

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

36-078-43
SOUTH BOSTON QUADRANGLE
13 VA. 265 N.C.
N3630-W7845/15
DIAGRAM NJ 17-12
GREENSBORO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

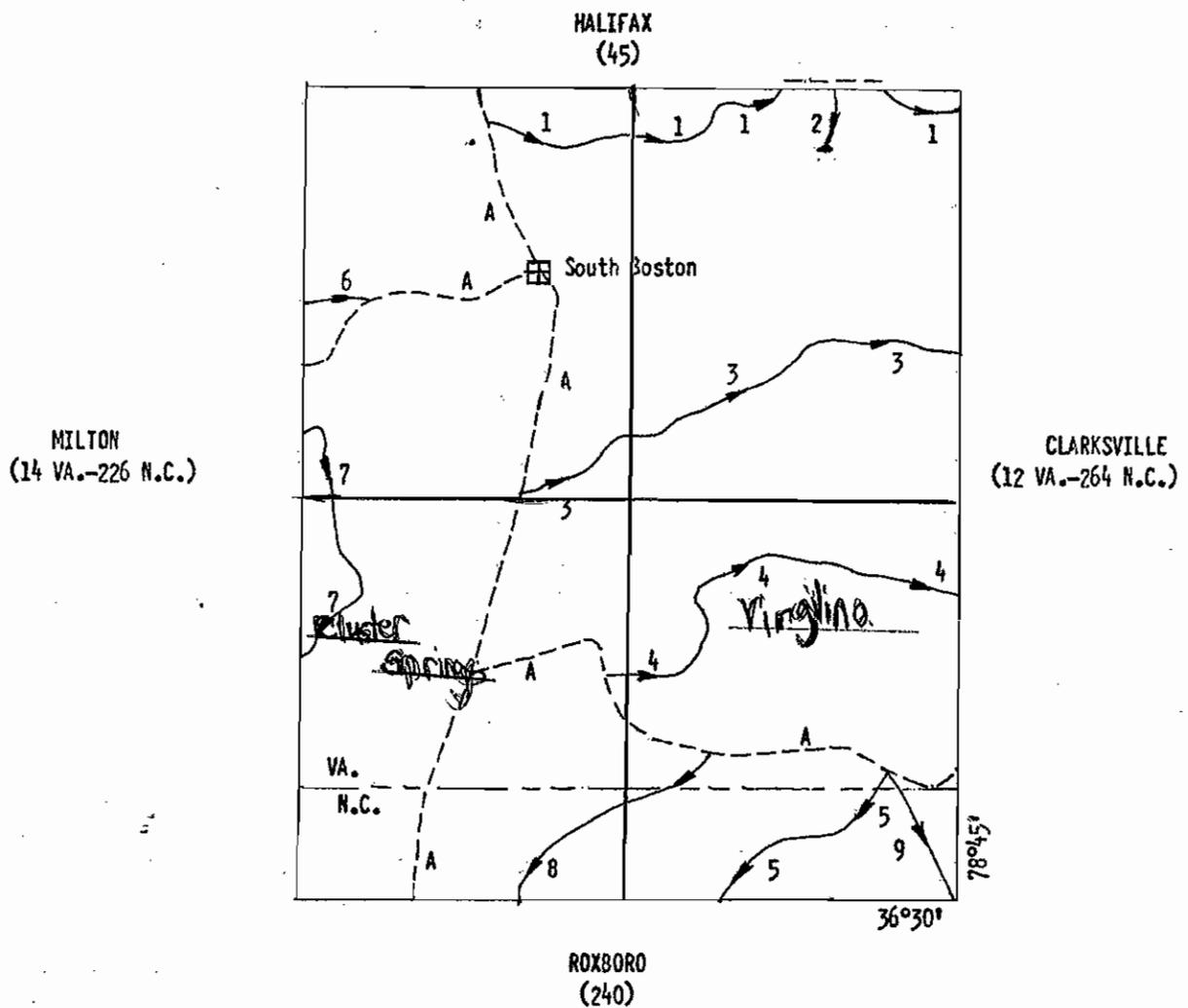
Halifax County, Va.; Granville
and Person Counties, N.C.

Final adjustment of 1975

Edition of 11/28/77

PR: WSM/rmc

NGVD 29
Elevations



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360784

* Tied to Isolated Bench Mark

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SOUTH BOSTON QUADRANGLE

13 VA.-265 N.C.

36-078-43

3

ISOLATED BENCH MARKS (By J. M. Harris, 1908; Book A 7540)

Feet

Virgilina, 2.7 mi W. of, in top of S. headwall of RR. arch culvert over Little Bluewing Creek; standard tablet stamped "410" (Tied by NGS, 1935)	410.728
Mayo, 300 ft E. of station, in top of E. headwall of concrete railway culvert; standard tablet stamped "346" (Tied by NGS, 1935)	346.029
Mayo, 1.9 mi W. of, in SW. corner of E. abutment of railway bridge over Hyco Creek; standard tablet stamped "336" (Tied by NGS, 1935)	336.013
Denniston, 50 ft N. of Norfolk and Western Railway station; in top of E. headwall of small concrete culvert; standard tablet stamped "409" (Tied by NGS, 1935)	410.019
Cluster, 300 ft W. of station, in front brick wall of Traynham Brothers store; standard tablet stamped "499" (Reported destroyed, 1951)	499.939
Cluster Springs, 3.5 mi N. of, 5 ft E. of track; in top of headwall of small concrete railway culvert; standard tablet stamped "339"	339.652
South Boston, in NE. corner of N. abutment pier at Norfolk and Western Railway bridge over Dan River; standard tablet stamped "331"	331.210
South Boston, 3.4 mi N. of, 15 ft E. of track; in top of E. headwall of small stone railway culvert; standard tablet stamped "447" (Not found, 1951)	447.331
Houston, 0.7 mi N. of, 20 ft W. of track; in top of W. headwall of small railway culvert; standard tablet stamped "381" (Not found, 1935) 242	380.980
Wolftrap, 1.8 mi S. of, 800 ft S. of milepost 34, in top of SE. corner of E. headwall of stone railway culvert; standard tablet stamped "318" (Not found, 1951) 240	318.351
Scottsburg, 1.7 mi S. of, 10 ft W. of track of Southern Railway; 300 ft N. of whistle post; in top of W. headwall of small concrete railway culvert; standard tablet stamped "331" 241	331.611

LINE 1.

By E. O. Miner, 1950; Book AV 204

"X 71 1935" (NGS) (Not Found, 1967)

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485.137

Halifax, 2.5 mi S., thence 1.6 mi E. of, in W. corner of yard of Dan River Baptist Church; 105 ft SE. of Y-junction of State Highways 727 and 729; 62 ft S. of center of rd.; in concrete post; standard tablet stamped "1 EQM 1950 519"

518.497

Reference mark; 186 ft E. of tablet; on NW. corner of lowest step at front of church; chiseled square

523.66

LINE 1 (Cont'd)Feet

Dan River, 2.0 mi E. of Baptist Church, 54 ft NE. of, and 2 ft higher than Y-junction of State Highway 729 and drive N.; 40 ft N. of center of rd.; in concrete post; standard tablet stamped "2 EQM 1950 432"	432.033
Reference mark; 510 ft E. of tablet; 33 ft NW. of private rd. crossing; in E. base of 3 ft oak tree; rail spike	432.29
Scottsburg, 3.2 mi W. of, 480 ft N. of NE. end of concrete bridge; 173 ft NW. of, and 3 ft lower than crossing of State Highways 304 and 613; 34 ft SW. of center of rd.; in concrete post; standard tablet stamped "3 EQM 1950 327" (Not found, 1967)	326.477
Reference mark; 480 ft S. of tablet; on NE. abutment of Terry Bridge over Banister River; chiseled square	332.61

[Jogs into Nathalie quadrangle]

Scottsburg, 1.5 mi SE. of, along State Highway 725; 25 ft N. and 31 ft E. of junction of State Highways 725 and 726; 26 ft N. of center of main rd.; in concrete post; standard tablet stamped "T 24 1936 453"	453.656
Reference mark; 500 ft E. of tablet; along State Highway 725; 16 ft W. and 25 ft S. of junction of forks of rd. SE.; in root of 20 in. oak tree; copper nail and washer	475.03

LINE 2.

By E. O. Miner, 1950; Book AV 204	
"331" (Described in isolated bench marks)	331.611

LINE 3.NGVD 29
Elevations

By E. O. Miner, 1950; Book AV 204	
"W 52 1934" (NGS)	494.235
Cluster Springs, 0.7 mi NE. of, 40 ft N. and 68 ft E. of crossing of State Highways 658 and U. S. Highway 501, in concrete post; standard tablet stamped "T 45 T 1936 489" (Reported destroyed, 1954)	488.662
Reference mark; 93 ft SW. of tablet; on SW. corner of concrete base of gasoline pump; chiseled square	489.39
Cluster Springs, 2.3 mi NE. of; 160 ft W. of Y-junction of State Highway 658 and rd. NW.; 41 ft SW. of W. corner of Cherry Hill Church; 2 ft SW. of electric pole; in concrete post; standard tablet stamped "4 EQM 1950 504"	503.457

LINE 3 (Cont'd)Feet

Reference mark; 89 ft E. of tablet; on E. end of lowest step at E. door of church; chiseled square	503.55
Omega, 4.1 mi SW. of, at Maple Grove School; 240 ft E. of Y-junction of State Highway 258 and 744; 30 ft NW. of center of rd.; 2 ft N. of electric pole; in concrete post; standard tablet stamped "5 EOM 1950 448"	448.101
Reference mark; 59 ft N. of tablet; on NW. end of lowest concrete step at front of school; chiseled square	447.44
Omega, 2.0 mi SW. of Mt. Canna Church, 2.1 mi NE. of Maple Grove School; 220 ft W. of Y-junction of State Highway 658 and graveled rd. SE.; 19 ft S. of center of rd.; in concrete post; standard tablet stamped "TI 44 T 1936 477"	476.649
Reference mark; 190 ft E. of tablet; 30 ft SW. of Y-rd., in root on NW. side of 1 ft hickory tree; USED washer stamped "LD 51"	479.22
U.E., Omega, 0.9 mi SW. of; 170 ft SW. of Y-junction of State Highways 658 and 738; on W. church step; chiseled square	463.31
Omega, 27 ft S. and 116 ft W. of junction of State Highway 658 SW. and U. S. Highway 58; 3 ft S. and 10 ft E. of NE. corner of Mt. Canna Methodist Church; in concrete post; standard tablet stamped "TI 37 T 1936 468"	467.969
Reference mark; 216 ft NE. of tablet; on SW. corner of concrete cover of well; chiseled square	471.68
Omega, 2.3 mi E. of; 204 ft W. of crossing of U. S. Highway 58 and N.-S. rd.; 58 ft S. of center of hwy.; 2 ft S. of electric pole; in concrete post; standard tablet stamped "6 EOM 1950 374"	373.385
Reference mark; 159 ft N. of tablet; on E. end of concrete base of gasoline pump; chiseled square	374.26
U.E., Omega, 3.1 mi E. of, at U. S. Highway 58 bridge over Hyco River; 6 ft lower than roadbed; on S. end of middle concrete pier; chiseled square	312.54

LINE 4.NGVD 29
Elevations

By E. O. Miner, 1950; Book AV 204

"R 52 1934" (NGS)	346.013
* Mayo, 1.9 mi E. of RR. crossing; 40 ft E. of S. corner of triangle formed at Y-junction of State Highway 96 and State Highway 744; 2 ft S. of telephone pole; in concrete post; standard tablet stamped "7 EOM 1950 550"	549.513
Reference mark; 160 ft S. of tablet; on N. end of concrete foundation of gasoline pump; chiseled square	548.97

LINE 4 (Cont'd)

Feet

U.E., Mayo, 1.9 mi E. of, thence 1.8 mi N., on SW. concrete culvert; chiseled square	492.12
Mayo, 1.9 mi E. of thence 2.7 mi N., at Shady Grove Church; 132 ft E. of, and 7 ft higher than crossing of State Highways 602 and 744; 57 ft S. of pump; in concrete post; standard tablet stamped "TT 42 T 1936 492"	491.964
Reference mark; 139 ft SE. of tablet; on N. end of lowest step of church; chiseled square	486.32
Shady Grove Church; 3.0 mi E. of; at Lowry's Store; 40 ft N. and 9 ft W. of crossing of State Highways 602 and 738; in concrete post; standard tablet stamped "TT 41 T 1936 430"	430.262
Reference mark; 52 ft SW. of tablet; on N. end of concrete base of gasoline pump; chiseled square	427.72
Virgilina, 4.0 mi N. of; 2.5 mi E. of Lowry's Store; at Redbank; 70 ft SE. of, and 4 ft lower than crossing of State Highways 602 and 734; 41 ft E. of center of rd.; 2 ft E. of guy wire; in concrete post; standard tablet stamped "8 EOM 1950 531"	530.408
Reference mark; 84 ft N. of tablet; on S. end of lowest concrete step; chiseled square	535.21

LINE 5.

By E. O. Miner, 1950; Book AV 204

"N 52 1934" (NGS)

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Virgilina, 1.0 mi SW. of; 27 ft E. of center of old rd.; 35 ft W. of center of State Highway 49; in concrete post; NGS triangulation disk stamped "VIRGILINA 1933"	523.480
Virgilina, 1.8 mi SW. of, along State Highway 49; 169 ft W. of and 10 ft lower than Y-junction of State Highway 49 and rd. S.; 37 ft NW. of center of hwy.; 2 ft E. of electric pole; in concrete post; standard tablet stamped "1 EOM 1950 534" <u>1244</u>	572.214
Reference mark; 180 ft E. of tablet; in concrete post; HSED disk stamped "2 B 4 1943" <u>1254</u>	534.316
U.E., Virgilina, 3.4 mi SW. of, along State Highway 49; at bridge over Blue Wing Creek; on center of NE. headwall; chiseled square	543.492
Virgilina, 3.8 mi SW. of, along State Highway 49; 47 ft SW. of, and 5 ft lower than Y-junction with rd. N.; 36 ft S. of center of hwy.; 3 ft SW. of electric pole; in concrete post; standard tablet stamped "2 EOM 1950 483" <u>1246</u>	441.40
Reference mark; 79 ft NW. of tablet; on top of 2- by 2- by 8-ft boulder; chiseled square	483.446
Virgilina, 5.4 mi SW. of; 50 ft SE. of and 7 ft lower than Y-junction of N.C. State Highway 49 and rd. N.; 16 ft W. of fence; in concrete post; standard tablet stamped "3 EOM 1950 518" <u>1247</u>	489.49
	517.871

LINE 5 (Cont'd)Feet

Reference mark; 96 ft NE. of tablet; on E. end of concrete headwall of culvert; chiseled square

519.94

LINE 6.

By E. O. Miner, 1950; Book AV 204

South Boston, 7.6 mi W. of, along State Highway 699, at E. end of long tangent; 55 ft S. and 12 ft E. of fork of rd. SE.; at W. end of triangle; 58 ft N. and 33 ft W. of NW. corner of 2-story house owned by J. E. Hankin; in NW. corner of front yard; in concrete post; standard tablet stamped "TT 22 T 1936 449"

448.947

Reference mark; 116 ft E. of tablet; on root on SW. side of 3 ft oak tree; rail spike

446.88

"B 53 1934" (NGS)

335.724

LINE 7.

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Elevations

By E. O. Miner, 1950; Book AV 204

Turbeville, 3.1 mi NE. of; 6.6 mi N. of Alton; 98 ft SW. of Y-junction of U. S. Highway 58 and State Highway 708; 39 ft SE. of center of hwy.; 2 ft E. of telephone pole; in concrete post; standard tablet stamped "25 EOM 1950 453"

453.348

Cedar Grove, 0.2 mi S. of Methodist Church; 3.8 mi N. of Alton; 59 ft N. of Y-junction of State Highways 708 and 709; 40 ft NE. of center of rd.; 2 ft NW. of electric pole; in concrete post; standard tablet stamped "6 EOM 1950 533"

533.088

Reference mark; 1140 ft N. of tablet; on S. end of lowest step of church; chiseled square

541.18

Alton, 2.6 mi N. of; 0.2 mi NW. of Y-junction of State Highways 708 and 658; 28 ft E. of center of rd.; 22 ft N. of NW. corner of woods; in concrete post; NGS triangulation disk stamped "CRAWLEY 1933"

569.215

Alton, 2.4 mi N. of; 300 ft NE. of Y-junction of State Highways 708 and 658; 15 ft W. of and 4 ft higher than rd.; in concrete post; NGS reference disk stamped "CRAWLEY NO 1 1933"

552.640

LINE 8.

By R. L. Meador, 1967; Book AV 1484

1 39 0.00 "Q 52 1934" (NGS)

477.309

1 39 1.05 Christie, 0.2 mi NW. of, thence 0.8 mi S.; 143 ft N. and 25 ft W. of, and 1.0 ft higher than centerline of rd. at junction of T-rd. E.; 1 ft S. of pole; in concrete post projecting 0.3 ft above ground; standard tablet stamped "67 MEA 1967 506"

505.797

1248

LINE 8 (Cont'd)

			<u>Feet</u>
1 41	2.31	Christie, 0.2 mi NW. of, thence 1.4 mi SW., thence 0.7 mi W. of Calvary Church; 81 ft N. of old rd.; 40 ft S. of new rd.; 3 ft NE. of pole; 0.5 ft N. of metal witness post; in concrete post projecting 0.2 ft above ground; standard tablet stamped "68 MEA 1967 446" DESTROYED 1978	446.451
1 43	36.63	Christie, 0.2 mi NW. of, thence 1.4 mi SW., thence 2.0 mi W.; 2.0 mi W. of Calvary Church; 50 ft NE. and 28 ft SE. of, and 2.0 ft lower than centerline of rd. at junction of drive N.; 1 ft NW. of pole; in concrete post projecting 0.3 ft above ground; standard tablet stamped "69 MEA 1967 534" DESTROYED 1978 1249	535.481
1 44	4.44	Calvary Church, 2.7 mi W. of, thence 0.1 mi N.; 138 ft N. and 42 ft W. of, and level with centerline of rd. at junction of drive NW.; 1 ft S. of pole; in concrete post projecting 0.3 ft above ground; standard tablet stamped "70 MEA 1967 571" 1251	571.572
1 45	5.39	Bethel Hill Church, 0.1 mi W. of; 113 ft N. and 63 ft E. of, and 3.5 ft higher than centerline of crossroads; 2 ft W. of power pole; in concrete post projecting 0.3 ft above ground; standard tablet stamped "71 MEA 1967 597" 1252	597.234

LINE 9.

By R. L. Meador, 1977; Book AV 1724

1 2	0.00	Virgilina; about 450 ft E. of Southern Railway Station; about 45 ft S. of centerline of State Highway 49 and about 2 ft above sidewalk; set vertically in middle brick column at N. face of Citizens Bank building; standard tablet stamped "533.818" (Tied by NGS, 1935) 1243	533.647
1 2	1.12	U.E., in centerline of rd. at drain crossing; nail and washer	466.58
1 4	2.25	Virgilina, 2.3 mi SE. of, along State Highway 96 from post office; at junction of State Highway 96 and County Road 1332; 65 ft N. and 24 ft E., and 1.0 ft lower than centerline of rd. NW.; 1 ft N. of metal witness post; in concrete post projecting 1 in.; standard tablet stamped "1 MEA 1977 473" 1253	473.357
1 5	3.21	U.E., in centerline of bridge; nail and cap	425.36

WL = 407 ft

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