

THIRD-ORDER LEVELING  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

36-078-23  
 LOUISBURG QUADRANGLE  
 209 NORTH CAROLINA  
 N3600-W7815/15  
 DIAGRAM NJ 17-12  
 GREENSBORO

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

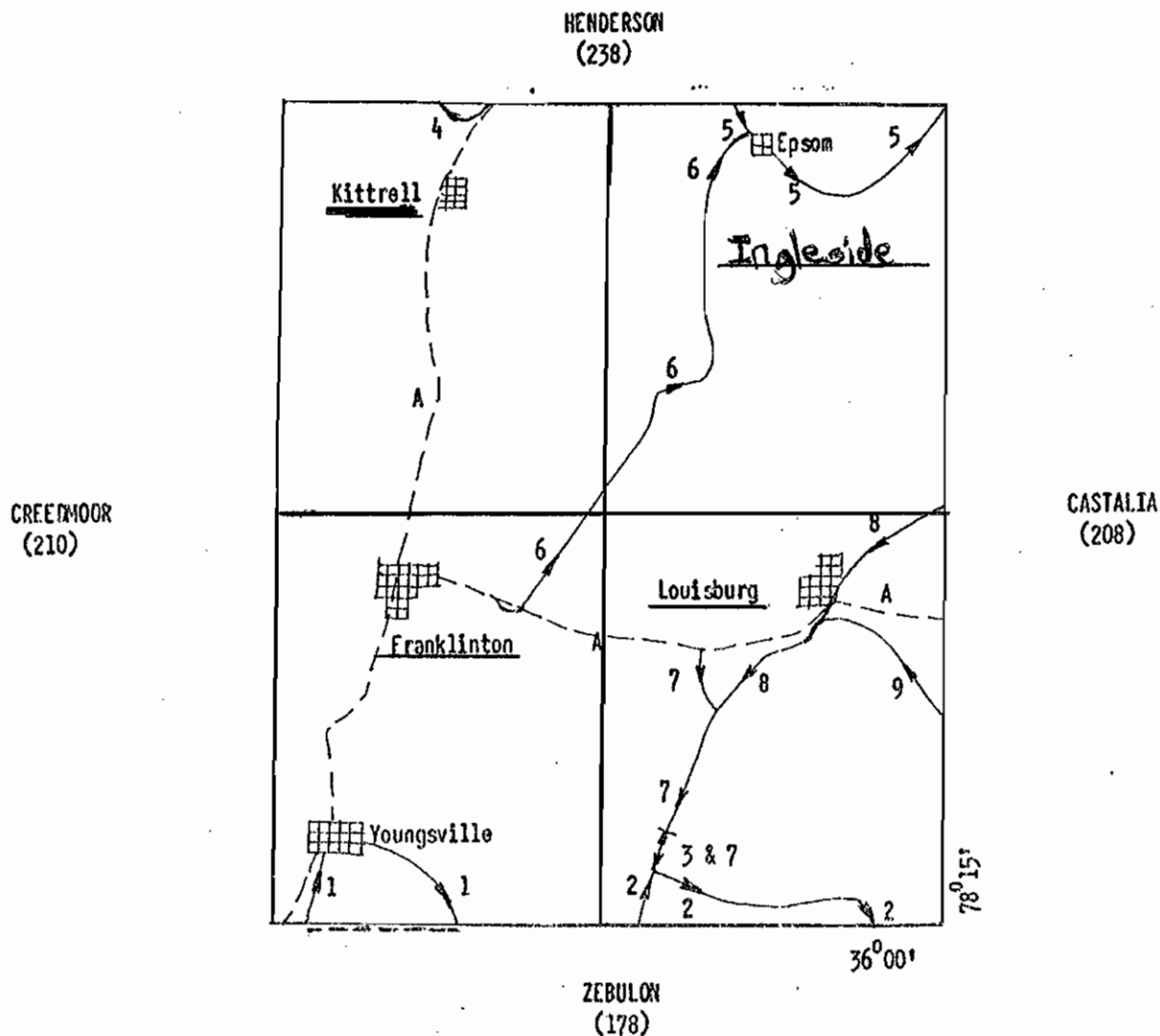
Franklin and Vance Counties

Final adjustment of 1971

Edition of 11/13/75

PR: GK/jyk

NGVD 29  
 Elevations



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360782

209

LOUISBURG QUADRANGLE

N3600-W7815/15  
209 NORTH CAROLINA

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25 MEA

NGVD 29  
Elevations

3  
LOUISBURG  
Book AV 816

NORTH CAROLINA

36-078-23  
D. R. Deane & others

1960

LINE 1.

Feet

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

Youngsville, 0.25 mi SE. of, along State Highway 96; 300 ft NW. of junction of T-rd. E.;  
25 ft W. of, and 3 ft lower than centerline of hwy.; in N. end of W. headwall of culvert;  
standard tablet stamped "108 DRD 1960 433"

432.804

Reference mark; 15 ft SE. of tablet; on S. end of pipe culvert; chiseled square

459.89

Youngsville; at E. entrance of Bravo Battery Armory; at door; in SW. corner of concrete slab;  
standard tablet stamped "109 DRD 1960 462"

461.931

Reference mark; 200 ft NE. of tablet; on E. end of drainpipe

446.87

Youngsville, 3.0 mi SE. of; 140 ft W. of, and 4 ft higher than centerline of rd.; 27 ft SE.  
of SE. corner of brick residence; 4 ft E. of power pole; in concrete post; standard  
tablet stamped "110 DRD 1960 452"

452.013

Reference mark; 52 ft NW. of tablet; at NE. corner of first step at E. entrance of farm residence

453.00

LINE 2.

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

NGVD 29  
Elevations

"124 DRD 1960 383" (Destroyed, 1968)

383.106

Reference mark; 230 ft W. of tablet; at SW. angle of crossroads; on concrete pipe culvert

378.29

Harris Crossroads, 2.8 mi NE. of, thence 2.6 mi E.; 3.0 mi NW. of Bunn, along State Highway 39,  
thence 2.8 mi W.; 0.3 ft from front E. corner of Ransdell Chapel Baptist Church; in concrete  
walk; standard tablet stamped "125 DRD 1960 RESET 1975" (Unchecked elevation)

293.762

U.E., on center of first step leading to cemetery; chiseled square

289.14

LINE 3.

By D. R. Deane, 1960; Book AV 816

"124 DRD 1960 383" (Destroyed, 1968) (Also in line 2)

383.106

U.E., on E. side of rd.; on SE. corner of concrete culvert; chiseled square

329.02

U.E., 35 ft N. of S. end of bridge over Cedar Creek; at gaging station No. 6; on top of W.  
handrail; chiseled square

239.35

1970

LINE 4.

NGVD 29  
Elevations

feet

By H. L. Zohn, 1970; Book AV 1574

5	54	1.85	Gill, 1.7 mi SW. of junction of U. S. Highway 1 and County Road 1548, along Highway 1 (business), thence 0.5 mi W. along County Road 1107; at W. edge of steel tower powerline; 29 ft S. of, and about 2 ft higher than centerline of rd. opposite; in top of large rock outcrop; standard tablet stamped "118 HLZ 1970"	382.071
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LINE 5.

H. L. Zohn, 1970; Book AV 1574

5	16	5.81	Reference mark No. 1; 82 ft NE. of disk; 136 ft E. of NE. corner of gymnasium; 133 ft SE. of NE. corner of school; 123 ft SW. of centerline of State Highway 39; 22 ft SE. of centerline of paved driveway; in round concrete post flush with ground; NGS standard reference mark disk stamped "EPSOM NO 1 1969"	477.808
5	17	5.83	Epsom, 0.2 mi SE. of main crossroads, along State Highway 39 to paved driveway on right leading to school, thence 0.05 mi right (SW.) along paved driveway to school on right; 205 ft SW. of centerline of Highway 39; 174 ft S. of NE. corner of school; 68 ft NE. of NE. corner of gymnasium; 34 ft NE. of centerline of paved driveway; 30 ft SE. of centerline of another paved driveway; in round concrete post flush with ground; NGS standard triangulation station disk stamped "EPSOM 1969"	478.123
5	18	5.85	Reference mark No. 2; 98 ft SSE. of disk; 128 ft SE. of NE. corner of gymnasium; 20 ft SW. of paved driveway; in concrete post flush with ground; NGS standard reference mark disk stamped "EPSOM NO 2 1969"	475.239
5	19	6.23	Azimuth mark; 0.4 mi ESE. of disk; 39 ft SE. of centerline of driveway; 35 ft NE. of centerline of State Highway 39; 2.5 ft NW. of powerline pole No. 262; 1.5 ft SE. of witness post; in concrete post projecting 0.5 ft above ground; NGS standard azimuth mark disk stamped "EPSOM 1969"	469.501
5	20	7.00	U.E., in centerline of hwy. at drive S.; bottle cap and nail	431.00
5	21	7.83	Epsom, 2.0 mi SE. of elementary school, along State Highway 39; 63 ft WSW. of, and about 0.5 ft lower than junction of Highway 39 and County Road 1404; 0.5 ft NE. of witness sign; in concrete post projecting 0.3 ft.; standard tablet stamped "130 HLZ 1970"	401.941
5	23	8.75	U.E., in centerline of bridge over Flatrock Creek; bottle cap and nail	340.89

WL = 328 ft

NGVD 29  
Elevations

36-078-23

5  
LOUISBURG  
Book AV 1574

NORTH CAROLINA

H. L. Zohn

1970

LINE 5 (Cont'd.)

Feet

5	24	9.23	U.E., in junction of County Roads 1401 and 1404; bottle cap and nail	413.84
5	25	9.42	Kearney; 140 ft W. of, and about 2 ft higher than junction of U. S. Highway 401 and County Road 1401; 0.5 ft N. of witness sign; in concrete post projecting 0.2 ft.; standard tablet stamped "131 HLZ 1970"	397.571
5	26	10.30	U.E., in centerline of hwy. at drive NW.; bottle cap and nail	335.29
5	27	10.84	U.E., in centerline of hwy. at T-rd. NW.; bottle cap and nail	318.06
5	28	11.09	Kearney, 1.7 mi NE. of junction of U. S. Highway 401 and County Road 1401, along Highway 401; at concrete bridge over creek; in SW. end of NW. guardrail; standard tablet stamped "132 HLZ 1970"	281.611
WL = 267 ft				
5	29	11.18	PANEL: K-6	277.26

LINE 6.

Richard L. Meador, 1971; Book AV 1606

1	1	0.00	"389.878 P 68 1934" (NGS)	389.953
1	1	0.79	Franklinton, 2.5 mi E. of, along State Highway 56; 2.5 mi S. of Mitchiners Crossroads; at junction of State Highway 56 and County Road 1003; 70 ft N. and 105 ft W. of, and 1.5 ft lower than T-rd. N.; 51 ft S. of S. rail of RR.; in concrete post projecting 0.3 ft.; standard tablet stamped "1 MEA 1971 382", painted "BM 382.3"	382.300
1	2	1.33	U.E., in centerline of drive W.; copper nail and washer, painted "CL 366.7"	366.74
1	3	2.39	Mitchiners Crossroads, 1.0 mi S. of, along County Road 1003; 26 ft S. and 26 ft E. of, and lower than centerline of bridge over Buffalo Creek; 1 ft SW. of metal witness post; in concrete post projecting 0.2 ft.; standard tablet stamped "2 MEA 1971 276", painted "BM 275.7"	275.720

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LOUISBURG  
Book AV 1606

NORTH CAROLINA

NGVD 29  
Elevations

36-078-23  
Richard L. Meador

1971

LINE 6 (Cont'd.)

Feet

1	4	3.34	Mitchiners Crossroads; 150 ft NE. and 17 ft SE. of, and about level with centerline of crossroads; 1 ft W. of E. end; in concrete headwall; standard tablet stamped "3 MEA 1971 374", painted "BM 374.0"	373.949
1	5	4.15	Mitchiners Crossroads, 0.8 mi NE. of, along County Road 1003; 28 ft S. and 10 ft E. of, and 1.9 ft lower than centerline of drive N.; 2.5 ft N. of telephone pole; 0.5 ft N. of metal witness post; in concrete post projecting 0.2 ft above ground; standard tablet stamped "4 MEA 1971 335", painted "BM 334.7"	334.72
1	6	5.07	Mitchiners Crossroads, 1.7 mi NE. of, along County Road 1003; in SE. abutment of bridge over Tar River; standard tablet stamped "5 MEA 1971 224", painted "BM 224.4"	224.381
1	7	5.40	U.E., in centerline of I-rd. NE.; copper nail and washer, painted "CL 242.8"	242.77
1	8	5.92	Mitchiners Crossroads, 2.5 mi NE. of, along County Road 1003; at junction of County Roads 1003 and 1235; 36 ft NE. and 159 ft SE. of, and 9.3 ft lower than I-rd. E.; set 2 ft E. of W. end of concrete headwall on N. side of County Road 1235; standard tablet stamped "6 MEA 1971 239", painted "BM 238.6"	238.602
1	9	6.52	U.E., in centerline of I-rd. W.; copper nail and washer, painted "CL 315.9"	315.84
1	10	7.11	Mitchiners Crossroads; 3.7 mi NE. of, along County Road 1003; 3.0 mi S. of Rocky Ford; in E. end of N. wheelguard; 1 ft W. of E. end of wheelguard; standard tablet stamped "7 MEA 1971 223", painted "BM 223.3"	223.252
1	11	7.73	U.E., in centerline of rd. at rd. S.; copper nail and washer, painted "CL 289.0"	288.98
1	12	8.43	Rocky Ford, 1.7 mi S. of, along County Road 1003; 0.7 mi N. of junction of County Roads 1003 and 1254; 105 ft N. and 88 ft W. of, and 9.1 ft higher than centerline of rd. at short drive W.; 30 ft E. of abandoned house; in top of large embedded rock; standard tablet stamped "8 MEA 1971 364", painted "BM 363.8"	363.709
1	13	9.09	Rocky Ford, 1.1 mi S. of, along County Road 1003; 158 ft S. and 23 ft W. of centerline of rd. at drive E.; 24 ft SE. of power pole; in top of rock outcrop; standard tablet stamped "9 MEA 1971 390", painted "BM 390.4"	390.320
1	14	10.15	Rocky Ford; 29 ft NE. and 115 ft SE. of, and 0.7 ft lower than centerline of crossroads; 2 ft W. of power pole; 0.5 ft W. of metal witness post; in concrete post projecting 0.3 ft above ground; standard tablet stamped "10 MEA 1971 398", painted "BM 397.9"	397.864

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LOUISBURG  
Book AV 1606

NORTH CAROLINA

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Elevations

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Richard L. Meador

1971

LINE 6 (Cont'd.)Feet

1	15	10.84	Rocky Ford, 0.7 mi N. of, along County Road 1003; 40 ft N. and 75 ft E. of, and 1.5 ft higher than centerline of T-rd. E.; 0.5 ft S. of metal witness post; in concrete post projecting 0.4 ft above ground; standard tablet stamped "11 MEA 1971 411", painted "BM 410.8"	410.760
1	16	11.96	Rocky Ford, 1.8 mi N. of, along County Road 1003; 1.9 mi SW. of Epsom; at junction of County Roads 1003 and 1252; 40 ft NW. and 100 ft SW. of, and 1 ft higher than T-rd. W.; 3.0 ft E. of power pole; 0.5 ft E. of metal witness post; in concrete post flush with ground; North Carolina Geodetic Survey traverse station disk stamped "POLE 426 1969", painted "BM 425.6"	425.512
1	17	12.33	Epsom, 1.5 mi SW. of, along County Road 1003; at junction of County Roads 1003 and 1251; 35 ft N. and 38 ft W. of, and 1.6 ft higher than T-rd. E.; 7 ft SW. of pole; 0.5 ft E. of metal witness post; in concrete post projecting 0.4 ft above ground; standard tablet stamped "12 MEA 1971 420", painted "BM 420.0"	419.909
1	18	13.03	Epsom, 0.8 mi SW. of, along County Road 1003; 70 ft NE. and 27 ft NW. of, and 1.3 ft higher than centerline of rd. at drive NW.; 27 ft SW. of power pole; 0.5 ft S. of metal witness post; in concrete post projecting 0.3 ft.; standard tablet stamped "13 MEA 1971 453", painted "BM 453.2"	453.063
1	19	13.82	"EPSOM 1969" (NGS triangulation station) (Described in line 5)	478.123

LINE 7.

Richard L. Meador, 1971; Book AV 1606

1	21	0.00	Louisburg, 3.1 mi SW. of, along Seaboard Airline RR.; at NE. corner of P. H. Thompson yard; 40 ft S. of centerline of State Highway 56; 5 ft higher than hwy.; in concrete post flush with ground; North Carolina Geodetic Survey standard disk stamped "NAC 46 1934"	363.838
1	21	0.27	Louisburg, 1.5 mi W. of junction of State Highway 56 and U. S. Highway 401; at S. edge of town; at junction of State Highway 56 and County Road 1109; 43.7 ft S. of centerline of Highway 56; 30.5 ft W. of centerline of Road 1109; 2.3 ft SW. of witness post; in concrete post; NGS standard azimuth mark disk stamped "KEMP 1969"	354.223

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LOUISBURG  
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NORTH CAROLINA

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Elevations

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Richard L. Meador

1971

LINE 7 (Cont'd.)

Feet

1	22	0.73	Louisburg, 1.5 mi W. of, along State Highway 56 from junction of State Highway 56 and U. S. Highway 401 at S. edge of town, thence 0.4 mi S. along County Road 1109; 30.0 ft E. of centerline of rd.; 118 ft S. of power pole; NGS standard triangulation station disk stamped "KEMP 1969"	371.517
1	22	0.72	Reference mark No. 1; 90.5 ft SSW. of station; 30.3 ft E. of centerline of paved rd. and about 2 ft lower; in concrete post flush with ground; NGS standard reference mark disk stamped "KEMP NO 1 1969"	370.902
1	22	0.71	Reference mark No. 2; 115.9 ft N. of station; 26.0 ft W. of centerline of paved rd.; 2.7 ft SSW. of powerline pole; 2.5 ft NNE. of witness post; in concrete post projecting 0.5 ft above ground; NGS standard reference mark disk stamped "KEMP NO 2 1969"	373.104
1	23	1.69	Louisburg; 1.9 mi SW. of junction of U. S. Highway 401 and State Route 56 at S. edge of town; along U. S. Highway 401; 31 ft NW. and 138 ft SW. of, and 6.0 ft lower than centerline of crossroads; in S. end of concrete headwall on SW. side of U. S. 401; standard tablet stamped "14 MEA 1971 315", painted "BM 315.0"	315.034
1	24	2.51	Louisburg, 2.7 mi SW. of, along U. S. Highway 401 from junction of U. S. Highway 401 and State Route 56 at S. edge of town; in top of SW. wingwall of SW. abutment of bridge over Cedar Creek; standard tablet stamped "15 MEA 1971 237", painted "BM 237.4"	237.420
1	25	3.49	Louisburg, 3.7 mi SW. of, along U. S. Highway 401 from junction of U. S. Highway 401 and State Route 56 at S. edge of town; 164 ft N. and 22 ft W. of, and 3.0 ft lower than centerline of rd. at short woods line E.; in S. end of W. headwall of concrete culvert; standard tablet stamped "16 MEA 1971 292", painted "BM 292.5"	292.527
1	26	4.57	Louisburg, 4.8 mi SW. of, along U. S. Highway 401 from junction of U. S. Highway 401 and State Route 56 at S. edge of Louisburg; 0.9 mi N. of Royal; 0.05 mi N. of American Oil Company service station; 22 ft E. of centerline of hwy.; in N. end of concrete headwall; standard tablet stamped "17 MEA 1971 263", painted "BM 262.8"	262.794
1	27	5.39	Louisburg; 1.25 mi S. of courthouse on Main Street; thence 5.5 mi S. along U. S. Highway 401; 108 ft N. of NW. corner of frame house; 95 ft E. of centerline of U. S. Highway 401; 95 ft NE. of powerline pole; NGS standard triangulation station disk stamped "ROYAL 1969", painted "BM 386.4"	386.441
1	28	5.48	U.E., Royal; 118 ft NW. and 25 ft SW. of, and 3 ft lower than centerline of crossroads; on S. end of concrete culvert; chiseled square, painted "UE 378.3"	378.29



LOUISBURG  
Book AV 1606

NORTH CAROLINA

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Elevations

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Richard L. Meador

1971

LINE 8.Feet

Richard L. Meador, 1971; Book AV 1606

1	47	12.77	Louisburg, 2.0 mi NE. of, along State Highway 561 from junction of U. S. Highway 401 and State Highway 561; 30 ft N. and 1.0 ft lower than centerline of rd. opposite; 80 ft S. of small farm pond; on W. end of concrete headwall; standard tablet stamped "30 MEA 1971 237", painted "BM 237.2"	237.114
1	48	13.73	Louisburg, 1.0 mi NE. of, along State Highway 561 from junction of U. S. Highway 401 and State Highway 561; 2 ft E. of W. end of concrete headwall; 22 ft N. and 42 ft W. of, and 0.7 ft lower than rd. at drive N. to radio station "WYRN"; standard tablet stamped "31 MEA 1971 214", painted "BM 213.5"	213.384
1	49	14.31	Louisburg, 0.4 mi NW. of, along State Highway 561 from junction of U. S. Highway 401 and State Highway 561; at junction of Highway 561 and County Road 1232; 46 ft N. of rd. junction; 1 ft W. of E. end; on concrete headwall; standard tablet stamped "32 MEA 1971 229", painted "BM 228.9"	228.762
1	50	14.74	U.E., in centerline of U. S. Highway 401 and State Route 561; copper nail and washer, painted "CL 236.3"	236.17
1	51	15.29	U.E., in centerline of U. S. Highway 401 and State Highway 56 E.; copper nail and washer, painted "CL 238.0"	237.80
1	52	15.62	Louisburg; 0.9 mi S. of junction of U. S. Highway 401 and State Highway 561; in SW. wingwall of SW. abutment of bridge over Tar River; standard tablet stamped "33 MEA 1971 216", painted "BM 215.6" <i>DEST 2/86</i> <i>BRIDGE REPAIRED IN 1973</i>	215.470
1	53	16.25	U.E., in centerline of U. S. Highway 401 and State Highway 39 S.; copper nail and washer, painted "BM 225.9"	225.72
1	54	16.92	Louisburg, 2.2 mi SW. of, along U. S. Highway 401 from junction of Highway 401 and State Highway 561; at junction of Highway 56 and Highway 401 N.; 28 ft N. and 50 ft W. of, and 0.7 ft lower than I-rd. NW.; in concrete headwall; standard tablet stamped "34 MEA 1971 302", painted "BM 301.5"	301.366
1	55	17.72	Louisburg, 3.0 mi S. of, along U. S. Highway 401 from junction of Highway 401 and State Highway 561; 50 ft NW. and 45 ft SW. of, and 4.7 ft lower than centerline of rd. at drive E. to large white house; 2 ft NE. of power pole; 0.5 ft E. of metal witness post; in concrete post projecting 0.1 ft above ground; standard tablet stamped "35 MEA 1971 300", painted "BM 300.2"	300.005

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LOUISBURG  
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NORTH CAROLINA

36-078-23  
Richard L. Meador

1971

LINE 8 (Cont'd.)

Feet

1 56 18.65 "14 MEA 1971 315" (Described in line 7)

NGVD 29  
Elevations

315.034

LINE 9.

Richard L. Meador, 1971; Book AV 1606

1	67	7.70	Louisburg, 0.6 mi E. of, along State Highway 56 from junction of U. S. Highway 401 and State Highway 56, thence 2.7 mi SE. along County Road 1600; at junction of County Roads 1600 and 1601; 56 ft SE. and 36 ft NE. of, and about level with T-rd. S.; 0.5 ft S. of metal witness post; in concrete post projecting 0.1 ft above ground; standard tablet stamped "42 MEA 1971 272", painted "BM 271.9"	271.908
1	68	8.16	U.E., in centerline of bridge; copper nail and washer, painted "CL 197.6"	197.62
1	70	9.39	Louisburg, 0.6 mi E. of, along State Highway 56 from junction of U. S. Highway 401 and State Highway 56, thence 1.0 mi SE. along County Road 1600; 100 ft N. and 32 ft E. of, and 2.5 ft lower than centerline of bridge; 5.4 ft E. of power pole; a field corner; 0.5 ft W. of metal witness post; in concrete post projecting 0.2 ft above ground; standard tablet stamped "43 MEA 1971 197", painted "BM 196.5"	196.548
1	71	10.35	Louisburg, 0.6 mi E. of, along State Highway 56 from junction of U. S. Highway 401 and Highway 56, thence 0.1 mi SE. of, along County Road 1600; 73 ft S. and 62 ft W. of, and 1.5 ft lower than centerline of rd. at drive S.; 0.5 ft E. of metal witness post; in concrete post projecting 0.4 ft above ground; standard tablet stamped "44 MEA 1971 210", painted "BM 209.8" <i>GOOD 2/86</i>	209.837
1	72	11.04	"U.E., copper nail and washer" (Described in line 8)	237.80