

S.C. 136 - N.C. 52
 CATAWBA QUADRANGLE
 WITH OVEREDGE

NGVD 29
 Elevations

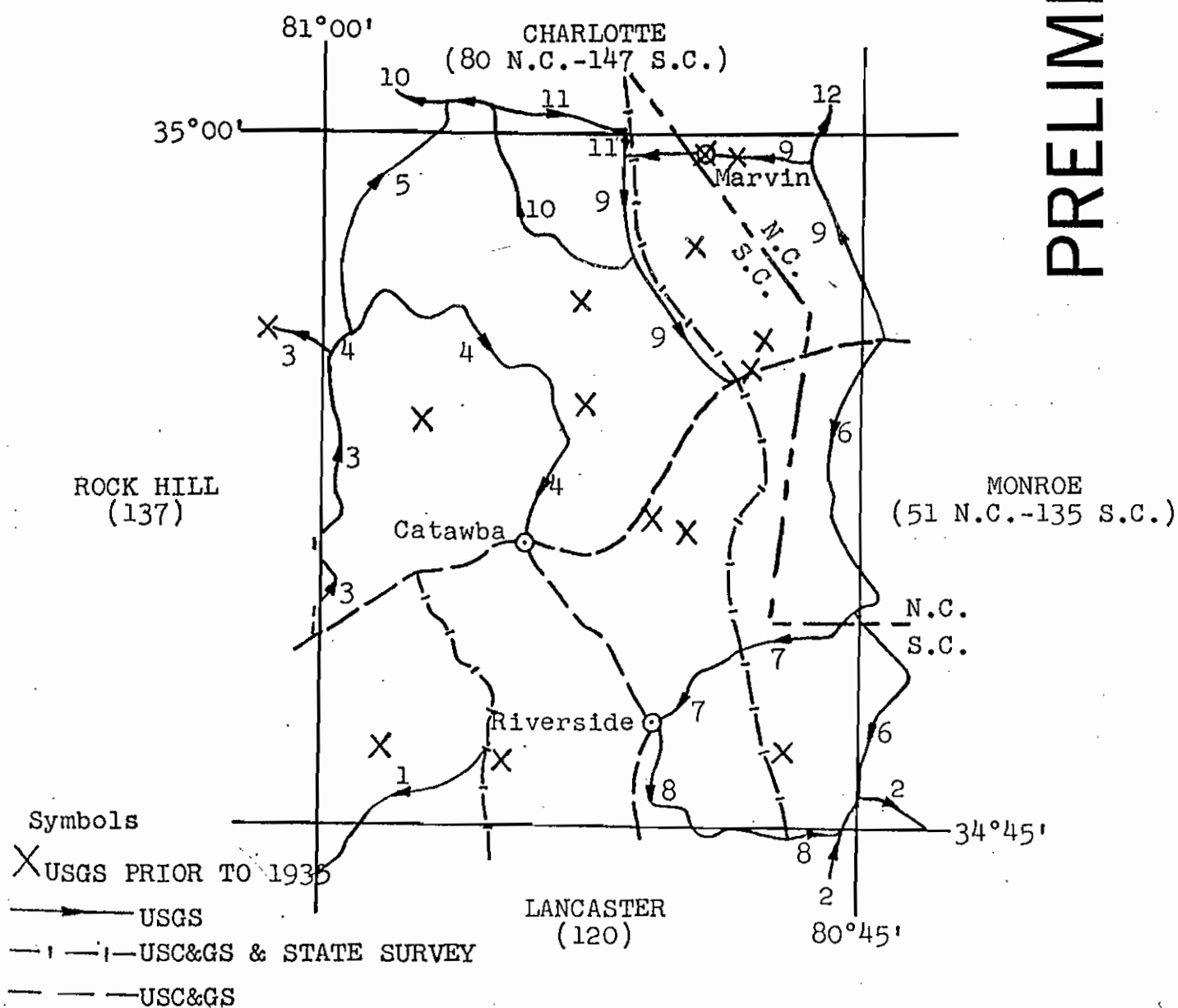
N3445-W8045/15
 S.C.-N.C.

UNITED STATES DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 THIRD-ORDER LEVELING
 UNADJUSTED FIELD ELEVATIONS
 SEA LEVEL DATUM OF 1929

Edition of 9/4/68

Counties: Chester, Lancaster, York, South Carolina;
 Union, North Carolina

PRELIMINARY



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ISOLATED BENCH MARKS ESTABLISHED PRIOR TO 1935 (By W. B. Sykes, 1934; Book B 6065)

Riverside, 1.0 mi N. of; 900 ft E. of Southern Railway;

115 ft NW. of intersection of NE.-SW. rd. to Landsfords old mill and Riverside-Catawba rd.; 10 ft S. of deserted old store; in concrete post; standard tablet stamped

"SY 8 1934" (Reported not found, 1968)

603.564

Landsford; at Seaboard Air Line Railway station; 2.8 mi

NW. of Jordans store; 154 ft N. and 51 ft E. of hwy.; 75 ft W. of 30-in. white oak tree; 11 ft N. of 12-in. white oak tree; 16 ft S. of 18-in. white oak tree; in concrete post flush with ground; standard tablet stamped

"TT 1 DS 1933", painted "BM 591.3"

591.316

Landsford, 2.9 mi W. of; 2.6 mi E. of Lando; 150 ft NW.

of centerline of Lando-Landsford rd. at junction of rd. N. to Harmony Church; near junction of rd.

S. to Richburg; about 500 ft W. of dwelling of Arthur Westbrook; 18 ft N. of centerline of Lando Road; 16 ft W. of centerline of rd. to Harmony Church; in concrete post; standard tablet stamped "TT 2 DS 1933" (Not found, 1968)

583.536

Richburg, 0.8 mi N. of; in yard of Union Associated

Reformed Presbyterian Church; 350 ft W. of centerline of State Highway 9; 38 ft E. of N. corner of church; 37 ft E. and 46 ft N. of SE. corner of church; 78 ft N. and 11 ft W. of 36-in. oak tree; in concrete

post; standard tablet stamped "TT 4 DS 1933"

601.457

(Reported not found, 1968)

1934

Van Wyck, 3.2 mi N. of; 45 ft W. of centerline of rd.
to Six Mile Church; 25 ft SE. of SE. corner of
Macedonia Church; in concrete post; standard tablet
stamped "SY 9 1934" (DISTURBED, 1965) 597.377

Six Mile Church; 500 ft SW. of; 190 ft SE. of intersection
of U. S. Highway 521 (Lancaster-Charlotte rd.) and Van
Wyck Road; 50 ft NE. of centerline of hwy. at junction
of field rd. SE.; on property of church; in concrete
post; standard tablet stamped "SY 10 1934 604" 603.379

Lancaster, 13.0 mi N. of; 55 ft E. of Steel Hill Church;
on church property; 428 ft NW. of Nivens store; 1 ft E. of concrete
walk; 16.1 ft E. of S. corner of church steps; in concrete post
flush with ground; standard tablet stamped "SY 11 1934 RESET 1975"
(Unchecked elevation) 696.456

Lancaster, 10.0 mi N. of; 1.6 mi S. of Jackson Grove
Church; 0.6 mi N. of concrete bridge over Waxhaw Creek;
0.4 mi N. of intersection of U. S. Highway 521
(Lancaster-Charlotte rd.) and old rd.; at monument
marking birthplace of Andrew Jackson; standard tablet
stamped "SY 14 1934" (DISTURBED, 1965) 581.281

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Elevations

Lancaster Courthouse, 4.1 mi N. of, along U. S. Highway 521;
82 ft SW. of, and 3 ft higher than junction of hwy. and
county rd. S-28; 44 ft SE. of centerline of country rd.
S-28; in concrete post projecting 4-in.; standard tablet
stamped "TT 11 DS 1934 RESET 1971" 557.574

Van Wyck, 2.4 mi E. of; 50 ft SW. of intersection of
U. S. Highway 521 and Van Wyck-Beulah Church rd.; in
concrete post; standard tablet stamped "TT 12 DS 1934"
(Reported not found, 1968) 604.553

1934

- Van Wyck School; 30 ft E. of SE. corner of; 90 ft N. of centerline of rd.; in concrete post; standard tablet stamped "TT 13 DS 1934" (Reported not found, 1968) 576.379
- Macedonia Church, 2.4 mi NW. of; 0.4 mi W. of Catawba River; on Indian reservation; in W. butress of concrete steps of Mormon (Latter Day Saints) Chapel; standard tablet stamped "TT 14 DS 1934" 536.041
- Catawba, 0.8 mi N. of; on property of Simpson estate; 50 ft SW. of intersection of Catawba-Friendship rd. and Rock Hill-Van Wyck rd.; in concrete post; standard tablet stamped "TT 15 DS 1934" 615.941
- Hancock, about 1.0 mi NE. of station; 3.5 mi SW. of Waxhaw; 0.5 mi NE. of centerline of U. S. Highway 521 (Lancaster-Charlotte rd.) at junction of paved rd. to Waxhaw; 400 ft S. of Seaboard Air Line Railway track; at concrete bridge over Delaney Creek; in W. end of N. curb rail; standard tablet stamped "TT 16 DS 1934" / 490.003
(Reset 1972)
348
- Pleasant Valley, about 2.5 mi SE. of; 2.8 mi S. of Marvin; 5.0 mi N. of Hancock station; 1.5 mi NE. of Belair; 100 ft NW. of El Bethel School; 75 ft SE. of intersection of Marvin-Waxhaw rd. and E.-W. county rd.; in concrete post; standard tablet stamped "TT 17 DS 1934" 612.966
- "TT 21 DS 1934" (Destroyed, 1965) 621.673

1934

- Massey School, 3.0 mi SE. of; 3.8 mi NW. of Mormon Chapel;
4.5 mi NE. of Lesslie; 25 ft N. and 36 ft E.
of NE. corner of farmhouse of W. H. Hoke; in yard; 12 ft
W. of driveway; in concrete post; standard tablet
stamped "TT 22 DS 1934" 610.546
- Rock Hill, 3.6 mi SE. of; 50 ft W. of Black Jack Road;
15 ft N. and 23 ft E. of NE. corner of
farmhouse; in yard; in rock outcrop; standard tablet
stamped "TT 26 DS 1934" 579.116
- Lesslie; 200 ft E. of Southern Railway station; at NW.
corner of Hemphill-Hayes store; in concrete post;
standard tablet stamped "TT 36 DS 1934" 701.122
- Osceola, 0.4 mi E. of, along U. S. Highway 521, thence
0.8 mi S. to church on left; on top of hill; about 100
ft NE of NE. corner of church; in concrete post; USC&GS
standard triangulation station disk stamped
"RICHARDSON 1934" 606.354
- Reference mark No. 2; 343 ft from station; on N. side
of pointed top; 18 ft E. of centerline of rd.; in
front of store of J. H. Thompson; in top of state
line monument; USC&GS standard reference mark disk
stamped "RICHARDSON NO 2 1934" 591.708
- Marvin; 90 ft N. of centerline of Marvin-Pleasant Hill
rd.; 40 ft S. of S. side of Presbyterian Church; in
concrete post; standard tablet stamped "TT 18 DS 1934" 685.235

NGVD 29
Elevations

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CATAWBA
Book B 6065 6/7/65 kas

S.C.-N.C.

W. B. Sykes

1934

Marvin; 75 ft N. of centerline of Marvin-Pleasant Valley rd.; 10 ft S. of Marvin Methodist Episcopal Church; on iron post; standard cap stamped "697 ADJ 1903" 696.276

Rock Hill; at post office; in concrete retaining wall of pit of westernmost front basement vent; standard tablet stamped "TT 27 DS 1934" 677.576

LINE 1.

FROM LANDSFORD ALONG ROADS SOUTHWEST INTO LANCASTER QUADRANGLE (By B. R. Parker, 1964; Book AV 1311 c)

"TT 1 DS 1933" (Described in isolated bench marks) 591.315

This Elev.	591.315
Prev. Elev.	<u>591.316</u>
Closure	-.001

U.E., 16 ft S. of, and 1.0 ft lower than centerline of rd.; on center of S. concrete entrance of cattle tunnel; chiseled square, painted "UE 571.1" 571.140

U.E., in centerline of rd. at junction of field rd. S.; copper nail and washer, painted "CL 552.1" 552.123

U.E., in centerline of rd. at junction of graded rd. SW.; copper nail and washer, painted "CL 519.0" 518.967

Reference mark; 20 ft S. of tablet; E. end of S. concrete rail of concrete bridge 442.314

1964

NGVD 29
ElevationsLINE 1 (Cont'd.)

Landsford, 1.9 mi W. of, along County Road 223; 2.7 mi E. of bridge over Fishing Creek; 10 ft N. of, and 1.0 ft higher than centerline of rd. at E. end of concrete bridge over Tinker Creek; in E. end of N. concrete rail; standard tablet stamped "20 BRP 1964 442", painted "BM 442.3" 442.344

U.E., in centerline of rd. at junction of farm rd. SE.; copper nail and washer, painted "CL 524.3" 524.328

U.E., in centerline of rd. at junction of T-rd. N.; copper nail and washer, painted "CL 564.1" 564.117

U.E., in centerline of rd. at junction of drive N.; copper nail and washer, painted "CL 540.3" 540.261

U.E., in centerline of rd. at junction of T-rd. E.; copper nail and washer, painted "CL 500.9" 500.928

Reference mark; 25 ft S. of tablet; W. end of S. concrete rail of concrete bridge 441.552

Richburg, 0.4 mi N. of, along State Highway 9, thence 2.2 mi E. along County Road 223; 12 ft N. of, and 1.0 ft higher than centerline of rd. at W. end of concrete bridge over Fishing Creek; in W. end of N. concrete rail; standard tablet stamped "21 BRP 1964 442", painted "BM 441.6" 441.585

NGVD 29
Elevations

LINE 2.

FROM POINT IN LANCASTER QUADRANGLE ALONG ROADS NORTHEAST AND EAST INTO
MONROE QUADRANGLE (By W. D. Kelly, 1964; Book AV 1311 a)

"LANCASTER NO 1 1934" (USC&GS) 546.761

U.E., 30 ft E. of, and 1.0 ft higher than centerline of
rd. at sidewalk E.; on bottom concrete step; chiseled
square, painted "UE 457.5" MEAN 457.524

U.E., 15 ft S. and 122 ft W. of, and 3.0 ft lower than
centerline of rd. at junction of T-rd. N.; on S. end
of concrete culvert; chiseled square, painted "UE 461.7" MEAN 461.655

U.E., in centerline of rd. at junction of Y-rd.; copper
nail and washer, painted "CL 525.0" MEAN 524.991

Reference mark; 60 ft S. of tablet; on S. end of concrete
culvert; chiseled square MEAN 544.809

Lancaster, 2.0 mi N. of, along State Highway 200; 30 ft
N. and 30 ft W. of, and level with centerline of rd. at
junction of T-rd. W.; in concrete catch basin; standard
tablet stamped "5 WDK 1964 547", painted "BM 547.5" MEAN 547.491

U.E., in centerline of rd. at junction of Y-rd. E.;
copper nail and washer, painted "CL 572.5" (Erroneously
painted) MEAN 588.477

U.E., 18 ft S. and 15 ft W. of, and 1.0 ft lower than
centerline of rd. at junction of private drive SE.;
on W. end of concrete pipe; chiseled square, painted
"UE 582.4" MEAN 582.435

LINE 2 (Cont'd.)

U.E., 18 ft N. and 10 ft W. of, and 1.0 ft lower than centerline of rd. at junction of drive N.; on W. end of concrete pipe; chiseled square, painted "UE 469.2" (Erroneously painted)

NGVD 29
Elevations

MEAN
569.202

Reference mark; 240 ft S. of tablet; 85 ft S. of, and 3.0 ft higher than centerline of rd.; in root of 24-in. oak tree; copper nail and washer

MEAN
551.153

Lancaster, 2.6 mi N. of, along State Highway 200, thence 1.5 mi E. along state rd.; 120 ft N. of, and 1.0 ft lower than centerline of rd.; in SE. corner of concrete well base; standard tablet stamped "6 WDK 1964 547", painted "BM 547.1"

MEAN
547.077

LINE 3.

FROM EDGEMOOR ALONG ROADS NORTH AND NORTHWEST TO ROCK HILL (By E. G. Bates, 1965; Book AV 1391 a)

CHECK LINE

1	3	0.00	"A 13 1933" (USC&GS)	567.606
			This Elev.	567.606
			USC&GS Elev.	567.607
			Closure	<u>-0.001</u>
1	3	0.61	U.E., in centerline of rd. at junction of private rd. W.; copper nail and washer, painted "CL 611.1"	611.088
1	4	1.45	"Z 5 1933" (USC&GS)	616.551
			This Elev.	616.551
			USC&GS Elev.	616.498
			Closure	<u>+0.053</u>

END OF CHECK LINE

1965

NGVD 29
ElevationsLINE 3 (Cont'd.)

1	5	1.45	"Z 5 1933" (USC&GS)		616.497
			This Elev.	616.497	
			USC&GS Elev.	616.498	
			Closure	-.001	
1	5	2.02	U.E., 12 ft N. and 20 ft W. of, and level with centerline of rd. at junction of Y-rd. NW.; on N. end of concrete pipe under Y-rd.; chiseled square, painted "UE 642.7"		642.672
1	6	2.57	U.E., 168 ft S. and 36 ft E. of, and 2.0 ft higher than centerline of crossroads (State Highway 901 and County Road 162); on top of S. end of old concrete gas pump base; chiseled square, painted "UE 675.0"		675.015
1	7	3.19	U.E., 23 ft E. of, and 3.0 ft lower than centerline of rd.; in dip opposite S. edge of pine stand; on E. concrete headwall of culvert; chiseled square, painted "UE 641.4"		641.448
1	8	4.01	Edgemoor, 4.0 mi N. of, along State Highway 901 to intersection of County Road 716; 45 ft NW. and 76 ft NE. of, and 0.3 ft lower than centerline of crossroads; 8 ft W. of 12-in. pine tree; in concrete post; standard tablet stamped "1 EGB 1965 656", painted "BM 655.6"		655.605

1965

LINE 3 (Cont'd.)

- 1 9 4.67 U.E., 19 ft S. of, and level with centerline of rd. at junction of Y-rd. NW.; on W. end of concrete pipe culvert under driveway S.; chiseled square, painted "UE 664.7" 664.704
- 1 10 5.19 U.E., centerline of crossroads (County Roads 716 and 245), painted "CL 647.5" 647.460
- 1 11 5.78 U.E., 11 ft N. and 19 ft W. of, and 0.5 ft lower than centerline of rd. at junction of private drive W.; on N. end of concrete pipe culvert; chiseled square, painted "UE 609.6" 609.615
- 1 12 6.15 Edgemoor, 4.0 mi N. of, along State Highway 901, thence 1.1 mi E. along County Road 716, thence 1.0 mi N. along County Road 245; 4.9 mi S. of Rock Hill Post Office at intersection of County Roads 245 and 714; 52 ft N. and 55 ft W. of, and 1.3 ft higher than centerline of rd. at junction of T-rd.; in top of concrete post; standard tablet stamped "2 EGB 1965 590", painted "BM 590.3" (Not found, 1968) 590.283
- 1 13 6.69 U.E., 15 ft E. of, and 1.5 ft lower than centerline of rd. at 15-ft box culvert; on top of W. end of E. concrete wingwall of N. abutment; chiseled square, painted "UE 572.2" 572.190

NGVD 29
Elevations

1965

LINE 3 (Cont'd.)

1	14	7.09	"TT 26 DS 1934" (Described in isolated bench marks)	579.291
			This Elev.	579.291
			Prev. Elev.	579.116
			Closure	+ .175
1	15	7.61	U.E., 16 ft S. and 32 ft W. of, and 2.0 ft lower than centerline of rd. at junction of drive to Duncan Steel Drum Company; in S. end of concrete pipe culvert; chiseled square, painted "UE 539.5"	539.460
1	16	8.15	U.E., 28 ft S. and 36 ft W. of, and 0.5 ft lower than centerline of rd. at junction of N. driveway to parking lot of Porter Road Grocery; on NE. corner of concrete gas pump base; chiseled square, painted "UE 575.8"	575.832
1	17	8.70	U.E., 50 ft S. and 42 ft E. of, and level with centerline of rd. at junction of Margaret Street E.; on N. end of concrete gas pump base; chiseled square, painted "UE 626.2"	626.235

1965

52

LINE 3 (Cont'd.)

- 1 18 9.20 Rock Hill, 1.6 mi SE. of post office, along White Street; at intersection of E. Main and White Streets; in SE. corner of intersection; 51 ft S. and 46 ft E. of, and level with centerline of crossroads; in NW. corner of concrete lamppost base in NW. corner of gas station parking lot; standard tablet stamped "4 EGB 1965 652", painted "BM 651.5" 651.525
- 1 19 9.76 U.E., 21 ft NE. of centerline of E. White Street; 9 ft SE. of centerline of Pride Street; 33 ft SE. of centerline of High Street; on SE. end of bottom step of concrete stairway to Associated Employment Service Office Building; chiseled square, painted "UE 680.3" 680.301
- 1 20 10.35 U.E., 24 ft SE. and 17 ft SW. of and 4 in. higher than centerline of crossroads (E. White and N. Spruce Streets); on concrete curb near street signpost; chiseled square, painted "UE 672.6" 672.591
- 1 21 10.85 "TT 27 DS 1934" (Described in isolated bench marks) 677.628

This Elev.	677.628
Prev. Elev.	677.576
Closure	<u>+ .052</u>

 NGVD 29
Elevations

LINE 4.

FROM POINT 1.6 MILES SOUTHEAST OF ROCK HILL ALONG ROADS EAST AND SOUTHEAST TO CATAWBA (By E. G. Bates, 1965; Book AV 1391 a)

1	22	0.00	"4 EGB 1965" (Described in line 3)	651.525
1	22	0.69	U.E., 103 ft NW. of rd. signs; at junction of Y-rd.; 36 ft W. of centerline of rd. W.; in W. end of concrete pipe culvert; chiseled square, painted "UE 635.1"	635.103
1	23	1.12	U.E., in centerline of County Road 159 (E.-W. rd.); at junction of Y-rd. N.; copper nail and washer, painted "CL 625.4"	625.401
1	24	1.57	U.E., 17 ft SE. and 10 ft SW. of, and level with centerline of rd. at junction of T-rd. SE.; on SW. end of concrete pipe culvert; chiseled square, painted "UE 625.9"	625.881
1	25	2.10	Rock Hill Post Office, 1.6 mi SE., along E. White Street, thence 1.0 mi N. along U. S. Highway 21 bypass, thence 1.1 mi E. along County Road 159 to residence of D. R. McQueen; 66 ft NE. and 27 ft SE. of, and 1.5 ft lower than centerline of rd. at junction of driveway SE. to house; in top of concrete post; standard tablet stamped "5 EGB 1965 572", painted "BM 571.9"	571.905

NGVD 29
Elevations

LINE 4 (Cont'd.)

- 1 26 2.67 U.E., 18 ft NE. and 12 ft NW. of, and level
with centerline of rd. at junction of
driveway NW.; in NE. end of concrete pipe
culvert; chiseled square, painted "UE 562.8" 562.791
- 1 27 3.28 U.E., 9 ft SW. and 18 ft NW. of, and level
with centerline of rd. at junction of
driveway NW.; in SW. end of concrete pipe
culvert; chiseled square, painted "UE 609.3" 609.276
- 1 28 3.91 Rock Hill Post Office, 1.6 mi SE. of, along
White Street, thence 1.0 mi N. along U. S.
Highway 21 By-Pass, thence 2.9 mi E. along
County Roads 159 and 50 to junction of
County Roads 50 and 675; 66 ft S. and 27 ft
W. of, and 0.5 ft higher than centerline of
rd. at junction of T-rd. E.; 3 ft W. of
telephone pole; in top of concrete post;
standard tablet stamped "6 EGB 1965 638",
painted "BM 638.3" 638.265
- 1 29 4.63 U.E., 21 ft S. and 10 ft E. of, and level
with centerline of rd. at junction of
driveway S.; in E. end of concrete pipe
culvert; chiseled square, painted "UE 633.1" 633.147

NGVD 29
Elevations

1965

LINE 4 (Cont'd.)

- | | | | | |
|---|----|------|--|---------|
| 1 | 30 | 5.07 | U.E., 19 ft S. and 47 ft E. of, and level with centerline of rd. at junction of T-rd. S.; on S. end of concrete pipe culvert; chiseled square, painted "UE 606.7" | 606.735 |
| 1 | 31 | 5.48 | U.E., 14 ft E. of S. end of bridge over Burgis Creek; on top of S. end of E. concrete rail, chiseled square, painted "UE 564.4" | 564.420 |
| 1 | 32 | 5.96 | Rock Hill Post Office, 1.6 mi SE. of, along White Street, thence 1.0 mi N. along U. S. Highway 21 bypass, thence 4.0 mi E. along County Roads 159, 50, and 675, thence 0.9 mi S. along County rd. to junction of T-rd. E.; 2.3 mi N. of Catawba Indian Reservation; 38 ft S. and 33 ft E. of, and 5.0 ft lower than centerline of rd. at junction of T-rd.; in concrete post; standard tablet stamped "7 EGB 1965 631", painted "BM 631.2" | 631.182 |
| 1 | 33 | 6.60 | U.E., 14 ft S. and 93 ft E. of, and 3.0 ft lower than centerline of crossroads; on S. end of concrete pipe culvert; chiseled square, painted "UE 660.5" | 660.513 |

NGVD 29
Elevations

LINE 4 (Cont'd.)

- 1 34 7.32 U.E., 30 ft N. and 30 ft E. of, and 1.0 ft higher than centerline of rd. at junction of T-rd. S.; on SE. corner of concrete gas pump base; chiseled square, painted "UE 642.1" 642.153
- 1 35 7.83 U.E., 48 ft N. and 22 ft E. of, and 1.0 ft lower than centerline of rd. at junction of T-rd. E.; 9 ft S. of centerline of rd. at junction of driveway E.; on S. end of concrete pipe culvert; chiseled square, painted "UE 643.7" 643.740
- 1 36 8.27 Catawba Indian Reservation; 28 ft S. and 47 ft W. of, and 1.2 ft lower than centerline of rd. at junction of County Roads 160 (N.-W.) and 188 (S.); in concrete post; standard tablet stamped "8 EGB 1965 631", painted "BM 630.6" (Reported destroyed, 1968) 630.603
- 1 37 8.78 U.E., 28 ft E. of, and 2.0 ft higher than centerline of rd. at fenceline E.; in bottom of corner fencepost; rail spike, painted "UE 604.9" 604.881
- 1 38 9.39 U.E., 62 ft S. and 35 ft E. of, and 1.0 ft higher than centerline of crossroads; in trunk of 10-in. twin pine tree; rail spike, painted "UE 592.7" 592.734

NGVD 29
Elevations

1965

NGVD 29
ElevationsLINE 4 (Cont'd.)

- | | | | | |
|---|----|-------|--|---------|
| 1 | 39 | 10.12 | U.E., 10 ft N. and 18 ft W. of, and level with centerline of rd. at junction of drive W.; on N. end of concrete pipe culvert; chiseled square, painted "UE 567.9" | 567.882 |
| 1 | 40 | 10.62 | Catawba Indian Reservation, 2.4 mi S. of, along County Road 188; 2.3 mi N. of Catawba Junction; near crest of hill; 35 ft W. of, and level with centerline of rd. at junction of T-rd. E.; 5 ft E. of telephone pole #95; in concrete post; standard tablet stamped "9 EGB 1965 550", painted "BM 549.9" | 549.891 |
| 1 | 41 | 11.07 | U.E., 13 ft E. of S. end of concrete bridge; in top of S. end of E. concrete guardrail; chiseled square, painted "UE 483.2" | 483.213 |
| 1 | 42 | 11.57 | U.E., 11 ft NW. and 10 ft NE. of, and level with centerline of rd. at junction of T-rd. NW.; on NE. end of concrete pipe culvert; chiseled square, painted "UE 610.3" | 610.293 |
| 1 | 43 | 12.11 | Catawba Junction, 0.8 mi N. of, along County Road 188 to junction of Road 188 and State Highway 5; 51 ft S. and 51 ft W. of, and 3.1 ft higher than centerline of rd. at junction; in concrete post; standard tablet stamped "10 EGB 1965 615", painted "BM 615.2" | 615.195 |

1965

LINE 4 (Cont'd.)NGVD 29
Elevations

1	44	12.61	U.E., in centerline of rd. at junction of Y-rd. NE.; copper nail and washer, painted "CL 582.2"	582.156
1	45	12.96	"V 5 1933" (USC&GS)	569.724
			This Elev. 569.724	
			USC&GS Elev. 569.671	
			Closure +.053	

LINE 5.

FROM POINT 2.7 MILES SOUTHEAST OF ROCK HILL ALONG ROADS NORTH AND NORTHEAST TO FORT MILL (By E. G. Bates, 1965; Book AV 1391 a)

1	46	0.00	"CL 625.4" copper nail and washer (Described in line 4)	625.401
1	46	0.58	U.E., 49 ft N. and 34 ft W. of, and 1.0 ft lower than centerline of hwy. at junction of driveway W. to Rock Hill Technical Education Center; on SE. corner of concrete catch basin cover; chiseled square, painted "UE 591.3"	591.273
1	47	1.06	Rock Hill; 1.8 mi E. of Southern Railway station, along Southern Railway at U. S. Highway 21 underpass; 30 ft N. of, and 10.0 ft lower than N. rail; 54 ft W. of, and 12.8 ft higher than centerline of hwy.; in W. end of N. concrete wingwall of RR. bridge; standard tablet stamped "A31 EGB 1965 592", painted "BM 591.7"	591.747

1965

NGVD 29
ElevationsLINE 5 (Cont'd.)

- | | | | | |
|---|----|------|---|---------|
| 1 | 48 | 1.74 | U.E., 53 ft S. and 21 ft E. of, and 1.5 ft lower than SE. corner of building of Genes Texaco Truck Stop; on S. end of concrete gasoline pump base; chiseled square | 626.046 |
| 1 | 49 | 2.07 | U.E., 32 ft N. and 64 ft E. of, and 2.0 ft lower than centerline of hwy.; at junction of roadway E. to Rock Hill Industrial Park; on concrete lightpost base; chiseled square, painted "UE 645.7" | 645.729 |
| 1 | 50 | 2.47 | U.E., 21 ft N. and 66 ft E. of, and 3.2 ft lower than centerline of crossroads; on N. end of concrete pipe culvert; chiseled square, painted "UE 631.6" | 631.566 |
| 1 | 51 | 3.14 | Rock Hill, 1.8 mi E. of Southern Railway station, along Southern Ry., thence 2.0 mi N. along U. S. Highway 21 bypass; 230 ft NE. of N. point of triangle formed by intersection of Highway 21 (Business 21 and bypass 21); at Atlantic Service Station; 80 ft E. of E. edge of northbound lane of Highway 21; 41 ft SE. of, and level with SE. corner of building; in concrete lamppost base; standard tablet stamped "31 EGB 1965 631", painted "BM 630.7" | 630.660 |

NGVD 29
Elevations

LINE 5 (Cont'd.)

1	52	3.60	U.E., on centerline of U. S. Highway 21 at crossing of State Highway 161 W. and County Road 50 E.; chiseled square, painted "CL 618.6"	618.606
1	53	4.23	U.E., Shady Circle Esso Service Station; 60 ft W. of, and level with centerline of hwy.; on S. end of concrete base of gasoline pumps; chiseled square, painted "UE 573.8"	MEAN 573.762
1	54	4.52	Rock Hill, 1.8 mi E. of Southern Railway station, along Southern Railway, thence 3.5 mi N. along U. S. Highway 21; at bridge over Catawba River; 17 ft W. of, and 4.4 ft higher than centerline of rd. at S. end of bridge; in top of SW. concrete guardrail; standard tablet stamped "32 EGB 1965 546", painted "BM 545.3"	MEAN 545.340
1	55	5.05	U.E., 60 ft W. of, and level with centerline of hwy. at junction of Y-rd. NW.; on S. end of concrete pipe culvert; chiseled square, painted "UE 535.3"	MEAN 535.284
1	56	5.67	U.E., 17 ft N. and 35 ft W. of, and 1.5 ft higher than centerline of hwy. at junction of graveled rd. W.; in NE. side of 10-in. wooden post; rail spike, painted "UE 571.5"	MEAN 571.557

NGVD 29
ElevationsLINE 5 (Cont'd.)

1 57 6.30 U.E., 40 ft N. and 66 ft W. of, and 2.7
ft higher than centerline of U. S. Highway
21 bypass at crossing of County Road 100;
in root on SW. side of 10-in. maple tree;
copper nail and washer, painted "UE 621.3"

MEAN
621.291LINE 6.

FROM WAXHAW ALONG ROADS GENERALLY SOUTH TO POINT 2.6 MILES NORTH OF
LANCASTER (By E. G. Bates, 1965; Book AV 1391 b)

2 2 0.00 "Y 51 1933" (USC&GS) 672.861

This Elev.	672.861
USC&GS Elev.	672.869
Closure	<u>-0.008</u>

2 2 0.37 U.E., 57 ft S. and 19 ft E. of, and level
with centerline of State Highway 75 at
junction of County Road 1107; on S. end
of concrete pipe culvert; chiseled square,
painted "UE 661.3" 661.290

2 3 1.12 U.E., 9 ft W. of, and 3.0 ft higher than
centerline of rd. at N. end of bridge; on
top of N. end of W. concrete guardrail;
chiseled square, painted "UE 578.7" 578.688

2 4 1.67 U.E., 20 ft S. and 23 ft W. of, and 1.0 ft
lower than centerline of rd. at junction of
T-rd. W.; on S. end of concrete pipe culvert;
chiseled square, painted "UE 664.0" 663.951

LINE 3. (Cont'd)

				Feet
1	18	15.05	U.E., centerline of T-rd. SE.; nail and cap	603.72 603.7
1	19	15.65	USGS bench mark "31 EGB 1965"	630.66

LINE 4.

By Richard L. Meador, 1980; Book AV 1738

1	22	0.00	NGS TRI STA "HENNEN 1934"	662.01
1	22	0.50	U.E., centerline of crossroads; nail and cap	657.16
1	24	1.62	Lewis, 2.2 mi W. of along blacktop rd.; 13 ft N. and 0.3 ft higher than centerline of W. end of bridge; 3.7 ft E. of W. end of N. concrete wheelguard; standard tablet stamped "8 MEA 1980 540"	540.318
1	25	2.46	U.E., centerline of crossroads; nail and cap	625.625
1	26	3.39	Lowry, 3.5 mi SE. of Post Office; 4.0 mi W., thence 0.3 mi N. of Lewis; 60 ft S., 43 ft E., and 2.8 ft higher than T-rd. W.; 2.5 ft S. of power pole; 0.5 ft N. of metal witness post; set in top of concrete post projecting 4 inches; standard tablet stamped "9 MEA 1980 636"	635.896
1	27	4.63	U.E., centerline of rd. at drive S.; nail and cap	615.665
1	28	5.09	Lowry, 3.5 mi SE. of Post Office, thence 1.7 mi W.; 13.4 ft NE. and 0.9 ft higher than centerline of W. end of bridge; 2.8 ft E. of W. end of N. concrete wheelguard; standard tablet stamped "10 MEA 1980 524"	523.764
1	30	6.31	USGS bench mark "TT 26 B 1934"	672.925

LINE 5.

By Richard L. Meador, 1980; Book AV 1738

1	61	0.00	USGS bench mark "4 MEA 1980" (Described in Line 3)	705.383
1	61	0.62	U.E., centerline of T-rd. SE.; nail and cap	705.870
1	62	1.65	York, 7.6 mi E. along State Route 161 from Post Office, thence 1.7 mi S. from crossroads at Duke Power sub. station; 13 ft SE. and 1.0 ft higher than centerline of bridge; 22 ft SW. of NE. end of concrete wheelguard; standard tablet stamped "20 MEA 1980 614"	614.258
1	63	2.32	U.E., centerline of crossroads; nail and cap	684.386
1	64	3.55	York, 6.8 mi SE. of along State Route 5 from Post Office; 38 ft NE., 29 ft SE., and 2.3 ft lower than centerline of T-rd. NE.; 3.0 ft SE. of power pole; 1.0 ft N. of metal witness post; set in top of concrete	

LINE 6 (Cont'd.)

2	5	2.20	Waxhaw, 1.9 mi S. of, along County Road 1107; 250 ft E. of small lake in hillside pasture; 18 ft W. of, and 1.3 ft lower than centerline of rd. opposite fenceline E.; 3 ft E. of NE. corner fencepost; in concrete post flush with ground; standard tablet stamped "11 EGB 1965 724", painted "BM 723.9"	723.933
2	6	2.91	U.E., 34 ft S. and 26 ft E. of, and 4.2 ft higher than centerline of rd. at junction of Y-rd.; on top of masonry monument; chiseled square, painted "UE 764.8"	764.799
(7	3.54	U.E., 69 ft N. and 29 ft E. of, and level with centerline of rd. at southernmost of two T-rds. W.; on top of concrete right-of-way marker; loop of letter R, painted "UE 714.6"	714.561
2	8	4.11	U.E., 18 ft N. and 32 ft W. of, and 5.5 ft lower than centerline of rd. at junction of driveway W. to farmhouse; on N. end of concrete pipe culvert under drive; chiseled square, painted "UE 620.5"	620.514

NGVD 29
Elevations

1965

LINE 6 (Cont'd.)

2	9	4.41	Waxhaw, 4.1 mi S. of, along County Roads 1107 and 1106; at Y-rd. junction of County Roads 1106 and 1104; in fork of rds.; 138 ft S. of, and 3.5 ft lower than centerline of rd. at junction; 9 ft S. of signpost; in concrete post; standard tablet stamped "12 EGB 1965 626", painted "BM 625.7"	625.695
2	10	5.23	U.E., 9 ft N. and 18 ft W. of, and level with centerline of rd. at junction of driveway to large white frame house; on N. end of concrete pipe culvert; chiseled square, painted "UE 590.2"	590.241
2	11	5.68	U.E., 9 ft E. of, and level with centerline of rd. at S. end of bridge; in top of first wooden piling of SE. wingwall; copper nail and washer, painted "UE 509.4"	509.385
2	12	6.28	U.E., 18 ft E. of, and level with centerline of rd. at sharp curve; on E. end of concrete pipe culvert; chiseled square	

NGVD 29
ElevationsMEAN
532.761

1965

LINE 6 (Cont'd.)

			NGVD 29 Elevations
2	13	6.75 Waxhaw, 6.4 mi S. of, along County Roads 1107 and 1106; at residence of J. W. Newman; 74 ft S. and 17 ft W. of, and 0.2 ft higher than centerline of rd. at junction of driveway W.; 5 ft NW. of NE. corner fencepost of pasture; in concrete post; standard tablet stamped "13 EGB 1965 621"	MEAN 614.916
2	14	7.24 U.E., 10 ft S. and 18 ft E. of, and 0.5 ft higher than centerline of rd. at junction of drive E. to frame house; in root on S. side of 12-in. oak tree; copper nail and washer	MEAN 632.964
2	15	7.53 U.E., 21 ft N. and 15 ft W. of, and 0.5 ft lower than centerline of County Road 1106 at junction of County Road 1100; on N. end of steel pipe culvert; chiseled square	MEAN 637.125

1965

LINE 6 (Cont'd.)

2 16	8.22	Waxhaw, 7.2 mi S. of, along County Roads 1107 and 1106, thence 0.7 mi W. along County Road 1100 to crossing of County Road 1104; 6.1 mi NE., along State Highway 200, thence 2.0 mi N. along county rd. to North Carolina-South Carolina State line, thence N. of Lancaster along Road 1104 to crossroads; in SW. corner; 32 ft S. and 35 ft W. of, and 1.4 ft lower than centerline of crossroads; in concrete post; standard tablet stamped "14 EGB 1965 636"	NGVD 29 Elevations MEAN 629.295
17	8.78	U.E., 15 ft S. and 12 ft E. of, and level with centerline of rd. at junction of driveway E.; on S. end of steel pipe culvert; chiseled square	606.258
2 18	9.36	U.E., 10 ft S. and 12 ft W. of, and 1.5 ft lower than centerline of rd. at junction of driveway W.; on S. end of concrete pipe culvert; chiseled square	MEAN 581.715
2 19	10.28	Lancaster, 6.1 mi NE. of intersection of U. S. Highway 521, along State Highway 200; 40 ft SW. and 35 ft NW. of, and 5.3 ft higher than centerline of rd. at junction of T-rd. NW.; in concrete post; standard tablet stamped "15 EGB 1965 553"	MEAN 546.897

1965

NGVD 29
ElevationsLINE 6 (Cont'd.)

- | | | | | |
|---|----|-------|---|-----------------|
| 2 | 20 | 10.59 | U.E., 14 ft SE. of, and 0.5 ft higher than centerline of rd. at NE. end of 100-ft concrete bridge; on top of NE. end of concrete wheelguard; chiseled square | MEAN
488.151 |
| 2 | 21 | 11.53 | U.E., 8 ft SW. and 16 ft NW. and level with centerline of rd. at junction of driveway NW.; on SW. end of concrete pipe culvert; chiseled square | MEAN
553.676 |
| 2 | 22 | 11.97 | U.E., 23 ft S. and 26 ft W. of, and 1.0 ft lower than centerline of crossroads; on S. end of concrete pipe culvert; chiseled square | MEAN
556.926 |
| 2 | 23 | 12.36 | Lancaster, 4.0 mi NE. of intersection of U. S. Highway 521 and County Road 246, along State Highway 200; 36 ft N. and 31 ft W. of, and 3.0 ft lower than centerline of rd. at junction; in concrete post; standard tablet stamped "16 EGB 1965 542" | MEAN
535.518 |
| 2 | 24 | 13.00 | U.E., 38 ft N. and 15 ft W. of, and 0.6 ft lower than centerline of rd. at fenceline E.; on top of W. concrete headwall of culvert; chiseled square | MEAN
507.264 |

1965

LINE 6 (Cont'd.)

2 25 13.50 U.E., 14 ft E. of, and 1.0 ft higher than
centerline of rd. at S. end of bridge over
Camp Creek; on S. end of E. concrete
wheelguard; chiseled square

NGVD 29
ElevationsMEAN
474.045

2 26 14.06 U.E., 83 ft S. and 38 ft W. of, and 4.0 ft
higher than centerline of rd. at junction
of driveway W.; 36 ft S. of driveway E.;
in E. side of 24-in. pine tree; rail spike

MEAN
570.420

2 27 14.34 "CL 572.5" copper nail and washer (Described
in line 2)

588.252

This Elev.	588.252
Prev. Elev.	<u>588.477</u>
Closure	-.225

LINE 7.

FROM POINT 7.2 MILES SOUTH OF WAXHAW ALONG ROADS SOUTHWEST TO RIVERSIDE
(By E. G. Bates, 1965; Book AV 1391 b)

2 29 0.00 "14 EGB 1965 636" (Described in line 6)

629.298

This Elev.	629.298
Prev. Elev.	<u>629.295</u>
Closure	+.003

1965

LINE 7 (Cont'd.)

				NGVD 29 Elevations
2	29	0.83	Waxhaw, 7.2 mi S. of, along County Roads 1107 and 1106, thence 1.5 mi W. along County Road 1100 to junction of T-rd. S.; in SW. angle; 77 ft S. and 40 ft W. of, and 1.9 ft higher than centerline of rd. at junction of T-rd. S.; at E. edge of woods; in concrete post; standard tablet stamped "17 EGB 1965 620"	613.449
2	30	1.36	U.E., 22 ft S. and 16 ft E. of, and 1.0 ft lower than centerline of rd. at junction of T-rd. S.; on E. end of concrete pipe culvert; chiseled square	605.805
2	31	1.89	U.E., 20 ft SW. of North Carolina-South Carolina State line; 18 ft S. and 100 ft W. of junction of Y-rd.; in NW. side of 8-in. pine tree; rail spike	606.123
2	32	2.44	U.E., 30 ft S. of, and 1.0 ft higher than centerline of rd. at NE. corner of large field; in 6-in. pine tree; rail spike painted "UE 585.4"	585.387

1965

LINE 7 (Cont'd.)

2	33	2.87	"RICHARDSON 1934" (Described in isolated bench marks)	606.093
			This Elev.	606.093
			Prev. Elev.	606.354
			Closure	<u>-.261</u>
2	34	3.23	Reference mark No. 1; 0.2 mi S. of station; 24 ft S. of centerline of dirt rd.; 60 ft WSW. of W. corner of abandoned farmhouse; in concrete post; USC&GS standard reference mark disk stamped "RICHARDSON NO 1 1934"	MEAN 623.205
2	35	3.53	U.E., 43 ft S. and 50 ft W. of, and 1.8 ft higher than centerline of U. S. Highway 521 at county rd. crossing; on concrete signpost base at NE. corner of store; chiseled square	MEAN 598.422
2	36	4.04	U.E., 28 ft S. and 12 ft W. of, and 1.5 ft lower than centerline of rd. at field entrance; in NE. corner fencepost; rail spike	MEAN 579.348
2	37	4.64	U.E., 17 ft N. and 40 ft E. of, and level with centerline of rd. at junction of T-rd. N.; on E. end of concrete pipe culvert; chiseled square	MEAN 588.837

1965

LINE 7 (Cont'd.)

- 2 38 4.84 Waxhaw, 7.2 mi S., thence 5.5 mi W. of,
along county roads; 1.3 mi W. of U. S.
Highway 521; 1.6 mi NE. of Old Waxhaw Church;
92 ft E. of, and level with centerline of
County Road 35 at junction of T-rd. E.; 4 ft
NW. of 10-in. pine tree; in concrete post;
standard tablet stamped "18 EGB 1965 577"
570.867
- 2 39 5.44 U.E., 9 ft S. and 16 ft W. of, and level
with centerline of rd. at pasture entrance
W.; on S. end of concrete pipe culvert;
chiseled square,
MEAN
552.201
- 2 40 5.94 U.E., 35 ft SW. and 33 ft SE. of, and 2.0
ft higher than centerline of rd. at junction
of T-rd. SE.; in root on N. side of 10-in.
pine tree; copper nail and washer
587.910
- 2 41 6.44 U.E., 500 ft SW. of centerline of rd. at
junction of southern drive to Old Waxhaw
Church; 24 ft SE. of centerline of rd. at
concrete pipe culvert; on SE. end of pipe;
chiseled square,
MEAN
603.252

NGVD 29
Elevations

1965

LINE 7 (Cont'd.)

2 42	6.79	Old Waxhaw Church, 0.4 mi SE. of; 1.0 mi N. of Riverside; 22 ft S. and 75 ft E. of, and 3.0 ft higher than centerline of crossroads; 3 ft W. of telephone pole; in concrete post; standard tablet stamped "19 EGB 1965 614"	NGVD 29 Elevations MEAN 608.016
2 43	7.35	U.E., 9 ft N. and 18 ft E. of, and 1.0 ft lower than centerline of rd. at junction of driveway E.; on N. end of concrete pipe culvert; chiseled square	MEAN 599.748 MEAN 600.909
2 44	7.84	"601.049 W 23 1934" (USC&GS) (Reported not found, 1969) This Elev. 600.909 USC&GS Elev. 601.009 Closure <u> </u> -.100	MEAN 599.748 MEAN 600.909

LINE 8.

FROM RIVERSIDE ALONG ROADS SOUTHEAST TO POINT 2.0 MILES NORTH OF LANCASTER (By E. G. Bates, 1965; Book AV 1391 b)

2 45	0.00	"601.049 W 23 1934" (USC&GS) (Also in line 7)	601.008
		This Elev. 601.008 USC&GS Elev. 601.009 Closure <u> </u> -.001	
2 45	0.72	U.E., 13 ft W. of RR. tracks; 22 ft N. and 22 ft E. of, and 1.0 ft lower than centerline of rd. at cross road to Riverside Fire Tower; on N. end of concrete pipe culvert; chiseled square, painted "UE 592.1"	592.056

1965

LINE 8 (Cont'd.)NGVD 29
Elevations

2	46	1.15	U.E., 16 ft N. and 9 ft E. of, and level with centerline of rd. at crossing of woods rds.; on E. end of concrete pipe culvert; chiseled square, painted "UE 560.4"	560.415
2	47	1.62	U.E., 65 ft N. and 15 ft W. of, and 1.9 ft lower than centerline of rd. at junction of private rd. N.; on W. end of concrete pipe culvert; chiseled square, painted "UE 523.7"	523.707
2	48	2.15	Riverside, 0.7 mi S., thence 1.4 mi E. of, along county rds. to 120-ft concrete bridge; 18 ft S. of, and 0.5 ft lower than centerline of rd. at W. end of bridge; in top of S. wingwall of W. abutment; standard tablet stamped "20 EGB 1965 452", painted "BM 452.1"	452.121
2	49	2.62	U.E., 70 ft E. of centerline of rd. at junction of T-rd. S.; 21 ft S. and 9 ft E. of, and 0.3 ft lower than centerline of rd. at junction of driveway S.; on E. end of concrete pipe culvert; chiseled square, painted "UE 507.7"	507.663
2	50	3.23	U.E., in centerline of rd. at junction of T-rd. N.; spike and bottle cap, painted "CL 530.5"	530.529

1965

NGVD 29
ElevationsLINE 8 (Cont'd.)

2 51	3.83	Riverside, 0.7 mi S., thence 3.1 mi E. of, along county rds.; 2.0 mi N. of Lancaster, along U. S. Highway 521, thence 1.0 mi W. along county rds. to 50-ft concrete bridge; 12 ft N. of, and 0.9 ft higher than centerline of rd. at E. end of bridge; in E. end of N. concrete wheelguard; standard tablet stamped "21 EGB 1965 449", painted "BM 449.1"	449.100
2 52	4.34	U.E., 17 ft N. and 23 ft W. of, and level with centerline of rd. at junction of T-rd. N.; on W. end of concrete pipe culvert; chiseled square, painted "UE 525.2"	525.237
2 53	4.86	U.E., 52 ft N. and 34 ft E. of, and 2.0 ft higher than centerline of U. S. Highway 521 at junction of T-rd. E.; on center of concrete gas pump base; chiseled square, painted "UE 566.9"	566.949
2 55	5.56	"5 WDK 1964 547" (Described in line 2)	547.380
		This Elev.	547.380
		Prev. Elev.	547.491
		Closure	<u>-.111</u>

<p>RESET - SEE BACK OF RECORD FOR DESCRIPTION AND ELEVATION</p>

1965

LINE 9.

FROM WAXHAW ALONG ROADS NORTHWEST WEST AND SOUTHEAST TO POINT 4.0 MILES
NORTHEAST OF VAN WYCK (By E. G. Bates, 1965; Book AV 1391 c)

3 2 0.00 "Y 51 1933" (USC&GS) (Also in line 6) 672.870

This Elev.	672.870
USC&GS Elev.	<u>672.869</u>
Closure	+0.001

3 2 0.64 U.E., centerline of State Highway 16 at
junction of driveway W., painted "CL 625.4" 625.443

3 3 1.21 U.E., 2 ft N. and 17 ft W. of, and level
with centerline of rd. at concrete walkway
W.; on N. edge of second large square of
walk; chiseled square, painted "UE 605.4" 605.319

3 4 1.68 U.E., 16 ft N. and 22 ft W. of, and 0.3 ft
higher than centerline of State Highway 16
at junction of County Road 1304; on N. end
of concrete pipe culvert; chiseled square,
painted "UE 542.3" 542.220

3 5 2.02 Waxhaw, 2.0 mi N. of, along State Highway
16 to concrete bridge over Twelve Mile Creek;
13 ft E. of, and 0.2 ft lower than centerline
of rd. at S. end of bridge; in E. end of S.
concrete wingwall; standard tablet stamped
"22 EGB 1965 518", painted "BM 518.0" 517.974

1965

LINE 9 (Cont'd.)NGVD 29
Elevations

3	6	2.02	Reference mark No. 1 of USGS Gaging Station No. 1469; 2.0 mi N. of, along State Highway 16 to concrete bridge over Twelve Mile Creek; 77 ft from right-hand side of bridge; on upstream handrail; chiseled square	521.928
3	6	2.58	U.E., 440 ft N. of centerline of rd. at junction of driveway NW.; 18 ft W. of, and 0.8 ft lower than centerline of rd. at culvert; on top of W. concrete headwall; chiseled square, painted "UE 560.3"	560.340
3	7	3.03	U.E., 9 ft N. and 19 ft E. of, and level with centerline of crossroads; on N. end of concrete pipe culvert; chiseled square, painted "UE 585.4"	585.405
3	8	3.79	U.E., 91 ft N. and 21 ft W. of, and 1.5 ft lower than centerline of rd. at junction of T-rd. W.; on N. end of concrete pipe culvert; chiseled square, painted "UE 614.4"	614.355
3	9	4.79	Waxhaw, 4.8 mi N. of, along State Highway 16; 2.0 mi E. of Marvin, along County Road 1315; 45 ft S. and 33 ft W. of, and 3.7 ft higher than centerline of crossroads; in NE. corner of field; in concrete post; standard tablet stamped "23 EGB 1965 658", painted "BM 658.2"	658.158

CATAWBA

S.C.-N.C.

E. G. Bates

Book AV 1391 c 6/10/65

1965

NGVD 29
ElevationsLINE 9 (Cont'd.)

3	10	5.32	U.E., 13 ft S. of, and level with centerline of rd. at W. end of bridge; on top of S. end of W. concrete wingwall; chiseled square, painted "UE 603.0"	602.982
3	11	5.81	U.E., 30 ft S. and 9 ft E. of, and 2.8 ft lower than centerline of rd. at culvert; in NW. side of 18-in. oak tree; rail spike, painted "UE 640.5"	640.503
3	12	6.28	Marvin, 1.1 mi E. of, along County Road 1315 to junction of County Road 1309; in SE. angle; 24 ft S. and 28 ft E. of, and 1.1 ft lower than centerline of Road 1315 at junction of Road 1309; 3 ft E. of telephone pole; in concrete post; standard tablet stamped "24 EGB 1965 680", painted "BM 679.6"	679.617
3	13	6.78	U.E., in centerline of rd. at top of hill at junction of wide driveway S.; copper nail and washer, painted "UE 690.1"	690.117
2	14	7.35	"697 ADJ 1903" (Described in isolated bench marks)	696.207

This Elev.	696.207
Prev. Elev.	696.276
Closure	<u> </u> -.069

1965

NGVD 29
ElevationsLINE 9 (Cont'd.)

3 15	7.50	"TT 18 DS 1934" (Described in isolated bench marks)	685.170
		This Elev. 685.170	
		Prev. Elev. 685.235	
		Closure -.065	
3 16	7.99	U.E., in centerline of rd. at junction of driveway N.; copper nail and washer, painted "CL 680.0"	679.995
3 17	8.49	U.E., 18 ft N. and 55 ft E. of, and 3.0 ft higher than centerline of rd. at junction of driveway N.; on SW. corner of bottom step of concrete stairway to house N.; chiseled square, painted "UE 657.9"	657.912
3 18	9.22	U.E., 13 ft S. of, and 1.0 ft higher than centerline of rd. at E. end of bridge; on top of E. end of S. concrete wheelguard; chiseled square, painted "UE 569.6"	569.577
3 19	9.82	Marvin, 2.3 mi W. of, along county rd.; 0.2 mi W. of Pleasant Valley Presbyterian Church; at junction of U. S. Highway 521 and county rd. E.; 59 ft E. of, and level with centerline of Highway 521 at junction; 19 ft N. of county rd.; 3 ft SW. of telephone pole; in concrete post; standard tablet stamped "25 EGB 1965 655", painted "BM 654.8"	654.828

1965

LINE 9 (Cont'd.)

		NGVD 29 Elevations		
3	20	10.37	U.E., 9 ft N. and 18 ft W. of, and level with centerline of hwy. at junction of driveway W.; on N. end of concrete pipe culvert; chiseled square, painted "UE 646.1"	646.119
3	21	10.89	U.E., 9 ft N. and 22 ft E. of, and 0.6 ft lower than centerline of hwy. at junction of driveway NE.; on N. end of concrete pipe culvert; chiseled square, painted "UE 624.2"	624.231
3	22	11.53	U.E., 25 ft S. and 18 ft W. of, and 1.2 ft lower than centerline of hwy at junction of private rd. W.; on W. concrete headwall of culvert; chiseled square, painted "UE 624.3"	624.267
3	23	12.07	U.E., 17 ft S. and 20 ft W. of, and 0.5 ft lower than centerline of hwy. at junction of driveway W.; on W. end of S. concrete wall of L-shaped culvert headwall; chiseled square, painted "UE 622.7"	622.725

1965

LINE 9 (Cont'd.)

3	24	12.62	Pleasant Valley Presbyterian Church; 0.2 mi W., thence 2.8 mi S. of, along U. S. Highway 521; 0.2 mi N. of Indian Land High School; 10 ft S. and 60 ft E. of, and 4.2 ft lower than centerline of rd. at junction of Y-rd. NW.; 76 ft S. of centerline of rd. at junction of drive E.; in top of concrete post; standard tablet stamped "26 EGB 1965 RESET 1975" (Unchecked elevation)	614.064
3	25	13.14	U.E., 36 ft N. and 38 ft E. of, and 1.5 ft higher than centerline of hwy. at junction of T-rd. E.; on SW. corner of concrete gasoline pump base; chiseled square, painted "UE 642.2"	642.186
3	26	13.69	U.E., 23 ft N. and 17 ft E. of, and level with centerline of hwy. at junction of T-rd. E.; on top of E. concrete headwall of culvert; chiseled square, painted "UE 617.9"	617.916
3	27	14.23	U.E., on centerline of hwy. at junction of T-rd. E.; painted cross, painted "CL 598.6"	598.566

NGVD 29
Elevations

Continued

42

CATAWBA S.C.-N.C.
Book AV 1391 c 6/11/65 kas

E. G. Bates
1965

NGVD 29
Elevations

LINE 9 (Cont'd.)

3 28 14.67 "SY 10 1934 604" (Described in isolated
bench marks) 603.429

This Elev. 603.429
Prev. Elev. 603.379
Closure +.050

3 29 15.23 U.E., 9 ft S. and 21 ft E. of, and 0.5 ft
higher than centerline of hwy. at junction
of driveway E.; on S. end of concrete pipe
culvert; chiseled square, painted "UE 564.1" 564.105

3 30 15.93 U.E., 21 ft N. of centerline of hwy. at
junction of driveway W.; 60 ft N. and 18
ft W. of and 2.0 ft higher than centerline
of hwy. at junction of T-rd. E.; on N. end
of concrete pipe culvert; chiseled square,
painted "UE 519.5" MEAN
519.513

3 31 16.18 U.E., 15 ft W. of, and 1.0 ft higher than
centerline of rd. at S. end of bridge over
Twelve Mile Creek; on S. end of W. concrete
wheelguard; chiseled square, painted
"UE 494.2" MEAN
494.205

3 32 16.70 "S 5 1933" (USC&GS) MEAN
509.451
This Elev. 509.451
USC&GS Elev. 509.343
Closure +.108

LINE 10.

FROM POINT 2.8 MILES SOUTH OF PLEASANT VALLEY ALONG ROADS NORTHWEST AND WEST TO POINT 2.7 MILES NORTHWEST OF FORT MILL (By E. G. Bates, 1965; Book AV 1391 c)

3	37	0.00	"26 EGB 1965 613" (Described in line 9)	612.945
3	37	0.52	U.E., 18 ft NW. and 11 ft SW. of, and 1.3 ft lower than centerline of rd. at junction of driveway NW.; on SW. end of concrete pipe culvert; chiseled square, painted "UE 598.8"	598.773
3	38	1.12	U.E., 9 ft S. of, and 1.0 ft higher than centerline of rd. at E. end of bridge over Sugar Creek; on top of first bolt from E. end of S. wheelguard; chiseled cross, painted "UE 501.1"	501.060
3	39	1.69	U.E., in centerline of rd. at junction of driveway S.; copper nail and washer	579.120
3	40	2.18	Indian Land School, 0.2 mi N., thence 2.1 mi NW. of, along county rd.; 32 ft N. and 97 ft E. of, and 5.3 ft higher than centerline of rd. at junction of woods rd. N.; on high bank; 6 ft N. of telephone pole; in concrete post; standard tablet stamped "27 EGB 1965 583", painted "BM 583.4"	583.365
3	41	2.76	U.E., in centerline of rd. at top of hill at field entrance S.; rail spike, painted "CL 615.1"	615.063

LINE 10 (Cont'd.)

3	42	3.40	U.E., 30 ft S. and 9 ft W. of, and 0.5 ft higher than centerline of rd. at junction of private rd. S.; in W. gatepost; rail spike, painted "UE 616.3"	616.989
3	43	3.92	Indian Land School, 0.2 mi N. of, thence 3.9 mi NW., along county rd.; 3.9 mi SE. of Fort Mill; 67 ft E. of, and 2.9 ft lower than centerline of rd.; 57 ft W. of front door to Doubys Bridge Presbyterian Church (Old Massey School property); beside 10-in. pine tree; in concrete post; standard tablet stamped "28 EGB 1965 622"	621.804
3	44	4.48	U.E., in centerline of rd. at top of hill at junction of drive S.; copper nail and washer, painted "CL 653.3"	653.277
3	45	5.10	U.E., 63 ft SW. of, and 0.5 ft higher than centerline of rd. at junction of Y-rd. S.; in root on NE. side of 30-in. oak tree; copper nail and washer, painted "UE 656.1"	656.106
3	46	5.63	U.E., 12 ft SE. and 27 ft NE. and 0.8 ft lower than centerline of rd. at junction of drive NE.; on SE. end of concrete pipe culvert; chiseled square, painted "UE 678.4"	678.363

1965

LINE 10 (Cont'd.)NGVD 29
Elevations

- 3 47 6.09 Fort Mill, 1.6 mi SE. of, along county rd. to junction of county rd. SW.; 18 ft SW. of, and 0.2 ft higher than centerline of rd. at parkway; at culvert in middle of parkway between two lanes of rd. SW.; in N. masonry headwall of culvert; standard tablet stamped "29 EGB 1965 658", painted "BM 658.3" (Not found, 1968) 658.302
- 3 48 6.67 U.E., in centerline of rd. at junction of T-rd. NE. at woods rd. SW.; copper nail and washer, painted "CL 658.2" 658.248
- 3 49 7.11 U.E., 17 ft W. of centerline of rd. at junction of T-rd. N.; 19 ft N. and 161 ft E. of, and 4.5 ft lower than centerline of State Highway 160 at junction of Doby Road SE.; on W. end of concrete pipe culvert; chiseled square, painted "UE 650.2" 650.235
- 3 50 7.68 U.E., Fort Mill; in front of post office at main intersection of town; 23 ft N. and 34 ft E. of, and 0.4 ft higher than centerline of crossroads; on concrete curb by telephone pole; chiseled square, painted "UE 650.4" 650.388

1965

NGVD 29
ElevationsLINE 10 (Cont'd.)

3 51	7.98	Fort Mill; in NW. part of town on top of highest hill; on property owned by Lancaster Cotton Mill Company; 50 ft S. of centerline of street; 38 ft WSW. of center pipe of large tank; 34 ft SW. of W. corner of footing of NW. leg of tank; 14 ft W. of NW. corner of footing of SW. leg; in concrete post; USC&GS standard triangulation station disk stamped "FORT MILL 1934"	667.929
3 52	8.32	Reference mark No. 3; 74 ft N. and 15 ft E. of, and 2.9 ft higher than centerline of crossroads (Audrey and Harris Streets); in concrete post; USC&GS standard reference mark disk stamped "FORT MILL NO 3 1934", painted "BM 649.4"	649.446
3 54	9.01	"UE 621.3" copper nail and washer (Described in line 5)	621.306
		This Elev. 621.306	
		Prev. Elev. 621.291	
		Closure +.015	
3 55	9.56	U.E., in centerline of County Road 100 at junction of County Road 251 NW.; rail spike, painted "CL 588.3"	588.324

LINE 10 (Cont'd.)

3 57 10.33 Fort Mill Post Office; 1.9 mi W. of, along
County Road 100, thence 0.8 mi NW. along
County Road 251 to junction of County Road
49; 57 ft S. and 57 ft E. of, and 1.6 ft
higher than centerline of rd. at junction;
4 ft W. of telephone pole; in concrete post;
standard tablet stamped "30 EGB 1965 706",
painted "BM 706.3" 706.314

LINE 11.

FROM POINT 0.7 MILE EAST OF FORT MILL ALONG ROADS EAST AND SOUTH TO
POINT 2.3 MILES WEST OF MARVIN (By E. G. Bates, 1965; Book AV 1391 d)

4 2 0.00 "UE 650.2" chiseled square (Described in 650.235
line 10)

4 2 0.67 Fort Mill Post Office, 1.3 mi E. of, along
State Highway 160; near top of hill; 38 ft
S. and 100 ft E. of, and 2.1 ft lower than
centerline of hwy. at junction of two Y-rds.
(one SE. and one SW.); 6 ft W. of telephone
pole; in concrete post; standard tablet
stamped "34 EGB 1965 642", painted "BM 641.6" 641.556

1965

NGVD 29
ElevationsLINE 11 (Cont'd.)

- 4 - 4 1.81 Fort Mill Post Office, 2.4 mi E. of, along State Highway 160 to concrete bridge over Sugar Creek; 15 ft S. of, and level with centerline of rd. at W. end of bridge; in top of S. end of W. concrete abutment; standard tablet stamped "35 EGB 1965 515", painted "BM 515.2" 515.154
- 4 5 2.62 Fort Mill Post Office, 3.2 mi E. of, along State Highway 160; 1.6 mi W. of Pleasant Hill Church; 30 ft S. and 38 ft W. of, and 3.9 ft higher than centerline of hwy. at junction of T-rd. S. to Bethel Free Will Baptist Church; on high bank; in concrete post; standard tablet stamped "36 EGB 1965 609", painted "BM 608.6" 608.574
- 4 7 3.73 Pleasant Hill Church, 0.5 mi W. of, along State Highway 160; 20 ft N. and 33 ft W. of, and 1.5 ft lower than centerline of rd. at junction of T-rd. N.; in center of N. concrete headwall of culvert; standard tablet stamped "37 EGB 1965 628", painted "BM 628.1" 628.077

1965

LINE 11 (Cont'd.)NGVD 29
Elevations

4 - 8	4.54	U.E., in centerline of U. S. Highway 521 at junction of State Highway 160; copper nail and washer	663.585
4 9	5.02	"25 EGB 1965 655" (Described in line 9)	654.801
		This Elev.	654.801
		Prev. Elev.	654.828
		Closure	-.027

LINE 12.

FROM POINT 4.8 MILES NORTH OF WAXHAW ALONG ROADS NORTH INTO CHARLOTTE
QUADRANGLE (By E. G. Bates, 1965; Book AV 1391 e)

5 2	0.00	"23 EGB 1965 658" (Described in line 9)	658.158
5 2	0.75	Waxhaw, 5.5 mi N. of; 1.6 mi S. of Weddington, along State Highway 16 to junction of T-rd. E.; 36 ft N. and 22 ft E. of, and 1.0 ft lower than centerline of rd. at junction of T-rd. E.; 2 ft W. of pasture fence; 20 ft N. of SW. corner fencepost; in concrete post; standard tablet stamped "ET 4 JRH 1965 671"	670.590
5 3	1.65	Weddington, 0.7 mi S. of, along State Highway 16 to junction of T-rd. W.; 31 ft N. and 32 ft W. of, and 1.0 ft higher than centerline of rd. at junction of T-rd. W.; 19 ft E. of centerline of rd. at junction of private drive NW.; 2 ft S. of fence; in concrete post; standard tablet stamped "50 EGB 1965 711"	711.489

1965

LINE 12 (Cont'd.)

5	4	2.34	Weddington; 59 ft N. and 37 ft E. of, and 0.9 ft lower than centerline of rd. at junction of T-rd. W. to Weddington School; 89 ft S. and 2 ft W. of NW. fence corner of recreation park; 4 ft N. of telephone pole; in concrete post; standard tablet stamped "51 EGB 1965 721"	721.452
5	5	3.03	U.E., centerline of rd. at junction of T-rd. E.	690.750

3408044

#136 S.C.

Form 86
(8-24-55)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Designation of mark
TT 16 DS 1934 NE 67
State
S.C. County
Lancaster

REPORT ON RELOCATION OF BENCH MARK
(See instructions on reverse side)

APR 73 RECD

A. Description of original mark
Hancock, about 1.0 mi NE. of station; 3.5 mi SW of Waxhaw; 0.5 mi NE. of centerline of U.S. Highway 321 (Lancaster-Charlotte rd.), at junction of Pared rd. to Waxhaw; 405* ft S. of Seaboard Air Line Railway track; at concrete bridge over Delancy Creek; in w end of N. curb rail; Standard tablet stamped "TT 16 DS 1934" (Reset 1972) El. 490.003

B. Field notes
Date of leveling 7-1-72 ^{4/73} *Notes*

Point	B.S.	H.I.	F.S.	Elevation	Remarks
	5263	445.266		490.003	
			5.018	490.248	Reset - TT 16 DS 1934

C. Description of new mark
Same as original
Not CTS
NGVD 29 Elevations
(Signed) Ted R. Funderburk

R E S E T

CATAWBA QUADRANGLE
136 SOUTH CAROLINA - 52 NORTH CAROLINA

RIVERSIDE, 0.7 MI SOUTH THENCE 3.1 MI EAST OF ALONG COUNTY RDS.; 2 MI NORTH OF LANCASTER; ALONG U.S. HWY. 521 THENCE 1 MI WEST ALONG RD. S-56 (UNIVERSITY DRIVE) TO 120 FT CONCRETE BRIDGE OVER CAMP CREEK; 21 FT NORTH OF AND 3 FT HIGHER THAN CENTER OF RD. AT EAST END OF BRIDGE; ON TOP OF COLLISION WALL, STANDARD TABLET STAMPED "21 EGB 1965 RESET 1986"

RESET ELEVATION 453.755 FT
138.303 M

RESET BY SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
LANCASTER, SOUTH CAROLINA
MAY 22, 1986

6-21-95 CORRECTED RESET ELEVATION IN USGS NOTES

C.-52 N.C.
AA QUADRANGLE
of "SY 11 1934"

Lancaster, 13.0 mi N. of; 55 ft E. of Steel Hill Church; on church property; 428 ft NW. of Nivens store; 1 ft E. of concrete walk; 16.1 ft E. of S. corner of church steps; in concrete post flush with ground; standard tablet stamped "SY 11 1934 RESET 1975"

(Unchecked elevation) 696.456 ft

NGVD 29
Elevations

RESET of "26 EGB 1965 613"

Pleasant Valley Presbyterian Church, 0.2 mi W. of, thence 2.8 mi S. along U. S. Highway 521; 0.2 mi N. of Indian Land High School; 10 ft S. and 60 ft E. of, and 4.2 ft lower than centerline of rd. at junction of Y-rd. NW.; 76 ft S. of centerline of rd. at junction of drive E.; in concrete post; standard tablet stamped "26 EGB 1965 RESET 1975"

(Unchecked elevation) 614.064 ft

As reset by J. R. Bailey
State Highway Dept.
Lancaster, S. C.
7/15/75

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FORM 9-1165
(Rev. 3-60)

S.C. 136 - N.C. 52
REPORT ON PERMANENT SURVEY MARK AREA OFFICE

STATE SOUTH CAROLINA, N.C COUNTY _____ QUADRANGLE CATAWBA
QUOTE PRIMARY REFERENCE Lancaster Courthouse, 4.1 mi N. of.
(Direction and distance)

DESIGNATION { LISTED "TT 11 DS 1934 RESET 1971"
 STAMPED _____ TYPE OF MARK: BM X TT _____ TRIANG. _____

Lat. _____° _____'	CONDITION	ESTABLISHED BY	
Long. _____° _____'	Disturbed <input type="checkbox"/>	USGS <input checked="" type="checkbox"/>	USBR <input type="checkbox"/>
Elev. <u>557.574</u> feet	Destroyed <input type="checkbox"/>	USC&GS <input type="checkbox"/>	State GS <input type="checkbox"/>
	Not Found <input type="checkbox"/>	USNPS <input type="checkbox"/>	USNFS <input type="checkbox"/>
	RESET	USGLO <input type="checkbox"/>	(Other) <input type="checkbox"/>
		USBLM <input type="checkbox"/>	

REMARKS OR REVISED DESCRIPTION:
Lancaster Courthouse, 4.1 mi N. of, along U. S. Highway 521; 82 ft SW. of, and 3 ft higher than junction of hwy. and county rd. S-28; 44 ft SE. of centerline of county rd. S-28; in concrete post projecting 4-in.; standard tablet stamped "TT 11 DS 1934 RESET 1971"

(Horizontal position lost)

SUBMITTED BY Harry L. Zohn, Jr.
TITLE _____
AGENCY _____

DATE March 22, 1971

Marks found in good condition need not be reported.

FILL IN ALL AVAILABLE INFORMATION

NGVD 29
Elevations

Please prepare in triplicate and send to nearest address shown on reverse side.