1891 NE.; in top of NW. end of NE. headwall of concrete culvert; standard tablet stamped "352 JAS 1965 851" <i>2/84 GOOD</i>	851.220
1	43	7.45	Union Grove, 0.7 mi W. of post office, along State Highway 901, thence 8.2 mi S. along County Road 1892; about 1.0 ft higher than center of bridge over Patterson Creek; in top of S. end of W. wheelguard of bridge; standard tablet stamped "353 JAS 1965 820"	819.934
1	45	8.64	"326 JAS 1965 928" (Described in line 5)	927.643

1966

1966

LINE 7.Feet

By R. L. Meador, 1966; Book AV 1434

2	4	2.82	Scotts, 0.5 mi SE. of post office, along State Highway 90, thence 0.5 mi E. along County Road 1551; about 50 ft NW. of, and 2.0 ft lower than centerline of rd. at junction of drive N. to Scotts Rosenwald Elementary School; 3 ft W. of power pole No. 9; 0.3 ft S. of metal witness post; in concrete post level with ground; standard tablet stamped "303 JAS 1965 1026"	1025.614
2	5	3.96	Scotts, 0.5 mi SE. of post office, along State Highway 90, thence 1.7 mi E. along County Road 1551; about 60 ft SW. of, and 3.0 ft lower than centerline of Road 1551 at junction of County Road 1550 S.; 0.3 ft E. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "304 JAS 1965 999"	999.330
2	7	5.55	Scotts, 0.5 mi SE. of post office, along State Highway 90, thence 3.3 mi E. along County Road 1551; about 55 ft SE. of, and 3.0 ft lower than centerline of rd. at junction of drive S.; 0.3 ft N. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "305 JAS 1965 966"	965.993
2	8	6.63	Scotts, 0.5 mi SE. of post office, along State Highway 90, thence 4.5 mi E. along County Road 1551; 3.7 mi NW. of Statesville Senior High School in Statesville; along State Highway 115, thence 0.5 mi W. along Road 1551; about 85 ft S. of, and 5.0 ft higher than centerline of Road 1551 at junction of County Road 1544 S.; 0.3 ft N. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "306 JAS 1965 962"	961.558
2	10	7.86	Statesville, 2.9 mi NW. of Statesville Senior High School, along State Highway 115; 0.1 mi SW. of bridge over Marrison Creek; about 40 ft NE. of, and 2.0 ft lower than centerline of rd. at junction of drive N. along NE. end of private lake to brick house; in top of NE. end of NW. headwall of concrete culvert; standard tablet stamped "307 JAS 1965 846"	845.878
2	12	8.72	Statesville, 2.0 mi NW. of Statesville Senior High School, along State Highway 115; about 0.1 mi NW. of junction of Highway 115 and County Road 1541 SW.; about 15 ft SW. of, and 1.0 ft lower than centerline of rd. at drain crossing; in top of NW. end of SW. headwall of concrete culvert; standard tablet stamped "308 JAS 1965 951"	950.859
2	14	9.73	Statesville, 1.0 mi NW. of Statesville Senior High School, along State Highway 115 to junction of Interstate Highway 40; at Highway 40 bridge over Highway 115; about 14.0 ft higher than centerline of Highway 115; 4.0 ft lower than centerline of Highway 40; in top of S. end of W. abutment of bridge; standard tablet stamped "309 JAS 1965 380"	879.830

NGVD 29
Elevations

LINE 7 (Cont'd)Feet

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|------|-------|---|---------|
| 2 15 | 10.55 | Statesville, 1.0 mi NW. of Statesville Senior High School, along State Highway 115, thence 0.8 mi E. along Interstate Highway 40; opposite radio station tower; at large sign reading Interstate 77 Charlotte-Elkin junction 1.5 mi; in top of NW. corner of N. concrete base of sign; standard tablet stamped "310 JAS 1965 888" | 888.245 |
| 2 16 | 11.56 | "P 44 1933" (NGS) | 796.084 |

LINE 8.

By R. L. Meador, 1966; Book AV 1434

- | | | | |
|------|------|---|---------|
| 2 17 | 0.00 | "P 44 1933 (NGS) (Also in line 7) | 796.084 |
| 2 18 | 0.99 | Statesville, 1.0 mi NW. of Statesville Senior High School, along State Highway 115, thence 2.6 mi E. along Interstate Highway 40 to junction of Interstate Highway 77; about 14.0 ft higher than centerline of Highway 40; 4.0 ft lower than centerline of Highway 77; in top of E. end of S. abutment of Highway 40; standard tablet stamped "311 JAS 1965 859" | 858.882 |
| 2 21 | 2.08 | Statesville, about 3.0 mi NE. of; near junction of U. S. Highway 64 and paved rd.; along S. edge of small grove of pine trees; 175 ft NW. of centerline of hwy.; 120 ft NE. of NE. corner of white house; 100 ft N. of centerline of paved rd.; in concrete post projecting 2 in.; NGS standard triangulation station disk stamped "OAKDALE 2 1952" (Not found, 1966) | 914.297 |
| 2 22 | 2.96 | Statesville, 4.4 mi NE. of post office, along U. S. Highway 64; about 52 ft SE. of, and 1.0 ft higher than centerline of Highway 64 at junction of County Road 2320 S. and 2176 N.; 4 ft E. of power pole No. 57; 0.3 ft N. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "312 JAS 1965 909" | 908.557 |
| 2 24 | 4.26 | Statesville, 5.7 mi NE. of post office, along U. S. Highway 64; about 45 ft NW. of, and 2.0 ft higher than centerline of Highway 64 at junction of County Road 2316 S.; 50 ft SW. of SW. corner of Cool Springs Volunteer Fire Department; between 2 telephone poles; 0.3 ft S. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "313 JAS 1965 899" | 899.369 |
| 2 26 | 5.26 | Statesville, 6.8 mi NE. of post office, along U. S. Highway 64; about 45 ft SE. of, and 1.0 ft higher than centerline of Highway 64 at junction of County Road 2315 S.; 0.3 ft N. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "314 JAS 1965 903" | 903.133 |

NGVD 29
Elevations

LINE 8 (Cont'd)Feet

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|------|------|---|---------|
| 2 28 | 6.29 | Statesville, 7.8 mi NE. of post office, along U. S. Highway 64; about 55 ft E. of, and level with centerline of Highway 64 at junction of County Road 2305 SE.; about 75 ft SE. of telephone pole No. 127; 0.3 ft NW. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "315 JAS 1965 868" | 867.837 |
| 2 30 | 7.30 | Statesville, about 8.0 mi NE. of; on S. side of U. S. Highway 64; on property of Mr. A. R. Campbell; 137 ft SE. of centerline of hwy.; 65 ft E. of NE. corner of house; 54 ft NE. of SE. corner of house; in concrete post flush with ground; NGS standard triangulation station disk stamped "OAK 1949" | 927.299 |
| 2 30 | 7.30 | Reference mark No. 1; about 8.0 mi NE. of Statesville; on S. side of U. S. Highway 64; 45 ft E. of SE. corner of house; in concrete post projecting 4 in.; NGS standard reference mark disk stamped "OAK NO 1 1949" | 924.401 |
| 2 30 | 7.30 | Reference mark No. 2; about 8.0 mi NE. of Statesville; on S. side of U. S. Highway 64; 15 ft NE. of NE. corner of house; in concrete post flush with ground; NGS standard reference mark disk stamped "OAK NO 2 1949" | 927.149 |

[logs into Mocksville quadrangle]

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|------|-------|---|---------|
| 2 37 | 12.04 | Cool Spring, 0.2 mi NE. of Cool Spring School, along U. S. Highway 64, thence 2.0 mi NW. along County Road 2163; about 150 ft W. of, and 3.0 ft lower than centerline of Road 2163 at junction of County Road 2162; 0.6 ft SE. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "372 JAS 1965 834" | 834.357 |
| 2 40 | 13.66 | Harmony, 0.1 mi S. of post office, along U. S. Highway 21, thence 4.9 mi SE. along State Highway 901, thence 4.6 mi SW. along County Road 2158; 0.2 mi NE. of Cool Spring School at Cool Spring, along U. S. Highway 64, thence 2.0 mi NW. along County Road 2163, thence 1.7 mi NW. along County Road 2162; about 250 ft SE. of centerline of Road 2158 at junction of Road 2162 SE.; 25 ft NE. of, and 1.0 ft lower than centerline of rd.; 9 ft S. of power pole No. 105; 0.5 ft SW. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "371 JAS 1965 835" | 835.136 |
| 2 42 | 14.92 | Harmony, 0.1 mi S. of post office, along U. S. Highway 21, thence 4.9 mi SE. along State Highway 901, thence 3.3 mi SW. along County Road 2158; about 0.5 ft lower than center of bridge over South Yadkin River; in top of NW. end of NE. abutment of bridge; standard tablet stamped "370 JAS 1965 717" | 717.285 |
| 2 44 | 15.88 | Harmony, 0.1 mi S. of post office; along U. S. Highway 21, thence 4.9 mi SE. along State Highway 901, thence 2.3 mi SW. along County Road 2158; level with center of bridge over small stream; in top of SE. end of SW. abutment of bridge; standard tablet stamped "369 JAS 1965 720" | 719.385 |

[logs into Mocksville quadrangle]

LINE 8 (Cont'd)Feet

- 2 51 21.95 Harmony, 0.1 mi S. of, along U. S. Highway 21, thence 1.1 mi SE. along State Highway 901; about 60 ft NE. of, and 2.0 ft lower than centerline of Highway 901 at junction of County Road 2191 N.; 0.4 ft S. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "364 JAS 1965 960" 960.125
- 2 52 23.18 "V 44 1933" (NGS) (Described in line 6) 991.081

LINE 9.

By R. L. Meador, 1966; Book AV 1434

- 2 54 0.00 "315 JAS 1965 868" (Described in line 8) 867.837
- 2 55 1.19 Statesville, 7.8 mi NE. of post office, along U. S. Highway 64, thence 1.2 mi SE. of along County Road 2305; 4.3 mi NE. of junction of U. S. Highway 70 and County Road 2303 in Elmwood, along Road 2308; about 200 ft SE. of junction of Roads 2305 and 2308 S.; 20 ft E. of, and level with centerline of Road 2308; 0.4 ft W. of metal witness post; in concrete post projecting 1 in. above ground; standard tablet stamped "316 JAS 1965 902" 901.592
- 2 57 3.15 Elmwood, 2.3 mi NE. of junction of U. S. Highway 70 and County Road 2308, along Road 2308; about 200 ft E. of junction of Road 2308 and 2309 E.; about 19 ft N. of, and 1.0 ft lower than centerline of rd.; 3 ft W. of telephone pole No. 1; 0.4 ft S. of metal witness post; in concrete post projecting 5 in. above ground; standard tablet stamped "317 JAS 1965 800" 799.613
- 2 60 4.55 Elmwood, 0.9 mi NE. of junction of U. S. Highway 70 and County Road 2308, along Road 2308; about 150 ft NE. of centerline of rd. at junction of drive N.; about 30 ft NW. of, and 2.0 ft lower than centerline of rd.; 3 ft NE. of fence corner; 0.3 ft SE. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "318 JAS 1965 795" 795.221

[Joins into Mocksville quadrangle]

- 2 61 5.40 Elmwood, about 250 ft W. of junction of U. S. Highway 70 and County Road 2308 N.; about 35 ft N. of, and 3.0 ft higher than centerline of Highway 70; 6 ft SW. of telephone pole; 0.4 ft S. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "319 JAS 1965 838" (Tied by NGS, 1967) 837.954

LINE 10.

By R. L. Meador, 1966; Book AV 1434

- 5 1 0.00 "X 44 1933" (NGS)

NGVD 29
Elevations

817.8

LINE 10 (Cont'd.)Feet

- 5 3 1.72 Harmony, 3.5 mi N. of post office, along U. S. Highway 21; 1.1 mi W. of Houstonville, along County Road 1833; about 32 ft N. of, and 2 ft higher than centerline of County Road 1833 at junction of County Road 1837 S.; about 45 ft NW. of power pole No. 489; 0.5 ft S. of metal witness post; in concrete post projecting 0.3 ft above ground; standard tablet stamped "357 JAS 1965 994" 3/84
GOOD 993.731
- 5 5 3.53 Harmony, 3.4 mi W. of, along State Highway 901; 0.3 mi SW. of triangulation station "WINTHROP 1954"; 31 ft E. of centerline of hwy.; 2 ft NE. of white witness post; 1 ft N. of telephone pole No. 81; in concrete post projecting 3 in.; NGS standard azimuth mark disk stamped "WINTHROP 1954" 1015.003
909.37
- 5 5 3.53 Reference mark No. 1; 39 ft SE. of station; 30 ft NE. of centerline of hwy.; 1 ft NW. of telephone pole No. 87; NGS standard reference mark disk stamped "WINTHROP NO 1 1954" 1050.166
- 5 5 3.53 Reference mark No. 2; 23 ft NW. of station; 30 ft NE. of centerline of hwy.; 73 ft NW. of telephone pole No. 87; in concrete post projecting 2 in.; NGS standard reference mark disk stamped "WINTHROP NO 2 1954" NGVD 29
Elevations 1052.269
- 5 5 3.53 Harmony, 3.4 mi W. of junction of U. S. Highway 21 and State Highway 901, along Highway 901 to azimuth mark on right; continue 0.3 mi W.; 3.5 mi W. of Houstonville; 30 ft NE. of centerline of Highway 901; 40 ft NW. of telephone pole No. 87; in concrete post flush with ground; NGS standard triangulation station disk stamped "WINTHROP 1954" 1051.552 — DE
(RESET)
- 5 7 4.77 Union Grove, 0.2 mi NW. of post office, along State Highway 901, thence 2.4 mi SE. along County Road 1852, thence 1.4 mi E. along County Road 1850; about 2.0 ft lower than centerline of rd.; in top of NE. end of SE. headwall of culvert over small stream; standard tablet stamped "356 JAS 1965 893" 893.463
- 5 10 6.06 Union Grove, 0.2 mi NW. of post office, along State Highway 901, thence 2.4 mi SE. along County Road 1852; about 40 ft NE. of, and 1.0 ft higher than centerline of rd. 1852 and County Road 1850 E.; 0.4 ft W. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "355 JAS 1965 1805" 1005.229

[Jogs into Ronda quadrangle]

- 5 14 8.89 Union Grove, 0.7 mi NW. of post office, along State Highway 901, thence 2.5 mi S. along County Road 1892; about 25 ft NW. of, and 3.0 ft lower than centerline of Road 1892 at junction of County Road 1811 E.; in top of S. end of W. concrete headwall of culvert; standard tablet stamped "348 JAS 1965 984" 983.854
- 5 16 10.37 Union Grove, 0.7 mi NW. of post office, along State Highway 901, thence 4.1 mi S. along County Road 1892; 1.0 ft lower than centerline of rd.; in top of NE. end of NW. headwall of concrete culvert over small stream; standard tablet stamped "349 JAS 1965 913" 912.505

LINE 10 (Cont'd)Feet

- 5 18 11.46 Union Grove, 0.7 mi NW. of post office, along State Highway 901, thence 5.2 mi S. along County Road 1892; about 120 ft N. of junction of County Roads 1892 and 1891 E.; about 17 ft E. of, and 1.0 ft lower than centerline of rd.; in top of N. end of E. concrete headwall of culvert; standard tablet stamped "350 JAS 1965 982" 3184 GOOD 981.527
- 5 20 12.93 Union Grove, 0.7 mi NW. of post office, along State Highway 901, thence 6.8 mi S. along County Road 1892; 1.0 ft higher than center of bridge over Olin Creek; in top of S. end of W. wheelguard of bridge; standard tablet stamped "351 JAS 1965 840" 839.544
- 5 21 13.73 "352 JAS 1965 851" (Described in line 6) 851.220

LINE 11.NGVD 29
Elevations

By R. L. Meador, 1966; Book AV 1434

- 5 35 6.15 Central School, 5.0 mi N. of, along State Highway 115; about 0.1 mi S. of junction of Highway 115 and County Road 1861 E.; about 1.0 ft lower than centerline of rd.; in top of N. end of E. headwall of concrete culvert over small stream; standard tablet stamped "339 JAS 1965 1151" (Erroneously stamped) 1150.376
- 5 37 6.75 Statesville, about 16.0 mi NW. of; 13.0 mi NE. of Tyalorsville; 85 ft E. of centerline of State Highway 115; 69 ft S. of SE. corner of Hill Top Store; in concrete post projecting 6 in.; NGS standard triangulation station disk stamped "HILL TOP 1949" 1277.172
- 5 37 6.75 Reference mark No. 1; 59 ft NE. of tablet; 59 ft SE. of SE. corner of store; in concrete post projecting 4 in. above ground; NGS standard reference mark disk stamped "HILL TOP 1949" 1280.772
- 5 37 6.75 Reference mark No. 2; 83 ft SW. of tablet; 41 ft E. of centerline of Highway 115; in concrete post projecting 4 in. above ground; NGS standard reference mark disk stamped "HILL TOP 1949" 1275.876
- 5 39 7.76 Central School, 3.4 mi N. of, along State Highway 115; about 2.0 ft lower than centerline of rd.; in top of N. end of E. headwall of culvert over small stream; standard tablet stamped "338 JAS 1965 1057" (Erroneously stamped) 1056.423
- 5 41 8.72 Central School, 2.4 mi N. of, along State Highway 115; 1.0 ft lower than centerline of rd.; in top of SW. end of SE. headwall of culvert over small stream; standard tablet stamped "337 JAS 1965 1071" (Erroneously stamped) 1070.493
- 5 42 9.55 Central School, 1.5 mi N. of, along State Highway 115; about 240 ft NNE. of Highway 115 at junction of County Road 1898 E.; about 12 ft NW. of and 1.0 ft lower than centerline of rd.; in top of SW. end of NW. headwall of concrete culvert; standard tablet stamped "336 JAS 1965 1065" (Erroneously stamped) 1064.478
- 5 44 11.22 Central School, 1.5 mi N. of, along State Highway 115, thence 1.8 mi E. along County Road 1898; about 90 ft WSW. of, and 8.0 ft higher than centerline of Road 1898 at junction of County Road 1872; 0.4 ft NE. of metal witness post; in concrete post projecting 6 in. above ground; standard tablet stamped "335 JAS 1965 1011" 10

LINE 11 (Cont'd)

			<u>Feet</u>
5 45	12.49	Central School, 1.5 mi N. of, along State Highway 115, thence 3.1 mi E. along County Road 1898; about 40 ft SW. of, and 2.0 ft lower than centerline of Road 1898 at junction of County Road 1874 E.; 0.4 mi E. of metal witness post; in concrete post projecting 2 in. above ground; standard tablet stamped "334 JAS 1965 928"	928.251
5 47	13.70	"328 JAS 1965 940" (Described in line 5)	940.040

LINE 12.

By R. L. Meador, 1966; Book AV 1434

5 49	0.00	"339 JAS 1965 1151" (Described in line 11)	1150.376
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[Jogs into Ronda quadrangle]

5 53	3.09	Central School, 5.1 mi N. of, along State Highway 115, thence 3.1 mi NE. along County Road 1861; 0.7 mi NW. of post office at Union Grove, along State Highway 901, thence 3.1 mi S. along County Road 1892, thence 1.7 mi NW. along Road 1861; about 100 ft W. of, and 7.0 ft lower than centerline of Road 1861 at junction of County Road 1860 S.; 0.5 ft N. of metal witness post; in concrete post level with ground; standard tablet stamped "346 JAS 1965 1069 ET"	1068.891
5 55	4.51	Union Grove, 0.7 mi NW. of post office, along State Highway 901, thence 1.8 mi S. along County Road 1892; about 55 ft S. of, and level with centerline of Road 1892 at junction of County Road 1858 SW.; in top of SE. end of SW. concrete headwall of culvert; standard tablet stamped "347 JAS 1965 1019"	1018.536
5 56	5.24	"348 JAS 1965 984" (Described in line 10)	983.859

LINE 13.

By H. L. Zohn, 1969; Book AV 1542

1 36	17.57	"348 JAS 1965 984" (Described in line 10) (Also in line 12)	983.859
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*	1	JAS STATESVILLE, 1.0 MI. S. OF SOLLY STATION; ALONG US 21; 16 FT SW OF, AND LEVEL WITH ϕ OF SHELTON AVE. AT JUNCTION OF FAYETTEVILLE AVE. W.; 4 FT SE OF A STEEL CATCH BASIN CULVERT; IN NE END OF CONCRETE CURB; STANDARD TABLET STAMPED "1 JAS 1965 914."	914.195
	2	JAS STATESVILLE, 1.8 MI S. OF SOLLY STATION; ALONG US 21; 1.0 FT HIGHER THAN CENTER OF BRIDGE OVER THIRD CREEK; IN TOP OF N. END OF E. WHEELGUARD OF BRIDGE; STANDARD TABLET STAMPED "2 JAS 1965 795"	795.025

NGVD 29
Elevations

NCGS 3RD ORDER
ELEVATION TRANSFER

DATE 93-10-14 TIME 11:15
 LEVEL NI 2 JOB INSTR. # 803 ✓
 ROD MOUND CITY PRO-20 JOB INSTR. # 421 ✓

UNITS = METERS

FROM BENCH MARK KINGS CREEK A2 (SPN) 14 TO STATION KINGS CREEK (SPN) 7 ✓

FORWARD RUN

BACKWARD RUN

BS	FS	BS	FS
0.285	4.307	1.274	1.336
0.050	2.305	2.211	0.132
1.366	1.303	4.551	0.354

TOTALS:

1.701 ✓ 7.915 ✓ 8.036 ✓ 1.822 ✓

DE = -6.214 METERS ✓ DE = 6.214 METERS ✓

KINGS CREEK A2 BENCH MARK ELEVATION (METERS) 397.788 ✓

MEAN DE -6.214 ✓

STATION KINGS CREEK ELEV (METERS) 391.572 ✓

67 Pub = 391.572

DATE 93-10-14 TIME 12:12
 LEVEL NI 2 JOB INSTR. # 803 ✓
 ROD MOUND CITY PRO-20 JOB INSTR. # 421 ✓

UNITS = METERS

FROM BENCH MARK KINGS CREEK (SPN) 7 TO STATION 7 ATA RESET (SPN) 107 ✓

FORWARD RUN

BACKWARD RUN

BS	FS	BS	FS
1.151	2.911	2.879	1.119

NGVD 29
Elevations

TOTALS:

1.151 ✓ 2.911 ✓ 2.879 ✓ 1.119 ✓

DE = -1.760 METERS ✓ DE = 1.760 METERS ✓

KINGS CREEK BENCH MARK ELEVATION (METERS) 391.572 ✓

MEAN DE -1.760 ✓

STATION 7 ATA RESET ELEV (METERS) 389.812 ✓

ELC