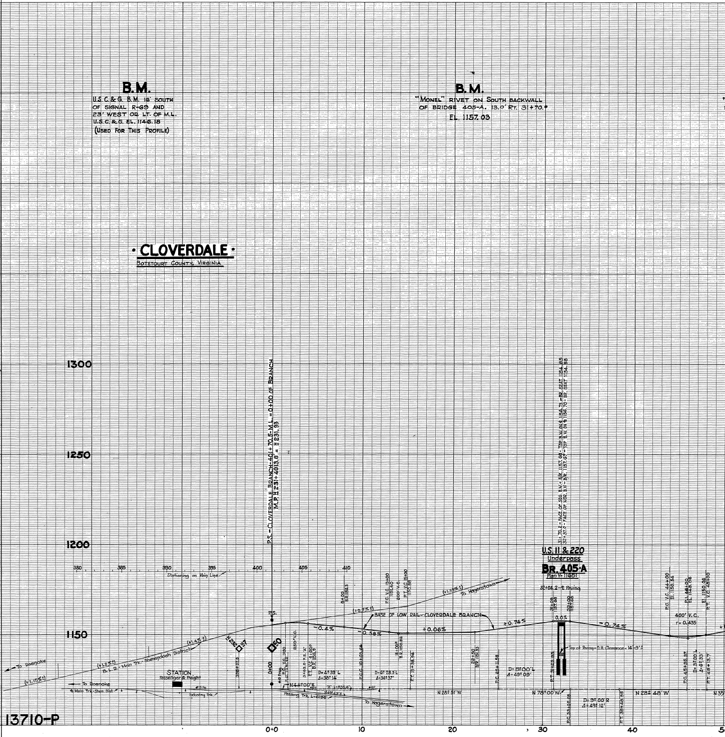
B.M.
U.S.C.&G. B.M. 18' SOUTH
OF SIGNAL R-69 AND
23' WEST OR LT. OF M.L.
U.S.C.&G. EL. 1146.18
(USED FOR THIS PROFILE)

B.M.
"MONEL" RIVET ON SOUTH BACKWALL
OF BRIDGE 405-A. 13.0' RT. 31+70.°
EL. 1157.03

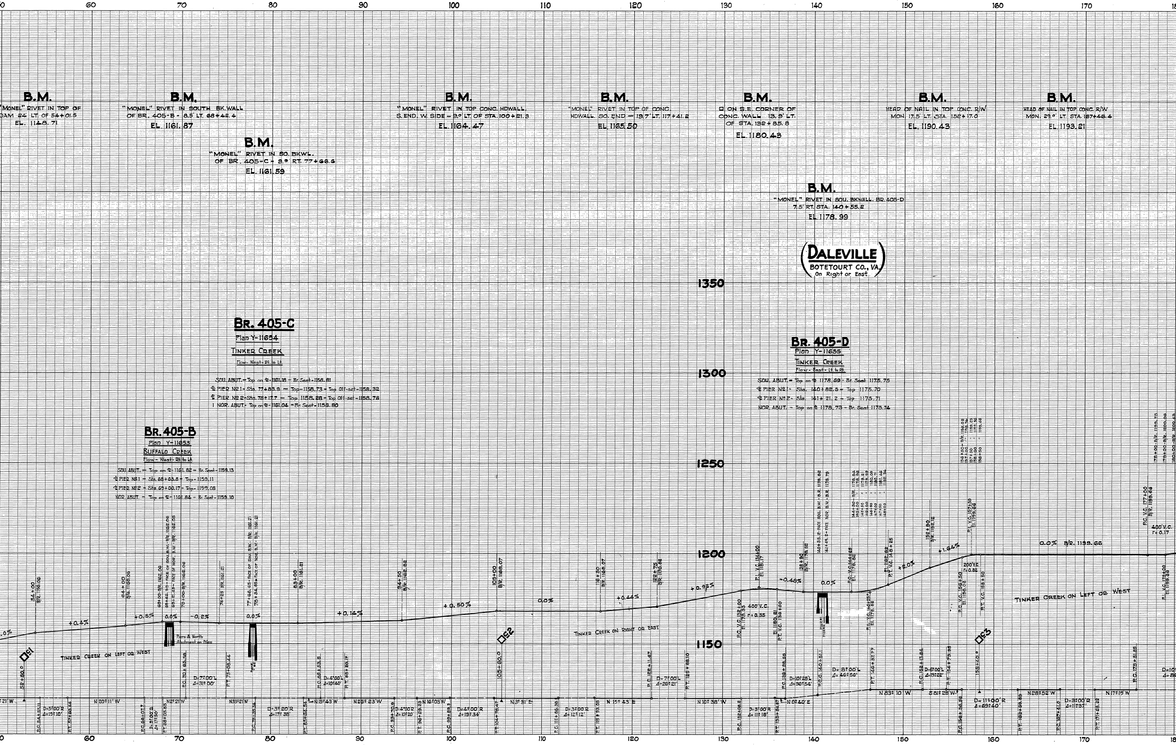
· CLOVERDALE ·

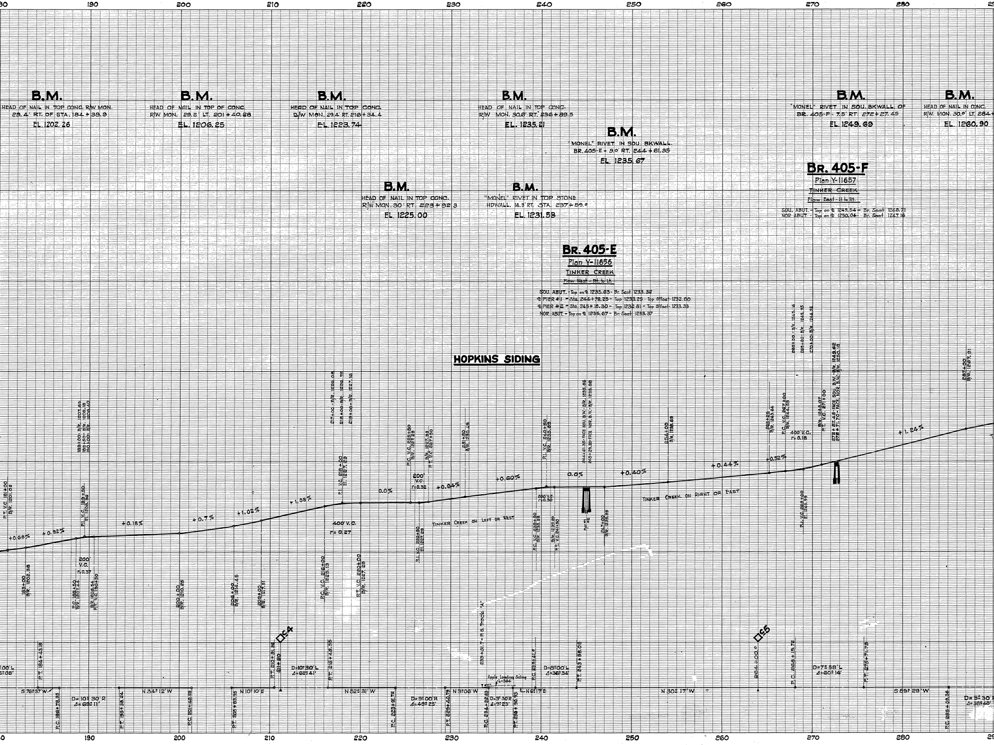
BOTETOURT COUNTY, VIRGINIA

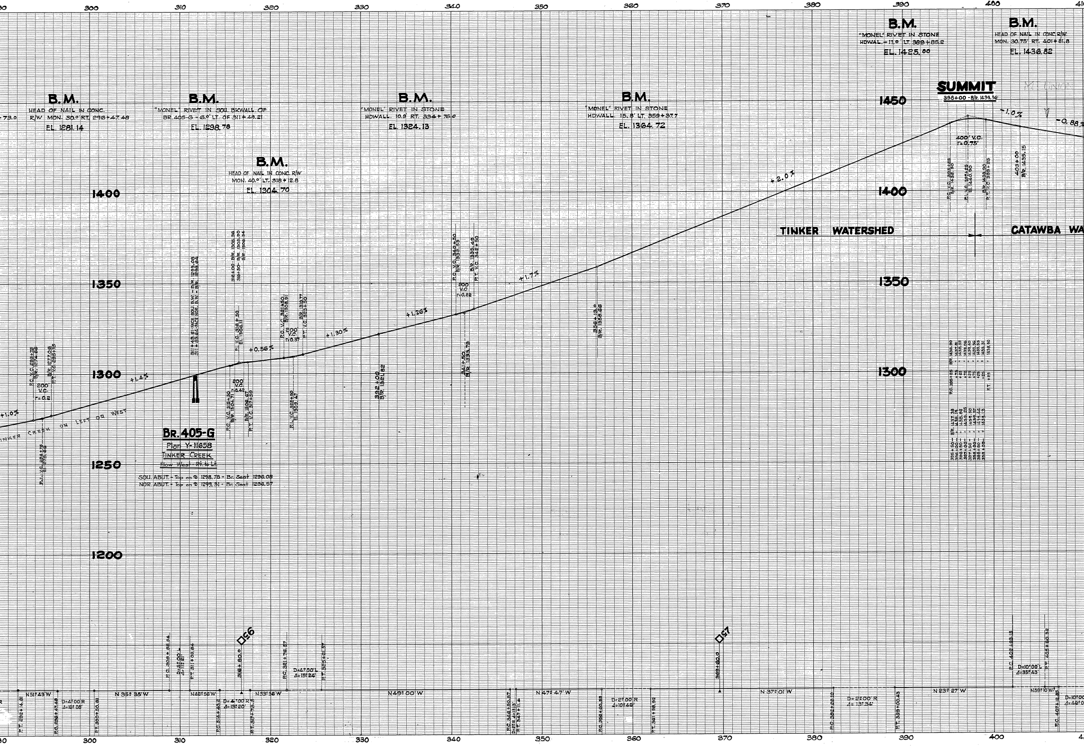


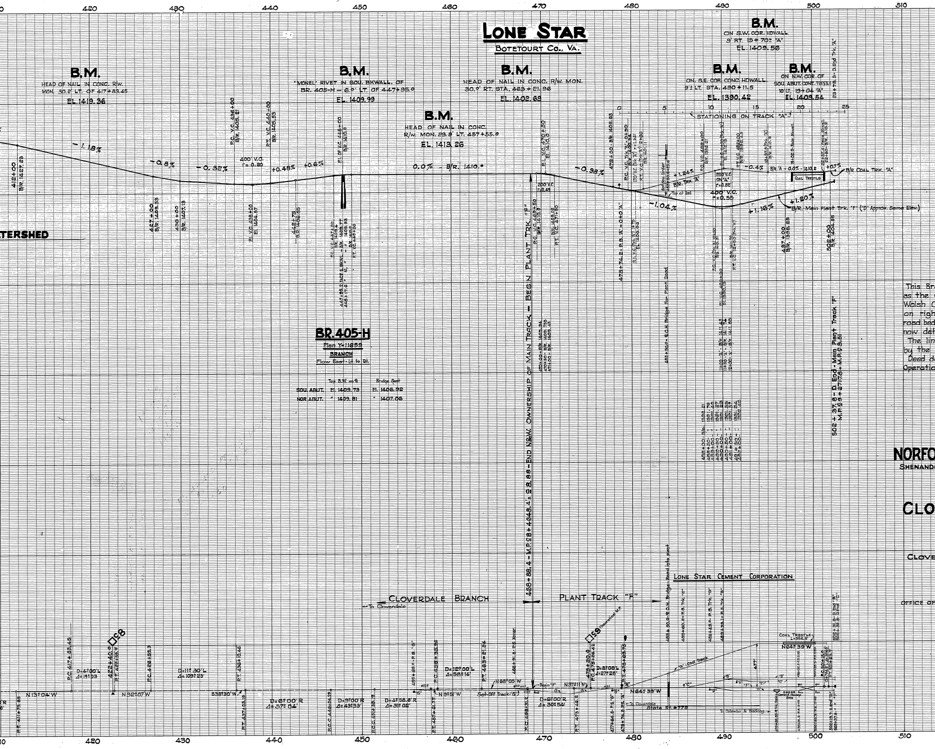
0+0
10
20
30
40
1300
1250
1200
1150
P.S.-CLOVERDALE BRANCH-401+70.5-M.L. =0+00 OF BRANCH
M.P. H 231+4913.8' = H 231.93
380
385
390
395
400
405
410
Stationing on Main Line
To Roanoke
(+1.15%±)
(+1.2%±)
B.L.R.-Main Trk.-Shenandoah District
(+1.4%±)
H 232
R7
398+07.3
STATION
Passenger & Freight
To Roanoke
℄ Main Trk.-Shen. Dist.
Industry Trk.
P.S.
60
0+00
+10 Frog
P.C. V.C. 1+50
P.C. 1+81.65
250' V.C.
3+63.6 P.S. 'A'
P.T. V.C. 4+00.0
B.R. 1155.9
D=4°39' L
Δ=38°14'
N44°00'E
'A' L=835.6'
N49°43'E
Passing Trk. L=6196'
To Hagerstown
8+00
B.R. 1154.3
(+0.7%±)
-0.4%
-0.58%
BASE OF LOW RAIL-CLOVERDALE BRANCH
P.C.C. 10+03.64
D=6°28.3' L
Δ=34°37'
P.C. V.C. 13+00
1151.40
200' V.C.
P.T. V.C. 15+00
1150.88
14+00
B.R. 1150.82
P.T. 15+38.94
(+1.55%±)
To Hagerstown
+0.06%
22+50
B.R. 1151.33
P.C. 25+11.58
D=8°00' L
Δ=49°09'
N 28° 51' W
+0.74%
31+70.2 - FACE OF SOU. B.W. - B/R. 1157.68 - TOP B.W. ON ℄ 1156.73 - BR. SEAT 1154.85
32+37.0 - FACE OF NOR. B.W. - B/R. 1157.67 - TOP B.W. ON ℄ 1156.70 - BR. SEAT 1154.85
U.S. 11 & 220
Underpass
BR. 405-A
Plan Y-11651
32+04.2-℄ Paving
31+08
1157.68
33+02
1157.68
0.0%
P.T. 31+25.95
Top of Paving-O.H. Clearance=14'-9"±
N 78° 00' W
P.C. 33+02.28
D=9°00' R
Δ=49°12'
P.T. 38+48.95
N 28° 48' W
-0.74%
P.C. V.C. 44+00
El. 1150.54
P.I. 46+00
EL. 1148.06
El. 1150.06
P.T. V.C. 48+00
400' V.C.
r=0.435
P.C. 45+35.37
D=3°00' L
Δ=6°33'
P.T. 48+13.7
N 35°

13710-P


60
70
80
90
100
110
120
130
140
150
160
170
B.M.
"MONEL" RIVET IN TOP OF
DAM 24 LT. OF 54+01.5
EL. 1148.71
B.M.
"MONEL" RIVET IN SOUTH BK. WALL
OF BR. 405-B - 8.5' LT. 68+42.4
EL. 1161.87
B.M.
"MONEL" RIVET IN SO. BKWL.
OF BR. 405-C - 9.0' RT. 77+66.6
EL. 1161.59
B.M.
"MONEL" RIVET IN TOP CONC. HDWALL.
S. END. W. SIDE - 9.0' LT. OF STA. 100+21.3
EL. 1164.47
B.M.
"MONEL" RIVET IN TOP OF CONC.
HDWALL. SO. END - 19.7' LT. 117+41.2
EL. 1165.50
B.M.
□ ON S.E. CORNER OF
CONC. WALL 13.9' LT.
OF STA. 132+85.8
EL. 1180.43
B.M.
HEAD OF NAIL IN TOP CONC. R/W
MON. 17.5' LT. STA. 152+17.0
EL. 1190.43
B.M.
HEAD OF NAIL IN TOP CONC. R/W
MON. 29.0' LT. STA. 167+46.4
EL. 1193.21
B.M.
"MONEL" RIVET IN SOU. BKWALL. BR. 405-D
7.5' RT. STA. 140+55.2
EL. 1178.99
DALEVILLE
BOTETOURT CO., VA.
On Right or East.
1350
1300
1250
1200
1150
BR. 405-C
Plan Y-11654
TINKER CREEK
Flow - West - Rt. to Lt.
SOU. ABUT. - Top on ℄ - 1161.18 - Br. Seat - 1158.81
℄ PIER No 1 - Sta. 77+83.9 - Top - 1158.73 - Top Off-set - 1158.32
℄ PIER No 2 - Sta. 78+17.7 - Top 1158.28 - Top Off-set - 1158.78
NOR. ABUT. - Top on ℄ - 1161.04 - Br. Seat - 1158.80
BR. 405-D
Plan Y-11655
TINKER CREEK
Flow - East - Lt. to Rt.
SOU. ABUT. - Top on ℄ 1178.69 - Br. Seat 1175.75
℄ PIER No 1 - Sta. 140+82.5 - Top 1175.70
℄ PIER No 2 - Sta. 141+21.2 - Top 1175.71
NOR. ABUT. - Top on ℄ 1178.73 - Br. Seat 1175.74
BR. 405-B
Plan Y-11653
BUFFALO CREEK
Flow - West - Rt. to Lt.
SOU. ABUT. - Top on ℄ - 1161.82 - Br. Seat - 1159.13
℄ PIER No 1 - Sta. 68+63.8 - Top - 1159.11
℄ PIER No 2 - Sta. 69+00.17 - Top - 1159.08
NOR. ABUT. - Top on ℄ - 1161.84 - Br. Seat - 1159.10
54+00 B/R 1156.06
64+00 B/R 1160.06
70+00 B/R 1162.06
74+25 B/R 1161.21
83+00 B/R 1161.21
94+50 B/R 1162.82
105+00 B/R 1168.07
116+50 B/R 1168.07
122+75 B/R 1170.84
138+90 B/R 1176.86
152+90 B/R 1192.12
P.C. V.C. 177+00 B/R 1199.66
.0%
+0.4%
+0.5%
0.0%
-0.2%
0.0%
+0.14%
+0.50%
0.0%
+0.44%
+0.32%
-0.48%
0.0%
+2.0%
+1.64%
0.0% B/R. 1199.66
400' V.C. r = 0.35
200' V.C. r = 0.82
400' V.C. r = 0.17
P.C. V.C. 132+00 El. 1173.33
El. 1180.81 P.T. V.C. 136+00
P.T. V.C. 158+50
Piers & North Abutment on Piles
Pier #1
Pier #2
TINKER CREEK ON LEFT OR WEST
TINKER CREEK ON RIGHT OR EAST
TINKER CREEK ON LEFT OR WEST
□ No 1
52+80.0
□ No 2
105+60.0
□ No 3
158+40.0
21' W.
P.C. 54+57.11
D=5°00' R
Δ=15°10'
P.T. 57+60.64
N 20°11' W
P.C. 66+07.7
D=5°00' R
Δ=17°50'
P.T. 68+05.85
N 2°21' W
P.C. 70+63.58
D=7°00' L
Δ=31°00'
P.T. 75+08.44
N 33°21' W
P.C. 78+35.34
D=3°20' R
Δ=17°38'
P.T. 83+64.34
N 15°43' W
P.C. 85+53.5
D=4°00' L
Δ=10°40'
P.T. 88+20.17
N 26°23' W
P.C. 93+70.9
D=4°00' R
Δ=10°20'
P.T. 96+29.23
N 16°03' W
P.C. 99+89.3
D=4°00' R
Δ=19°34'
P.T. 104+78.47
N 3°31' E
P.C. 111+86.38
D=3°00' R
Δ=12°12'
P.T. 115+93.05
N 15°43' E
P.C. 122+11.67
D=7°00' L
Δ=26°21'
P.T. 125+88.10
N 10°38' W
P.C. 132+08.2
D=3°00' R
Δ=11°18'
P.T. 135+84.87
N 0°40' E
P.C. 136+38.55
D=10°28' L
Δ=30°54'
P.C.C. 140+51.1
D=8°00' L
Δ=46°56'
P.T. 146+37.77
N 83°10' W
P.C. 152+17.84
D=6°00' L
Δ=15°22'
P.T. 154+73.95
S 81°28' W
P.C. 156+36.56
D=11°00' R
Δ=69°40'
P.T. 162+69.89
N 28°52' W
P.C. 167+41.0
D=3°00' R
Δ=11°37'
P.T. 171+28.28
N 17°15' W
P.C. 175+81.85


190
200
210
220
230
240
250
260
270
280
B.M.
HEAD OF NAIL IN TOP CONC. R/W MON.
29.4' RT. OF STA. 184 + 39.9
EL. 1202.26
B.M.
HEAD OF NAIL IN TOP OF CONC.
R/W MON. 29.2' LT. 201 + 40.28
EL. 1206.25
B.M.
HEAD OF NAIL IN TOP CONC.
R/W MON. 29.4' RT. 216 + 34.4
EL. 1223.74
B.M.
HEAD OF NAIL IN TOP CONC.
R/W MON. 30' RT. 223 + 92.3
EL. 1225.00
B.M.
HEAD OF NAIL IN TOP CONC.
R/W MON. 30.6' RT. 236 + 89.5
EL. 1235.21
B.M.
"MONEL" RIVET IN TOP STONE
HDWALL. 14.3' RT. STA. 237 + 59.0
EL. 1231.53
B.M.
"MONEL" RIVET IN SOU. BKWALL.
BR. 405-E - 9.0' RT. 244 + 61.35
EL. 1235.67
B.M.
"MONEL" RIVET IN SOU. BKWALL OF
BR. 405-F - 7.5' RT. 272 + 27.45
EL. 1249.69
B.M.
HEAD OF NAIL IN CONC.
R/W. MON. 30.0' LT. 284+
EL. 1260.90
BR. 405-E
Plan Y-11656
TINKER CREEK
Flow West - Rt. to Lt.
SOU. ABUT. - Top on ℄ 1235.63 - Br. Seat 1233.32
℄ PIER #1 - Sta. 244+78.25 - Top 1233.25 - Top Offset 1232.80
℄ PIER #2 - Sta. 245+18.30 - Top 1232.81 - Top Offset 1233.33
NOR. ABUT. - Top on ℄ 1235.67 - Br. Seat 1233.37
BR. 405-F
Plan Y-11657
TINKER CREEK
Flow East - Lt. to Rt.
SOU. ABUT. - Top on ℄ 1249.54 - Br. Seat 1246.71
NOR. ABUT. - Top on ℄ 1250.04 - Br. Seat 1247.16
HOPKINS SIDING
P.T. V.C. 181+00 B/R. 1201.02
183+00 B/R. 1202.38
188+00 B/R. 1207.65
189+50 B/R. 1208.18
190+00 B/R. 1208.40
P.I. V.C. 189+50 El. 1208.36
P.C. 188+50 B/R. 1207.44
B/R. 1208.54 P.T. V.C. 190+50
200' V.C. r=0.37
200+00 B/R. 1210.25
206+00 B/R. 1214.45
209+00 B/R. 1217.51
P.C. V.C. 216+00 B/R. 1225.13
P.I. V.C. 218+00 El. 1227.89
P.T. V.C. 220+00 B/R. 1227.29
217+00 B/R. 1226.08
218+00 B/R. 1226.75
219+00 B/R. 1227.16
400' V.C. r= 0.27
P.C. V.C. 225+50 B/R. 1227.29
P.I. V.C. 226+50 El. 1227.29
B/R. 1227.93 P.T. V.C. 227+50
200' V.C. r=0.32
231+50 B/R. 1230.49
P.C. V.C. 239+50 B/R. 1235.28
P.I. V.C. 240+50 B/R. 1235.89
B/R. 1235.89 P.T. V.C. 241+50
200' V.C. r=0.30
244+61.35 - FACE SOU. B.W. - B/R. 1235.86
245+29.20 - FACE NOR. B.W. - B/R. 1235.88
Pier #1 #2
247+00 B/R. 1235.89
254+00 B/R. 1238.68
265+25 B/R. 1243.64
P.C. V.C. 267+00 B/R. 1244.55
400' V.C. r= 0.18
P.I. V.C. 269+00 El. 1245.59
268+00 - B/R. 1245.16
269+00 - B/R. 1245.95
270+00 - B/R. 1246.92
P.T. V.C. 271+00 B/R. 1248.07
272+27.45 FACE SOU. B.W. - B/R. 1249.62
272+71.70 FACE NOR. B.W. - B/R. 1250.18
287+00 B/R. 1267.91
+0.68%
+0.92%
+0.18%
+0.7%
+1.02%
+1.08%
0.0%
+0.64%
+0.60%
0.0%
+0.40%
+0.44%
+0.52%
+1.24%
TINKER CREEK ON LEFT OR WEST
TINKER CREEK ON RIGHT OR EAST
°00' L
°08'
P.T. 184+43.18
S 76° 37' W
P.C. 186+79.35
D= 10° 30' R
Δ= 69° 11'
P.T. 193+38.24
N 34° 12' W
P.C. 201+40.28
P.T. 205+85.95
N 10° 10' E
P.T. 210+51.36
211+80
C4
D=10° 30' L
Δ=62° 41'
P.T. 216+48.35
N 52° 31' W
P.C. 223+91.72
D= 9° 00' R
Δ= 49° 25'
P.T. 229+40.79
N 3° 06' W
233+51.7 - P.S. Track "A"
Apple Loading Siding
L=384
P.C. 234+22.83
D=3° 30' R
Δ=9° 23'
P.T. 236+90.93
N 6° 17' E
P.C. 239+41.0
D=8° 00' L
Δ=36° 34'
P.T. 243+98.09
N 30° 17' W
264+00.0
C5
P.C. 268+15.72
D=7° 58' L
Δ=60° 14'
P.T. 275+71.79
S 89° 29' W
P.C. 285+09.36
D= 5° 30' R
Δ=38° 48'


300
310
320
330
340
350
360
370
380
390
400
B.M.
HEAD OF NAIL IN CONC.
R/W MON. 30.0' RT. 296+47.48
EL. 1281.14
B.M.
"MONEL" RIVET IN SOU. BKWALL OF
BR. 405-G - 6.0' LT. OF 311+49.21
EL. 1298.78
B.M.
HEAD OF NAIL IN CONC. R/W
MON. 40.0' LT. 318+12.8
EL. 1304.70
B.M.
"MONEL" RIVET IN STONE
HDWALL. 10.9' RT. 334+76.0
EL. 1324.13
B.M.
"MONEL" RIVET IN STONE
HDWALL. 15.8' LT. 359+37.7
EL. 1364.72
B.M.
"MONEL" RIVET IN STONE
HDWAL.-11.0' LT. 389+85.2
EL. 1425.00
B.M.
HEAD OF NAIL IN CONC. R/W.
MON. 30.75' RT. 401+81.8
EL. 1436.82
SUMMIT
398+00 - B/R. 1439.56
1450
1400
1350
1300
1250
1200
+1.0%
+1.4%
+0.56%
+1.30%
+1.26%
+1.7%
+2.0%
-1.0%
-0.88%
TINKER CREEK ON LEFT OR WEST
200 V.C. r=0.2
200 V.C. r=0.42
200 V.C. r=0.37
200 V.C. r=0.22
400' V.C. r=0.75'
311+49.21-FACE SOU. B.W. - B/R. 1299.08
311+85.64-FACE NOR. B.W. - B/R. 1299.64
316+00 - B/R. 1305.36
316+50 - B/R. 1305.90
B/R. 1306.34
P.I. V.C. 316+50 El. 1306.11
P.C. V.C. 315+50 B/R. 1304.71
B/R. 1306.67 P.T. V.C. 317+50
P.C. V.C. 321+50 B/R. 1308.91
B/R. 1310.77 P.T. V.C. 323+50
P.I. V.C. 322+50 El. 1309.47
332+00 B/R. 1321.82
P.C. V.C. 340+50 B/R. 1332.53
B/R. 1335.49 P.T. V.C. 342+50
341+50 B/R. 1333.79
356+13.0 B/R. 1358.66
P.C. V.C. 395+25 B/R. 1436.90
P.I. V.C. 397+25 B/R. 1440.90
B/R. 1439.90 P.T. V.C. 399+25
403+00 B/R. 1435.15
TINKER WATERSHED
CATAWBA WA
BR. 405-G
Plan Y-11658
TINKER CREEK
Flow West - Rt. to Lt.
SOU. ABUT. - Top on ℄ 1298.78 - Br. Seat 1296.08
NOR. ABUT. - Top on ℄ 1299.31 - Br. Seat 1296.57
P.T. 292+14.81
N51° 43' W
P.C. 296+47.48
D=4°00' R
Δ=16° 08'
P.T. 300+50.81
N 35° 35' W
P.C. 308+88.84
D=5° 00' L
Δ=11° 21'
P.T. 311+03.84
N46° 56' W
P.C. 314+40.2
D=4° 00' R
Δ=13° 20'
316+80.0
S6
P.T. 317+73.5
N33° 36' W
P.C. 321+76.57
D=4° 00' L
Δ=15° 24'
P.T. 325+61.57
N49° 00' W
P.C. 346+50.57
D=2° R Δ=1° 13'
P.T. 347+11.4
N 47° 47' W
P.C. 356+60.38
D=2° 00' R
Δ=10° 46'
P.T. 361+98.92
369+60.0
S7
N 37° 01' W
P.C. 382+28.10
D=2° 00' R
Δ=13° 34'
P.T. 389+00.43
N 23° 27' W
P.C. 402+03.15
D=10° 00' L
Δ=35° 43'
P.T. 405+60.32
N59° 10' W
P.C. 407+18.85
D=10° 00
Δ=46° 0


LONE STAR
BOTETOURT CO., VA.
B.M.
HEAD OF NAIL IN CONC. R/W. MON. 30.2' LT. OF 417+83.45
EL. 1419.36
B.M.
"MONEL" RIVET IN SOU. BKWALL. OF BR. 405-H – 6.0' LT. OF 447+95.0
EL. 1409.99
B.M.
HEAD OF NAIL IN CONC. R/W. MON. 30.9' RT. STA. 463+21.96
EL. 1402.69
B.M.
HEAD OF NAIL IN CONC. R/W. MON. 29.9' LT. 457+55.0
EL. 1413.26
B.M.
ON S.W. COR. HDWALL. 9' RT. 15+70± "A"
EL. 1409.56
B.M.
ON. S.E. COR. CONC. HDWALL. 9'± LT. STA. 490+11.5
EL. 1390.42
B.M.
ON N.W. COR. OF SOU. ABUT. CONC. TRESTLE 10' LT. 19+04 "A"
EL. 1409.54
STATIONING ON TRACK "A"
-1.18%
-0.8%
-0.32%
+0.48%
+0.6%
0.0% – B/R. 1410.°
-0.98%
-1.04%
+1.16%
+1.20%
B/R. Main Plant Trk. "F" ("D" Approx. Same Elev.)
B/R COAL TRK. "A"
TERSHED
468+88.4 – M.P. 28+4648.4 = 28.88 – END N&W OWNERSHIP OF MAIN TRACK – BEGIN PLANT TRK. "F"
502+37.8 – D. End – Main Plant Track "F"
CLOVERDALE BRANCH
To Cloverdale
PLANT TRACK "F"
LONE STAR CEMENT CORPORATION
Set-Off Track "G"
"A" Coal Track
COAL TRESTLE L=354.5'
N64° 39' W
State Rt. #779
To Catawba & Blacksbg.
Theoretical M.P.
D=12°00' L Δ=58°14'
D=8°00' L Δ=27°28'
D=6°00' R Δ=30°54'
D=9°00' R Δ=43°33'
D=4°58.0' R Δ=31°02'
D=6°00' R Δ=57°04'
D=4°00' L Δ=19°03'
D=11°30' L Δ=109°23'
N 13°04' W
N 32°07' W
S 38°30' W
N 9°51' W
N 68°05' W
N 37°11' W
420
430
440
450
460
470
480
490
500
510

BR. 405-H

Plan Y-11659

BRANCH

Flow East - Lt. to Rt.

	Top B.W. on ℄	Bridge Seat
SOU. ABUT.	El. 1409.73	El. 1406.92
NOR. ABUT.	" 1409.81	" 1407.06

NOTE:-

This Branch was constructed in 1950-1951 as the Cloverdale and Catawba R.R. by Walsh Construction Company, Contractors, on right-of-way and partly completed road bed (with some exceptions) of the now defunct Cloverdale & Catawba Furnace R.R.

The line (as constructed) was purchased by the N. and W. Ry. Co. under P.A. 13963.

Deed dated Jan. 12, 1951, C.E. DB. 95, P. 77

Operation of Branch by N. and W. began Jan. 19, 1951.

C.E. FILE 47599 #3

NORFOLK AND WESTERN RY. CO.

SHENANDOAH DIVISION - SHENANDOAH DISTRICT

PROFILE OF
CLOVERDALE BRANCH

M.P. H 231+4913.9'

CLOVERDALE, BOTETOURT CO., VA.

Scales
HORIZ. 1"=400' – VERT. 1"=20'

OFFICE OF CHIEF ENGINEER, ROANOKE, VA. AUG. 1, 1951.

FROM RECORD SURVEY NOTES
FILED #13710-G

TRIM

13710-P