



**NORFOLK
SOUTHERN**

Virginia Division

2001

VIRGINIA DIVISION

VA

MD

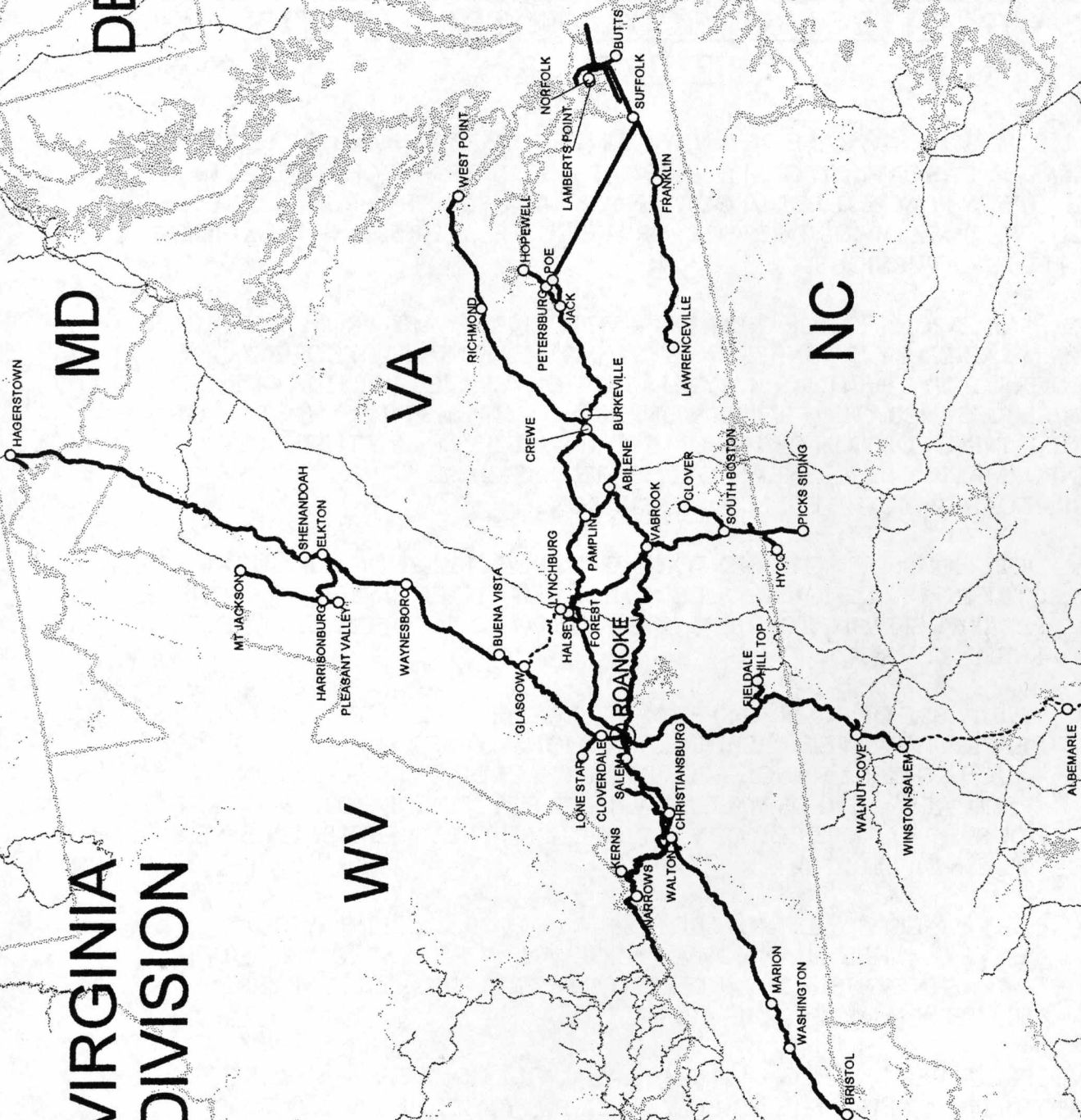
DE

NC

WV

KY

TN



2001 CHANGES

A NUMBER OF CHANGES HAVE TAKEN PLACE WHICH WILL AFFECT THE LOOK AND PRESENTATION OF THIS BOOK.

(1) THE FIRST PHASE OF A NEW GIS (*GEOGRAPHICAL INFORMATION SYSTEM*) BASED PLATFORM FOR CREATING THE TRACK CHART DIAGRAMS IS NOW IN PLACE. IT WILL LOOK VERY SIMILAR TO THE PREVIOUS SYSTEM BUT WILL ALLOW US TO INCORPORATE NEW FEATURES AND FLEXIBILITY IN FUTURE VERSIONS.

(2) PREVIOUS TRACK CHARTS HAVE BEEN CREATED FROM DATA FILES MAINTAINED BY ENGINEERING SYSTEMS. BEGINNING WITH THE 2001 BOOKS ONLY THE TRACK LAYOUT SECTION (CENTER PORTION OF PAGE) WILL BE GENERATED FROM ENGINEERING SYSTEMS FILES. MOST OF THE REMAINING PORTION OF THE DIAGRAM WILL BE CREATED FROM INFORMATION IN THE NEW CORPORATE DATABASE (CTRK). THIS IS SIGNICANT FOR THE FOLLOWING REASONS:

- QUESTIONS, UPDATE AND CORRECTION INFORMATION RELATED TO CTRK INFORMATION SHOULD NOT BE SENT TO ENGINEERING SYSTEMS. PLEASE REFER TO THE OPPOSITE PAGE FOR CONTACT SOURCES FOR THESE ITEMS.
- TIMETABLE OPERATING SPEEDS WILL CONTINUE TO BE DISPLAYED AS BEFORE. HOWEVER, SPEED RESTRICTIONS (OTHER THAN CURVE) WHICH COVER A RANGE WILL BE DISPLAYED AS THE OPERATING SPEED. ALSO, SPEEDS WILL NOW BE DISPLAYED FOR BOTH MAINS IN DOUBLE TRACK TERRITORY. (PREVIOUSLY THEY WERE SUPPRESSED UNLESS DIFFERENT)
- CURVE SPEEDS WILL NOW BE DISPLAYED FOR EACH INDIVIDUAL CURVE (RATHER THAN FOR A RANGE) AND WILL DISPLAY FOR BOTH TRACKS IN DOUBLE MAIN TERRITORY. (PREVIOUSLY THEY WERE SUPPRESSED UNLESS DIFFERENT)

NOTE: CURVES ON SECOND MAIN TRACK WILL CONTINUE TO BE A COPY OF THE FIRST MAIN. THE ABILITY TO DISPLAY SECOND MAIN CURVES WILL BE INCORPORATED AS SOON AS POSSIBLE.

THIS BOOK IS INTENDED FOR GENERAL REFERENCE ONLY

THIS BOOK IS PREPARED AND PUBLISHED BY THE OFFICE OF ENGINEERING SYSTEMS-ATLANTA AND IS BASED ON INFORMATION CONTAINED IN TWO DISTINCT DATABASE SOURCE FILES, (1) THE ENGINEERING SYSTEMS DATA FILE AND (2) THE CORPORATE TRACK DATABASE FILE (CTRK).

ENGINEERING SYSTEMS DATABASE:

ENGINEERING SYSTEMS MAINTAINS A DEPARTMENTAL DATABASE, WHICH IS USED TO GENERATE THE TRACK LAYOUT SECTION OR CENTER PORTION OF THE TRACK CHART DIAGRAM. QUESTIONS OR INFORMATION CONCERNING CHANGES, CORRECTIONS, ADDITIONS, OR DELETIONS TO THIS SECTION SHOULD BE DIRECTED TO THE ENGINEERING SYSTEMS OFFICE AS FOLLOWS.

**MAIL: ENGINEERING SYSTEMS
 99 SPRING ST. SW BOX # 139
 ATLANTA, GA 30303**

FAX: (404) 529-1311

MEMO: JCELLIOT PH. 529-1315

CTRK-NS CORPORATE DATABASE:

INFORMATION RELATED TO RAIL, T&S, SURFACING, CURVES, ELEVATION, SPEEDS AND SPEED RESTRICTIONS IS OBTAINED FROM THE CTRK DATABASE. VARIOUS DEPARTMENTS OWN AND MAINTAIN THESE FILES. QUESTIONS OR INFORMATION CONCERNING CHANGES, CORRECTIONS, ADDITIONS, OR DELETIONS TO THESE RECORDS SHOULD BE DIRECTED AS FOLLOWS:

**RAIL, T&S, SURFACING: MW&S DEPT.
 E.P.HATTEN, ASST. MGR. PROG & SCHD.
 MEMO: EPHATTEN PH. 529-1456**

**CURVES, ELEVATIONS
AND CURVE SPEEDS: MW&S DEPT
 A.I.PATEL, SYSTEM TRACK ANALYST
 MEMO: AIPATEL PH. 527-2513**

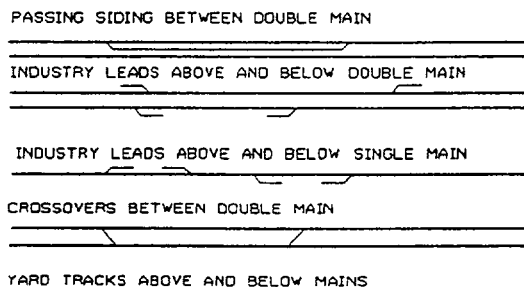
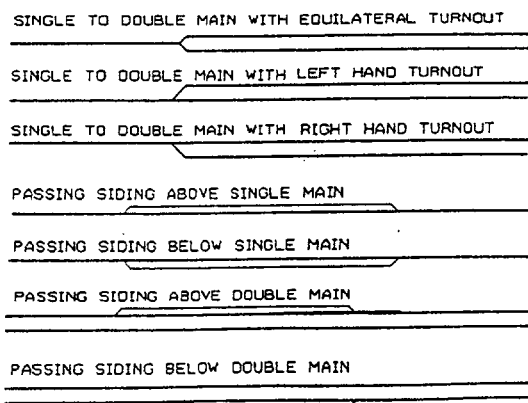
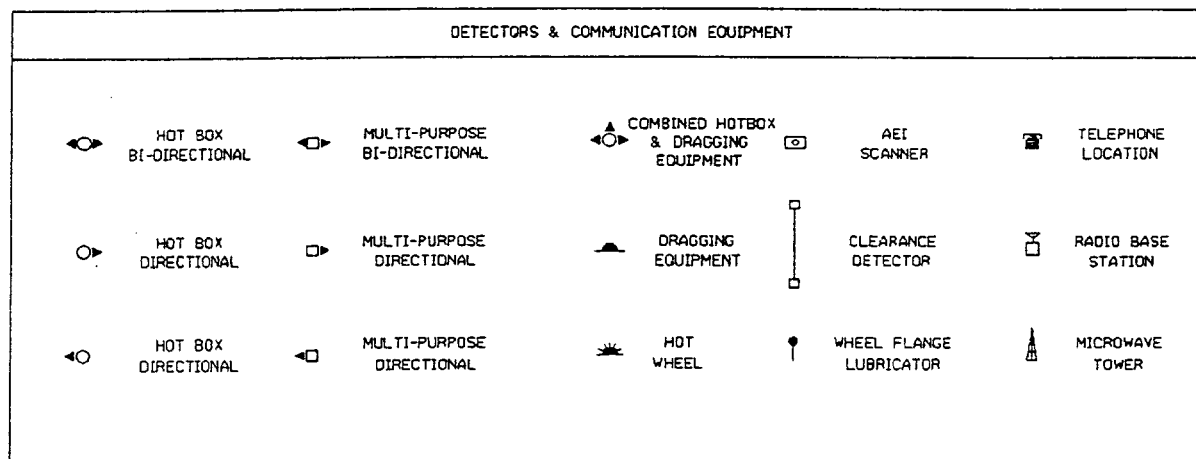
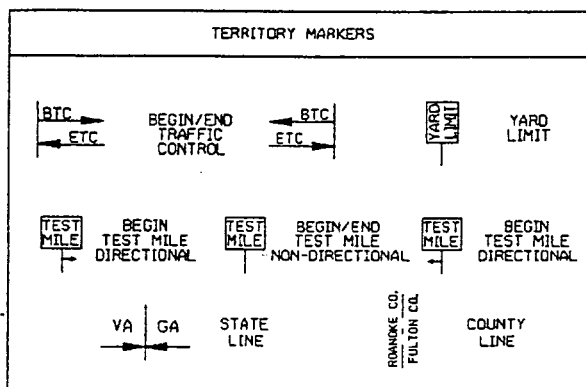
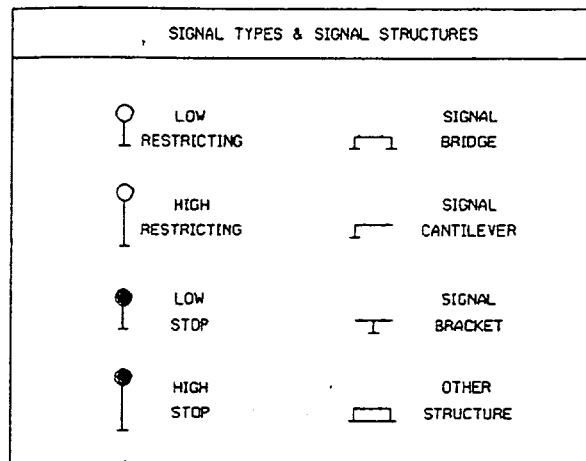
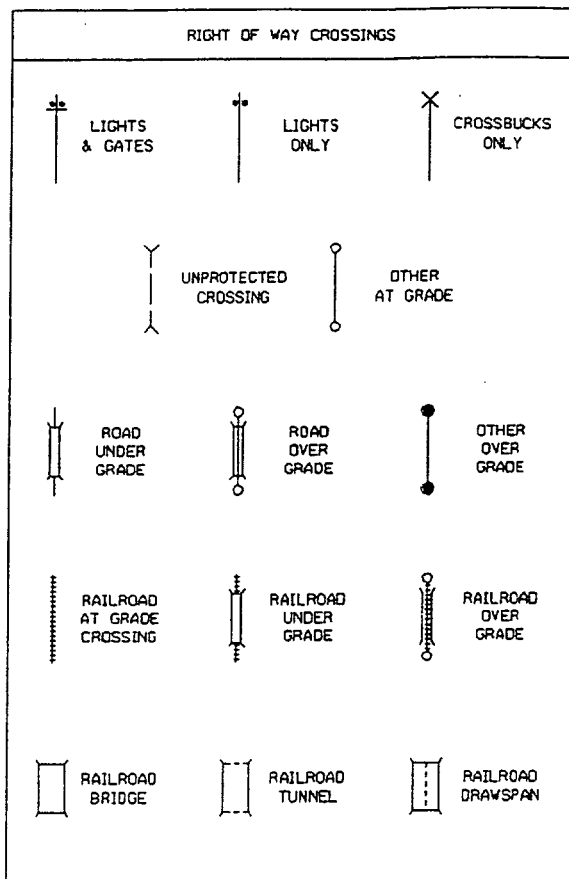
**OPERATING SPEEDS AND
SPEED RESTRICTIONS: TRANSPORTATION DEPT.
 K.L.RICKS, SYSTEM MGR TRANS.
 MEMO: KLRICKS PH. 529-2298**

VIRGINIA DIVISION

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TRACK CHART SYMBOL LEGEND



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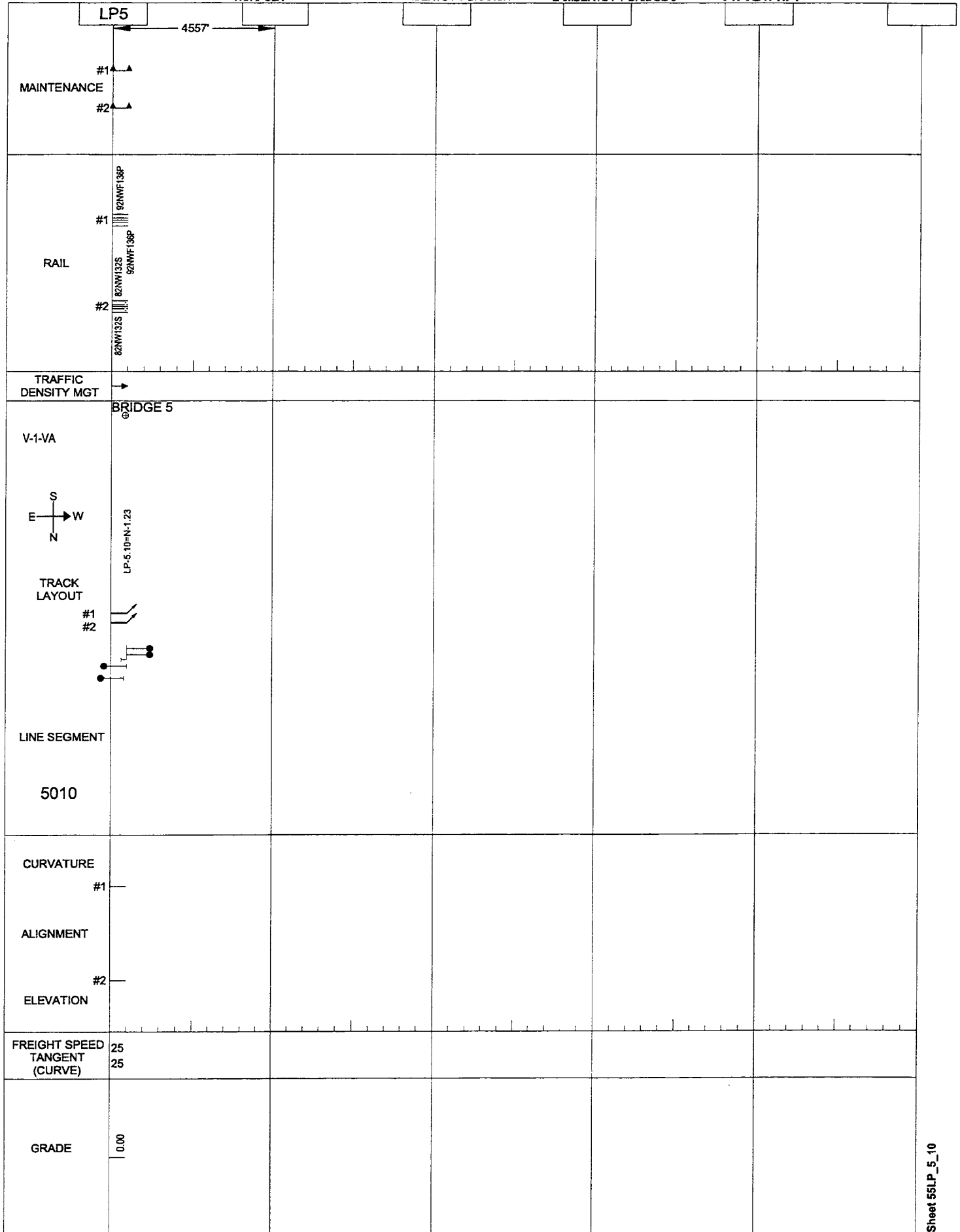
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NORFOLK

LAMBERTS PT BRANCH

LAMBERTS PT-BRIDGE 5

VIRGINIA

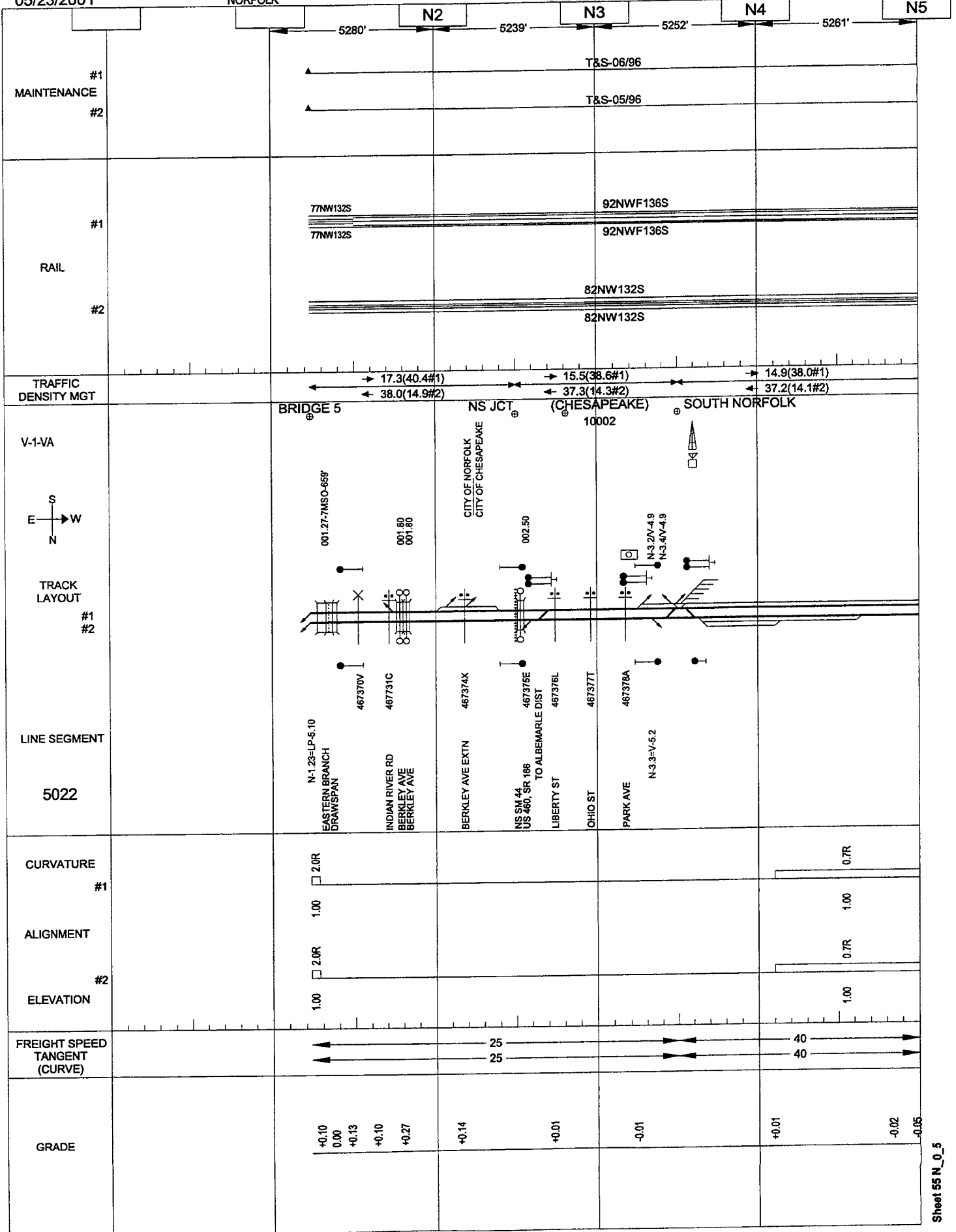


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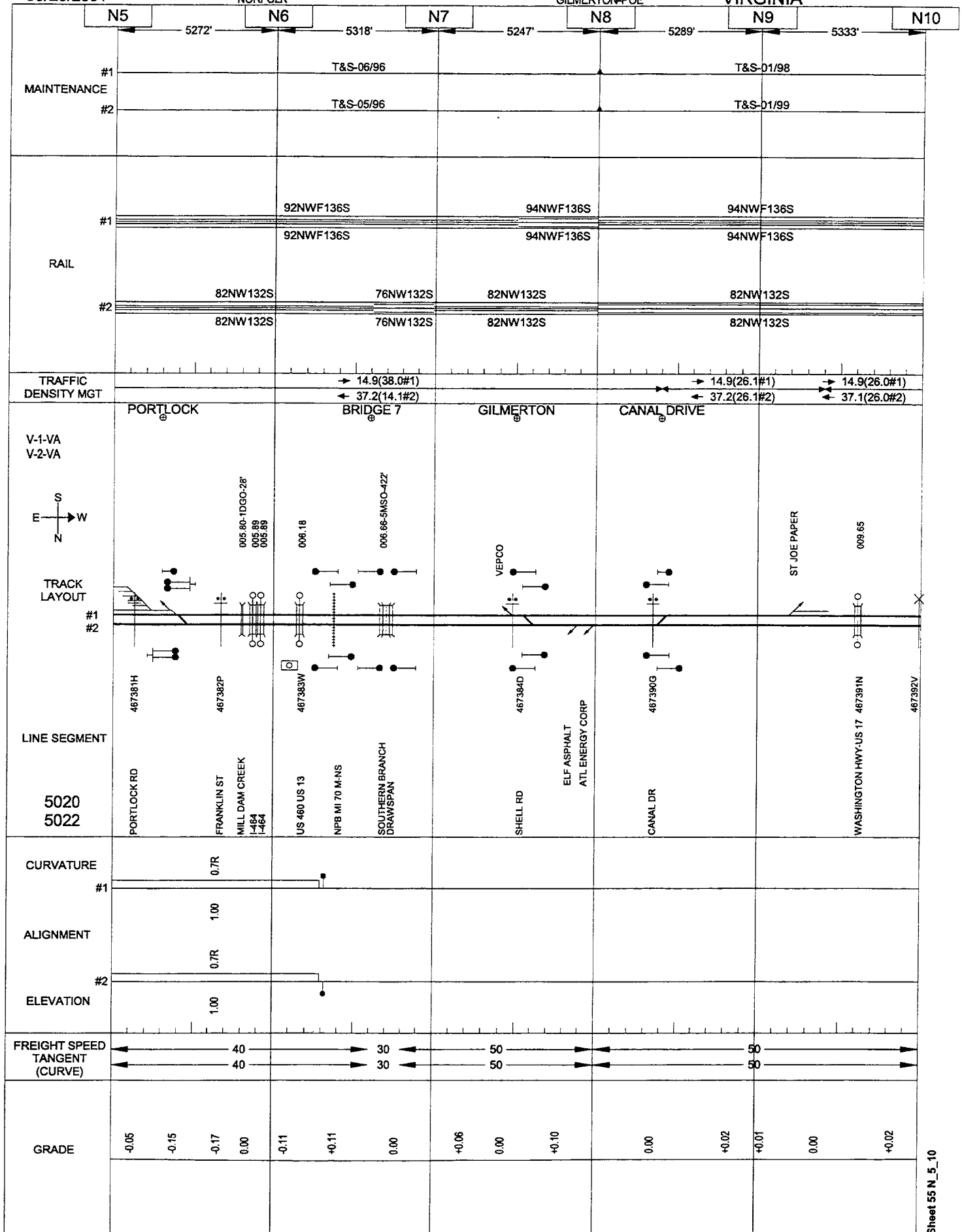


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NORFOLK

GILMERTON-POE

VIRGINIA



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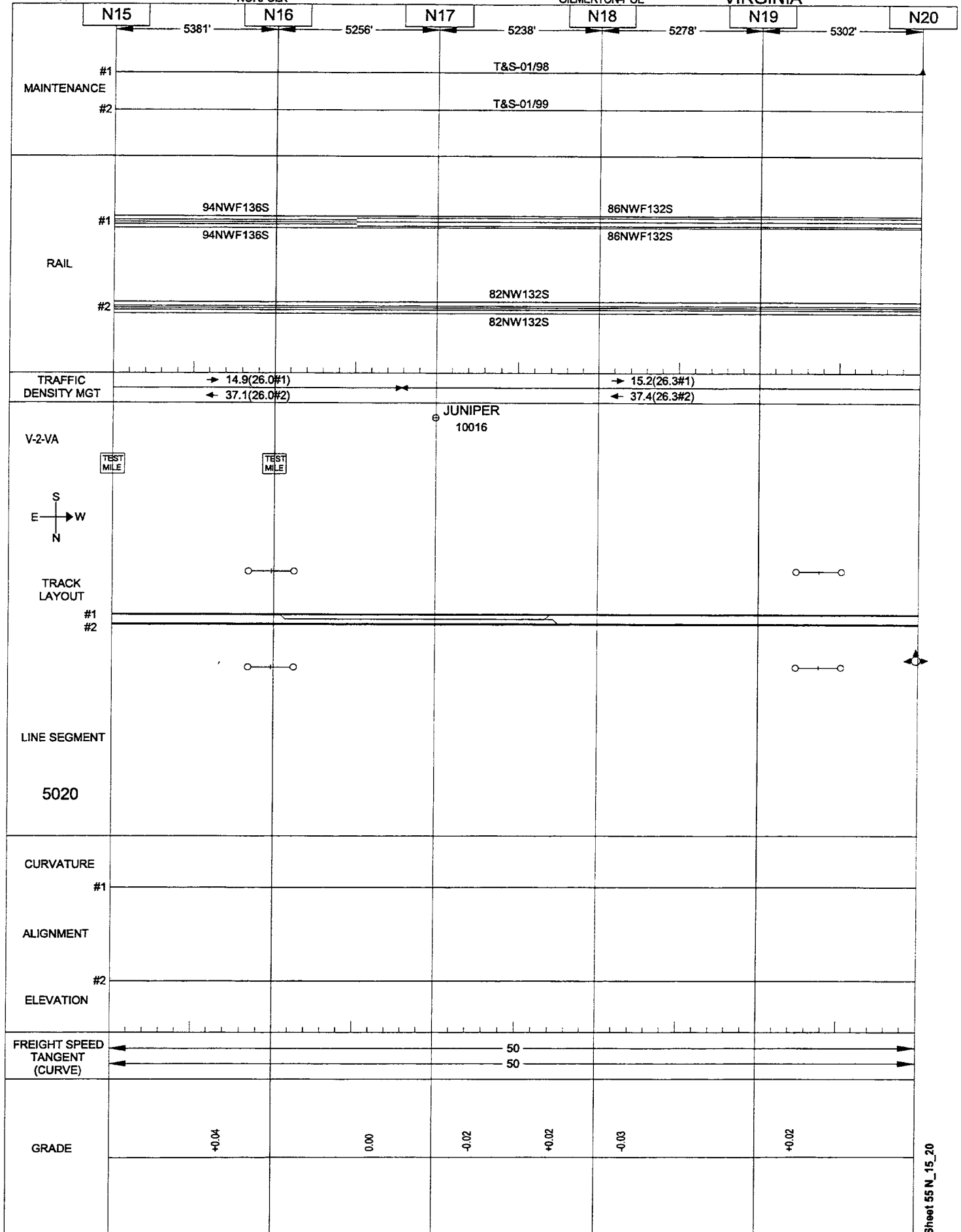
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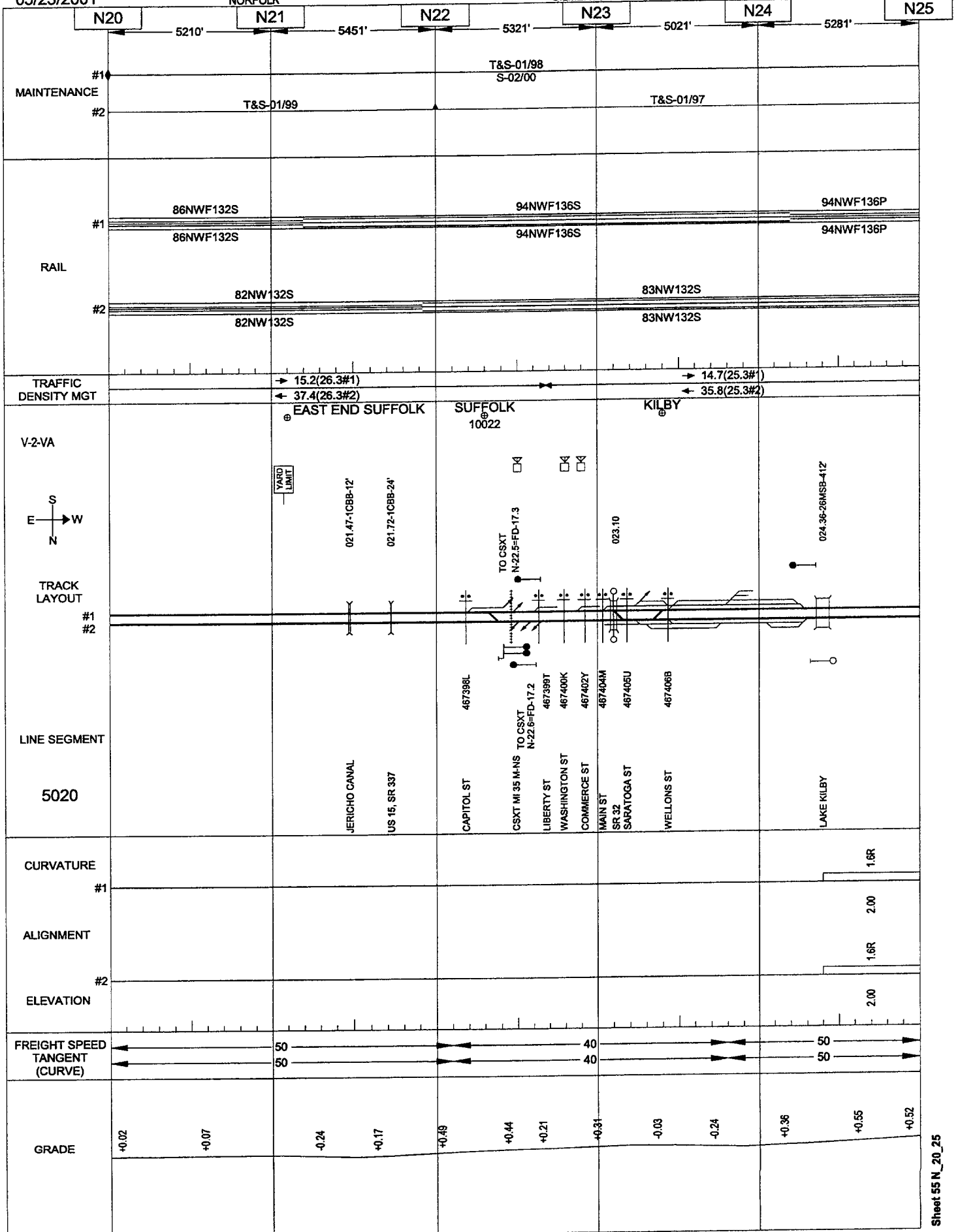


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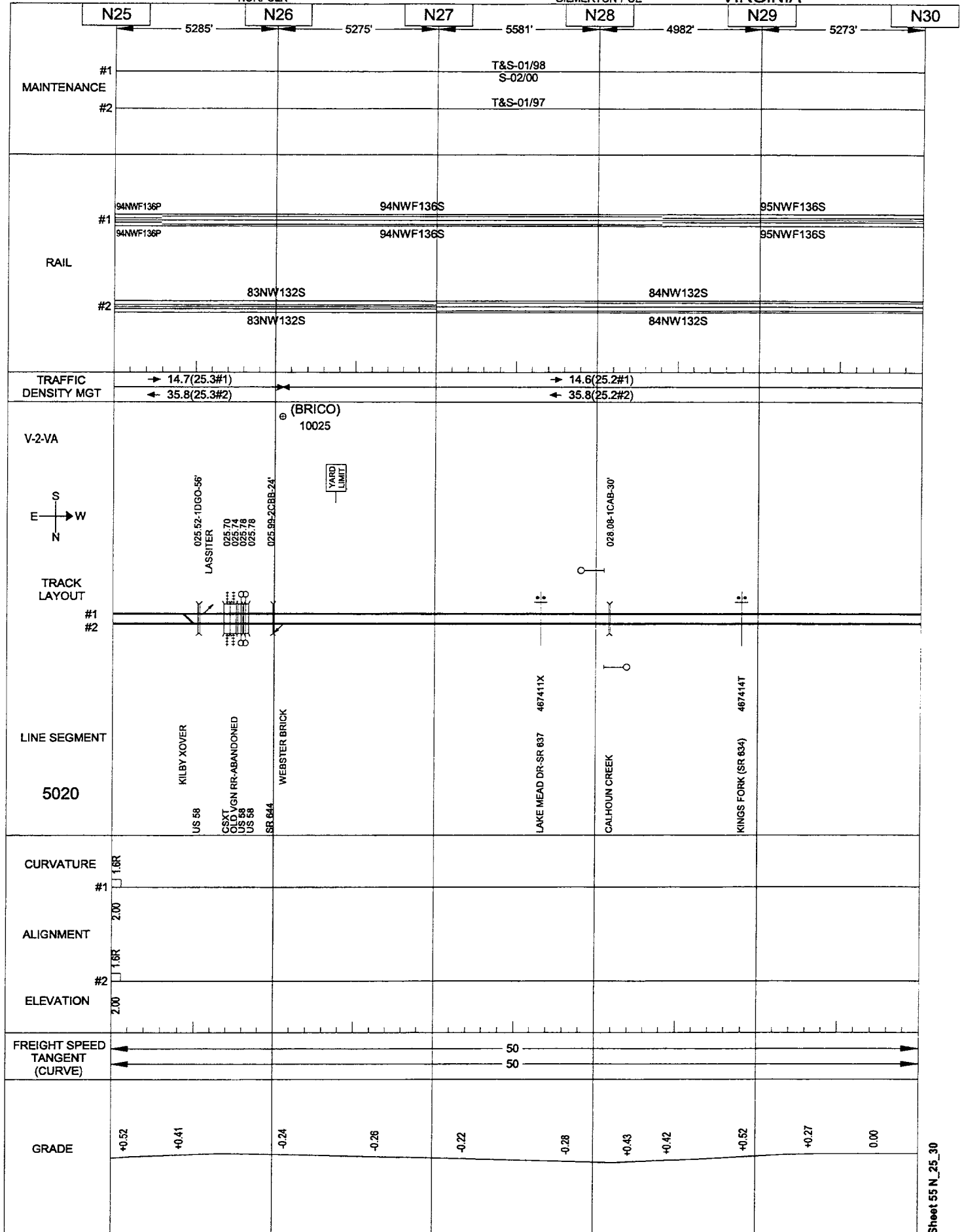


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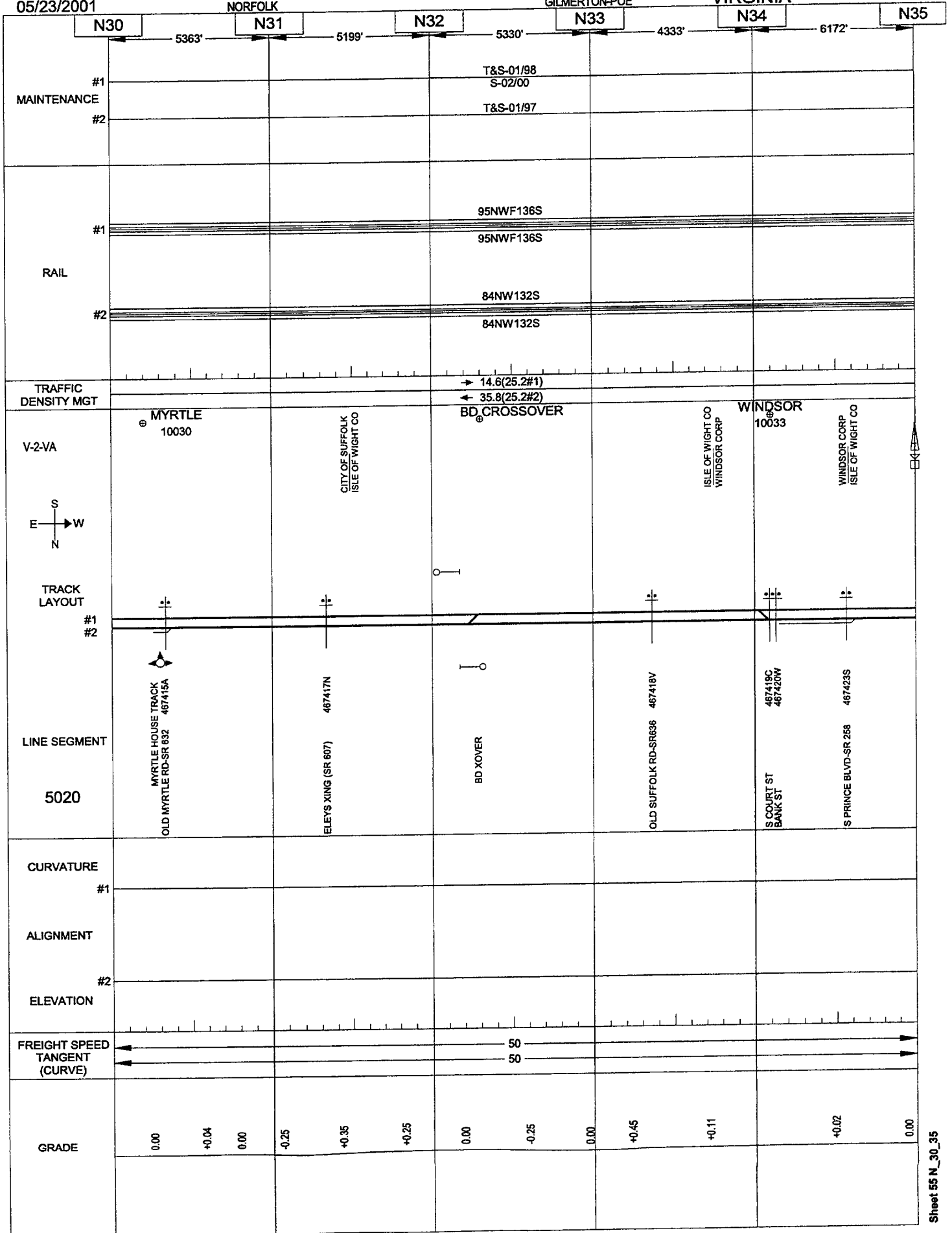


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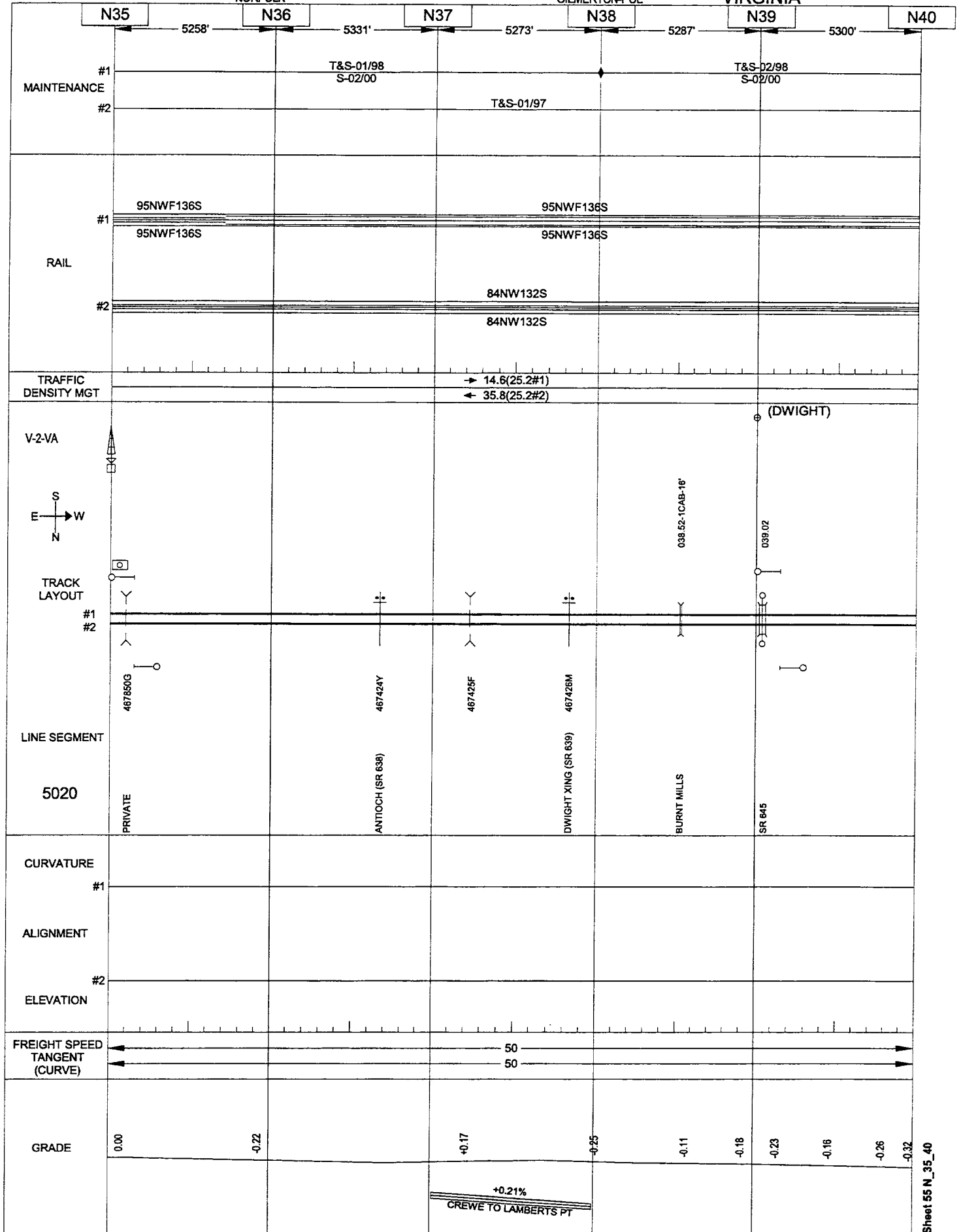


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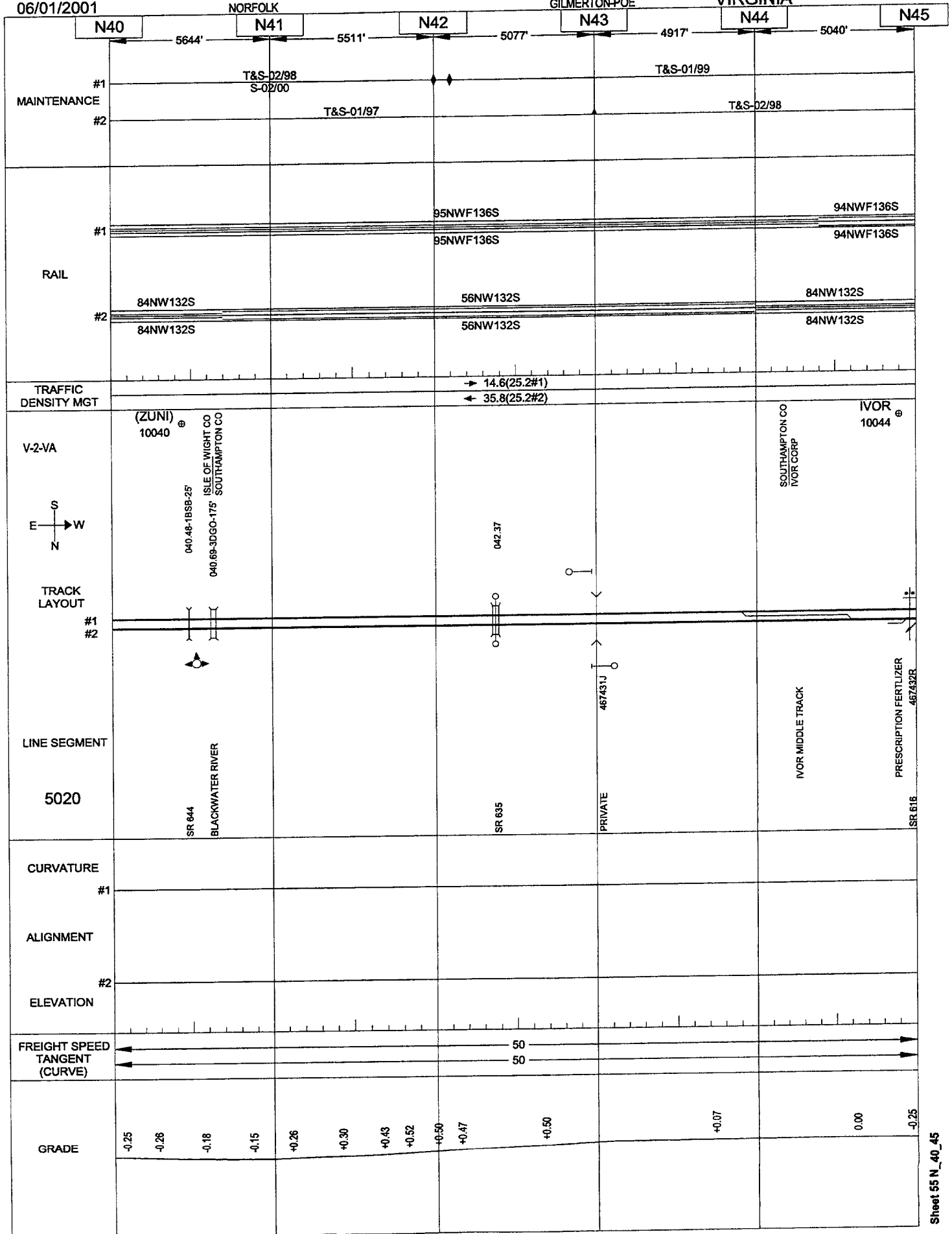


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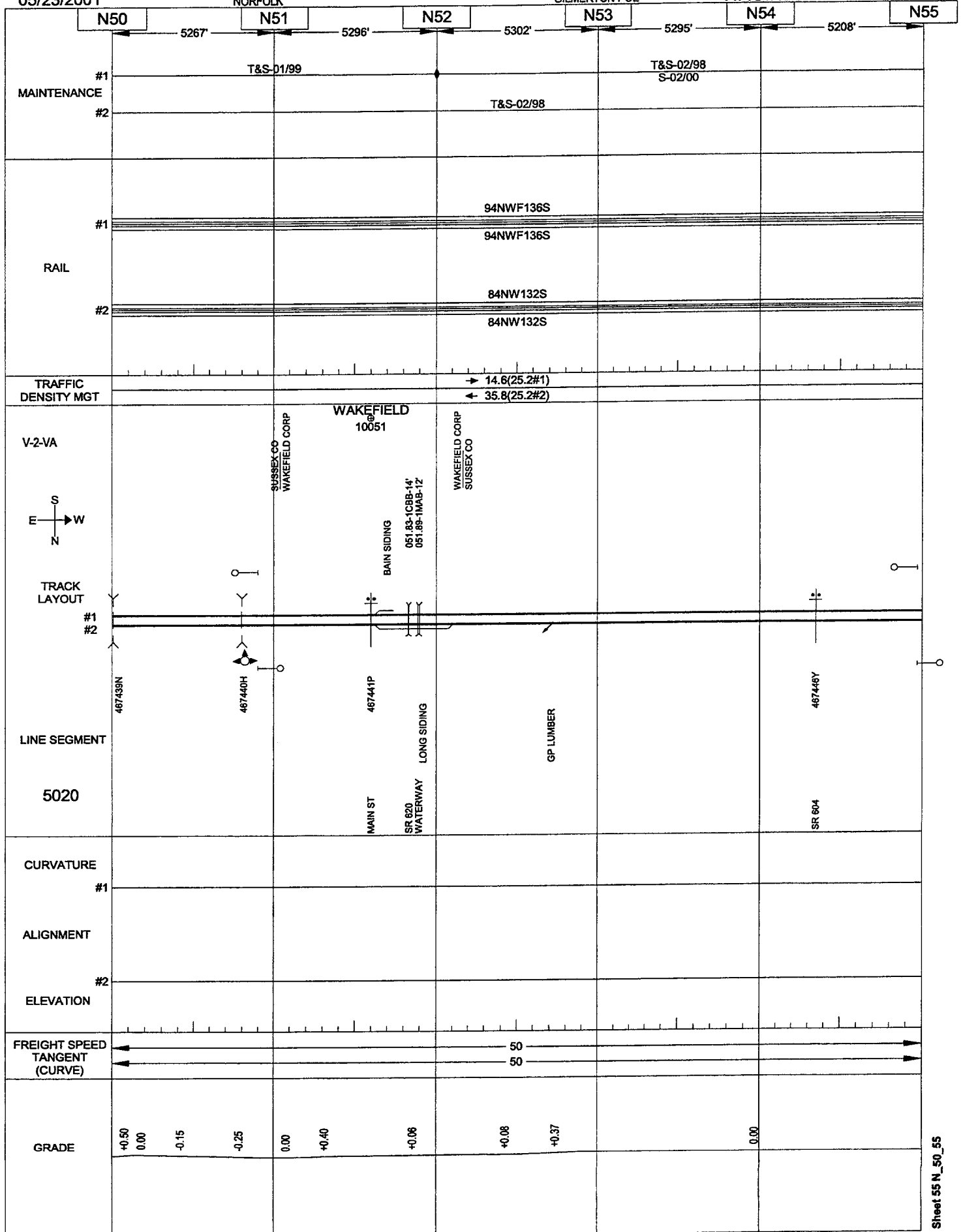
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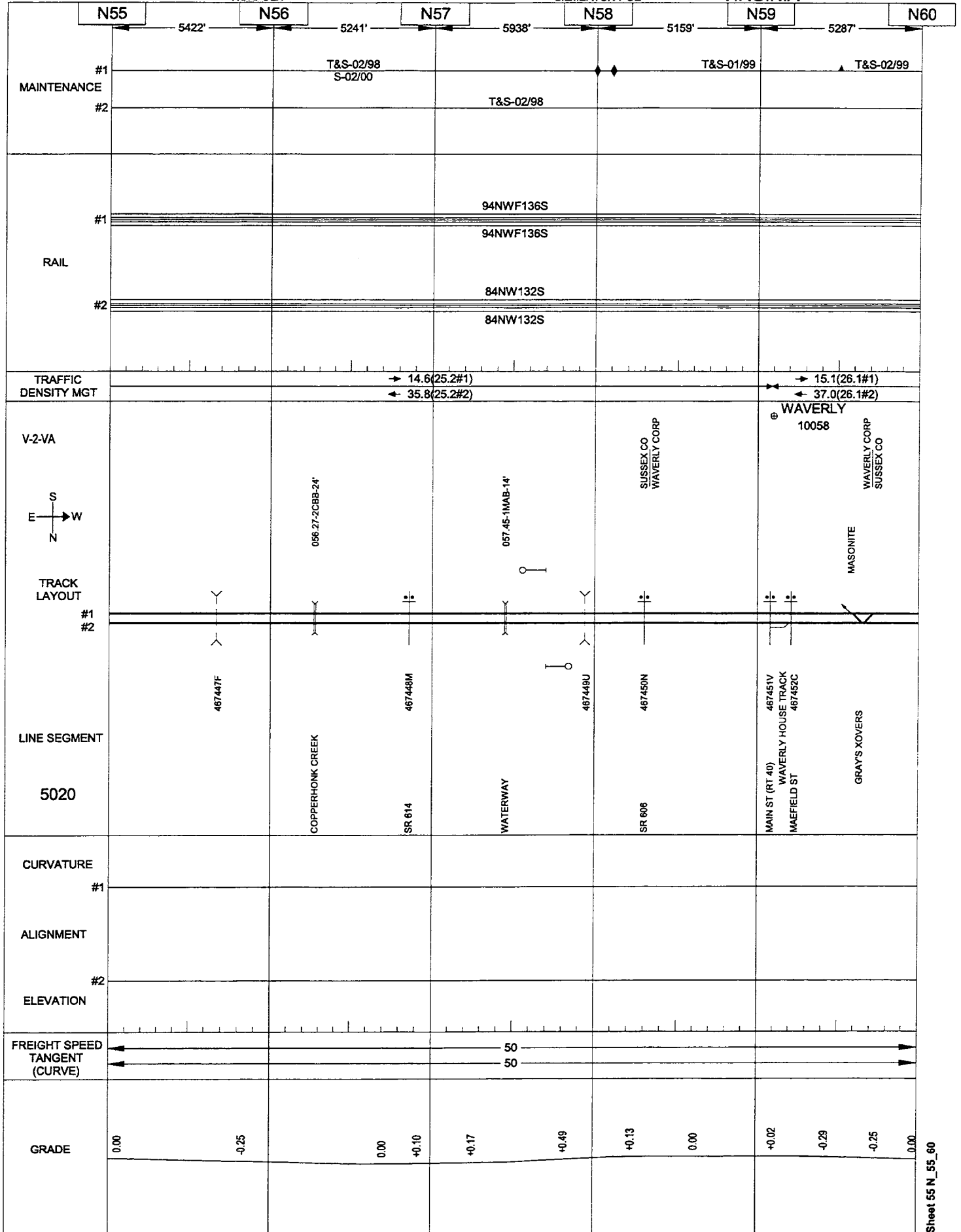


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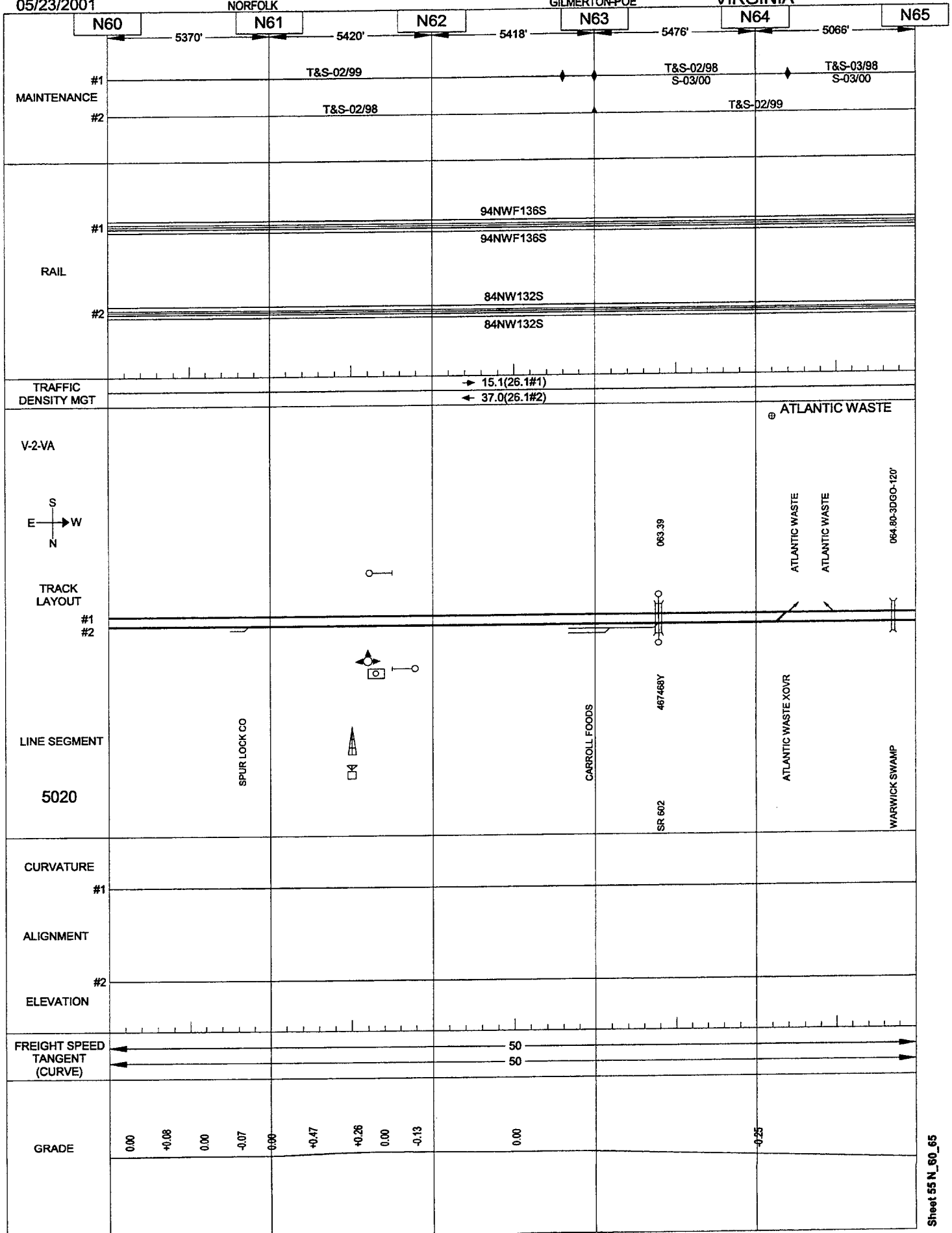


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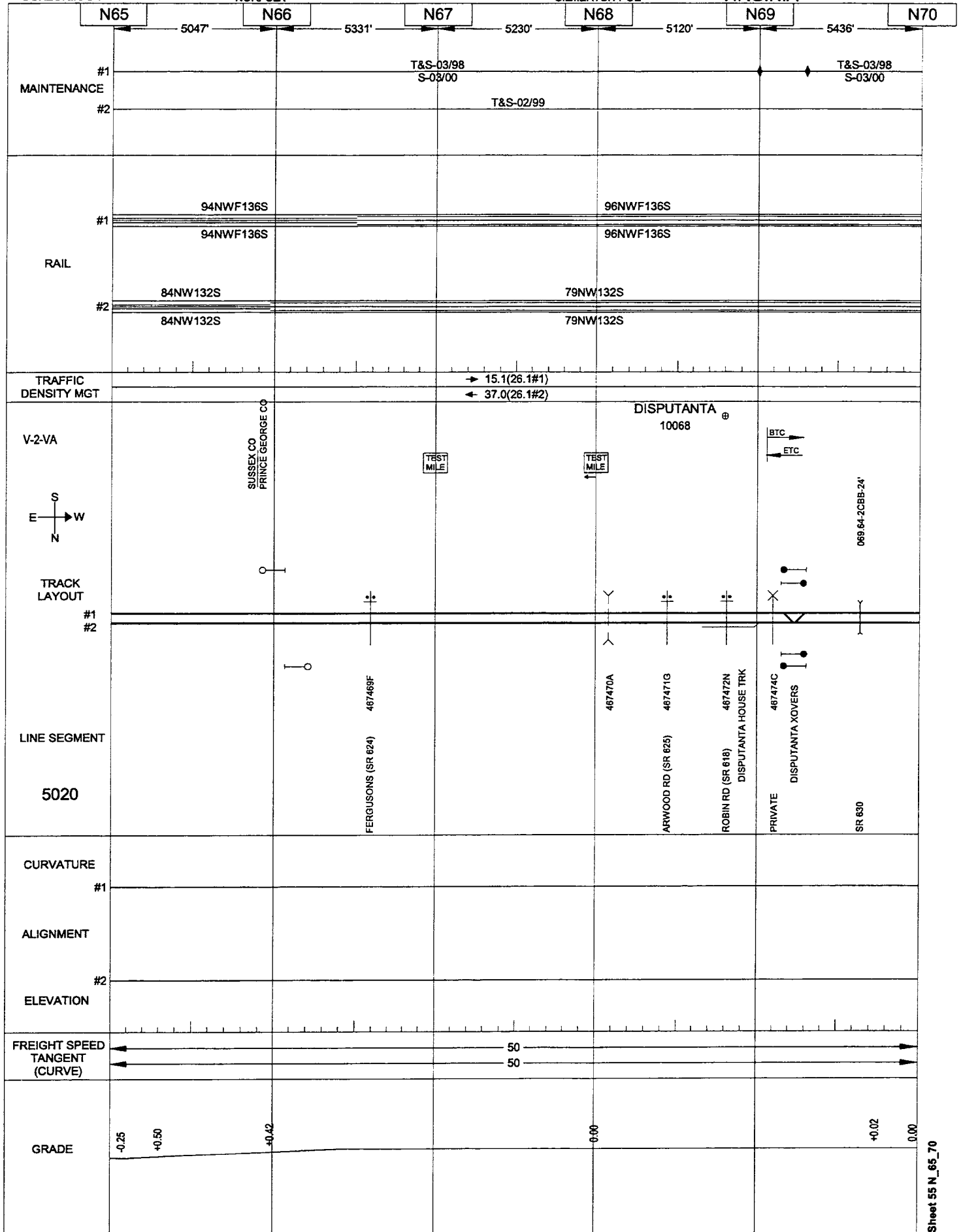


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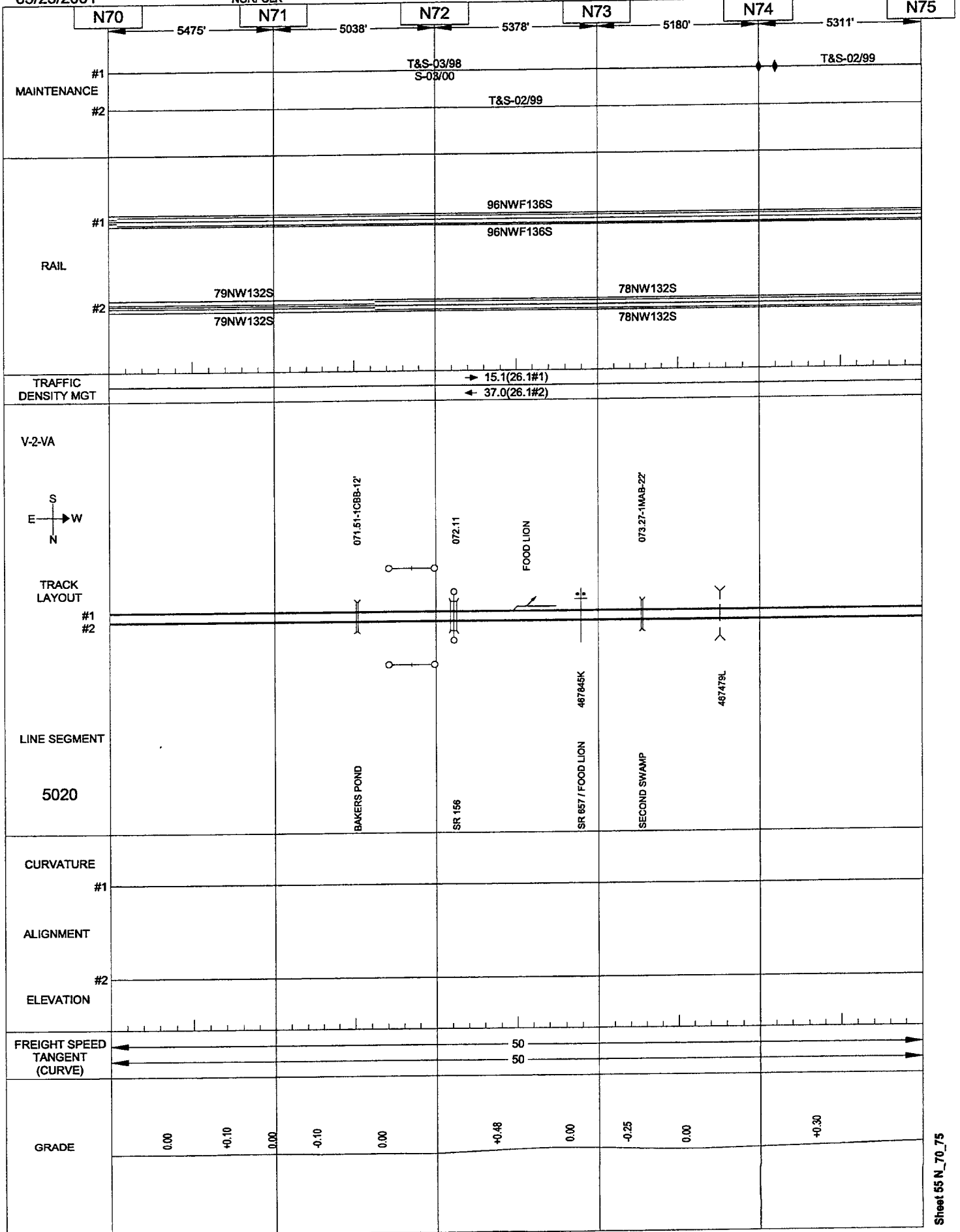


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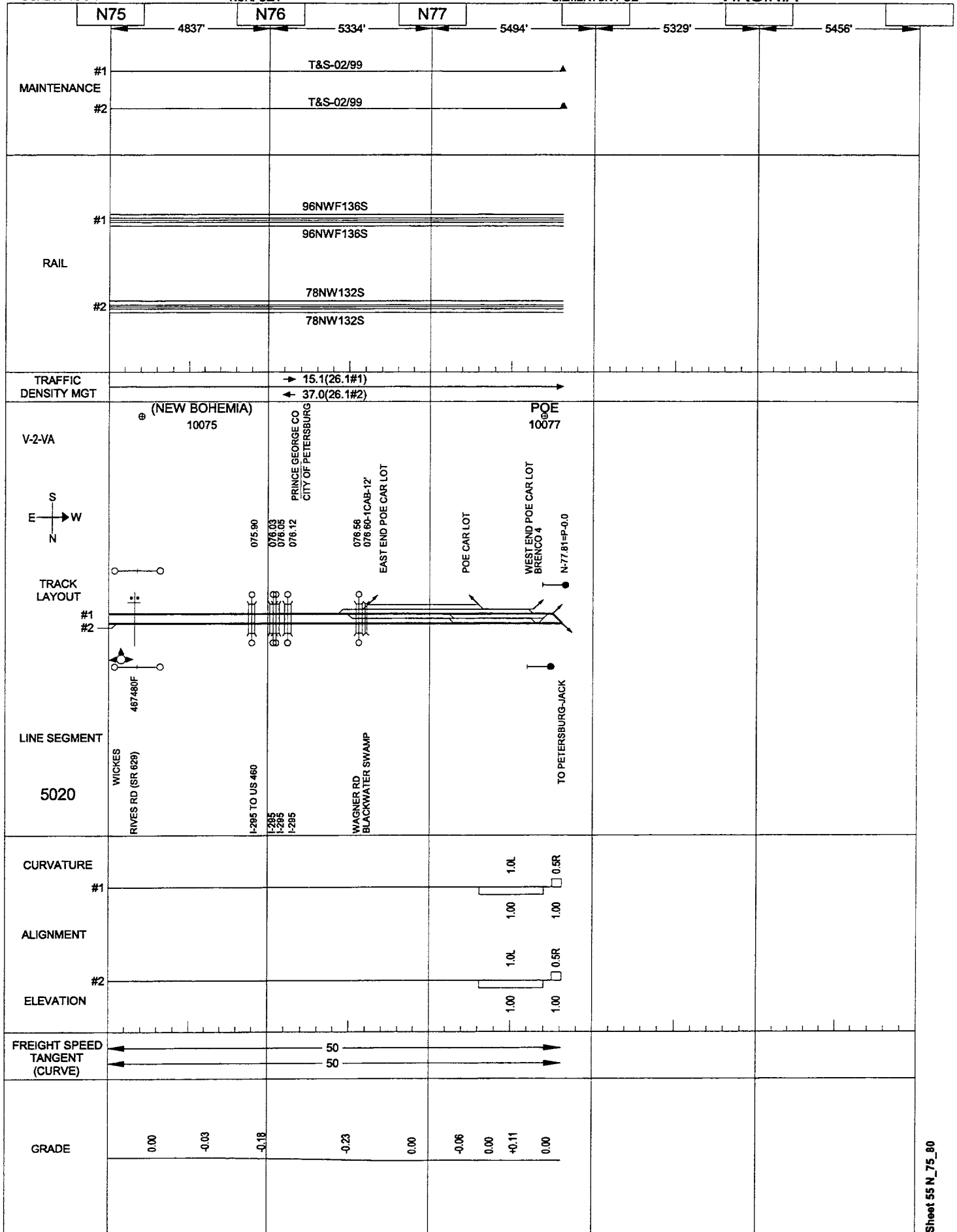


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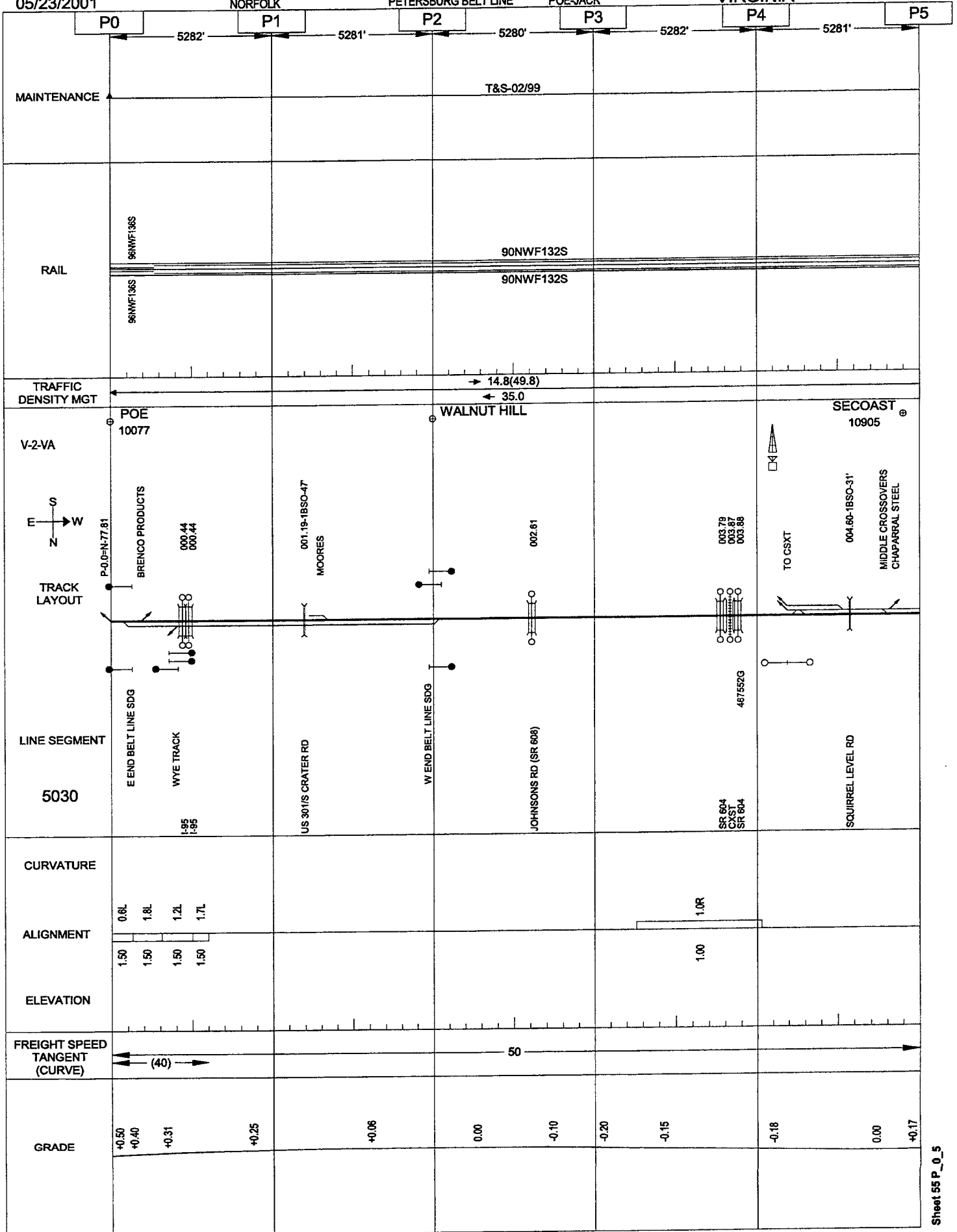
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NORFOLK

PETERSBURG BELT LINE

POE-JACK

VIRGINIA



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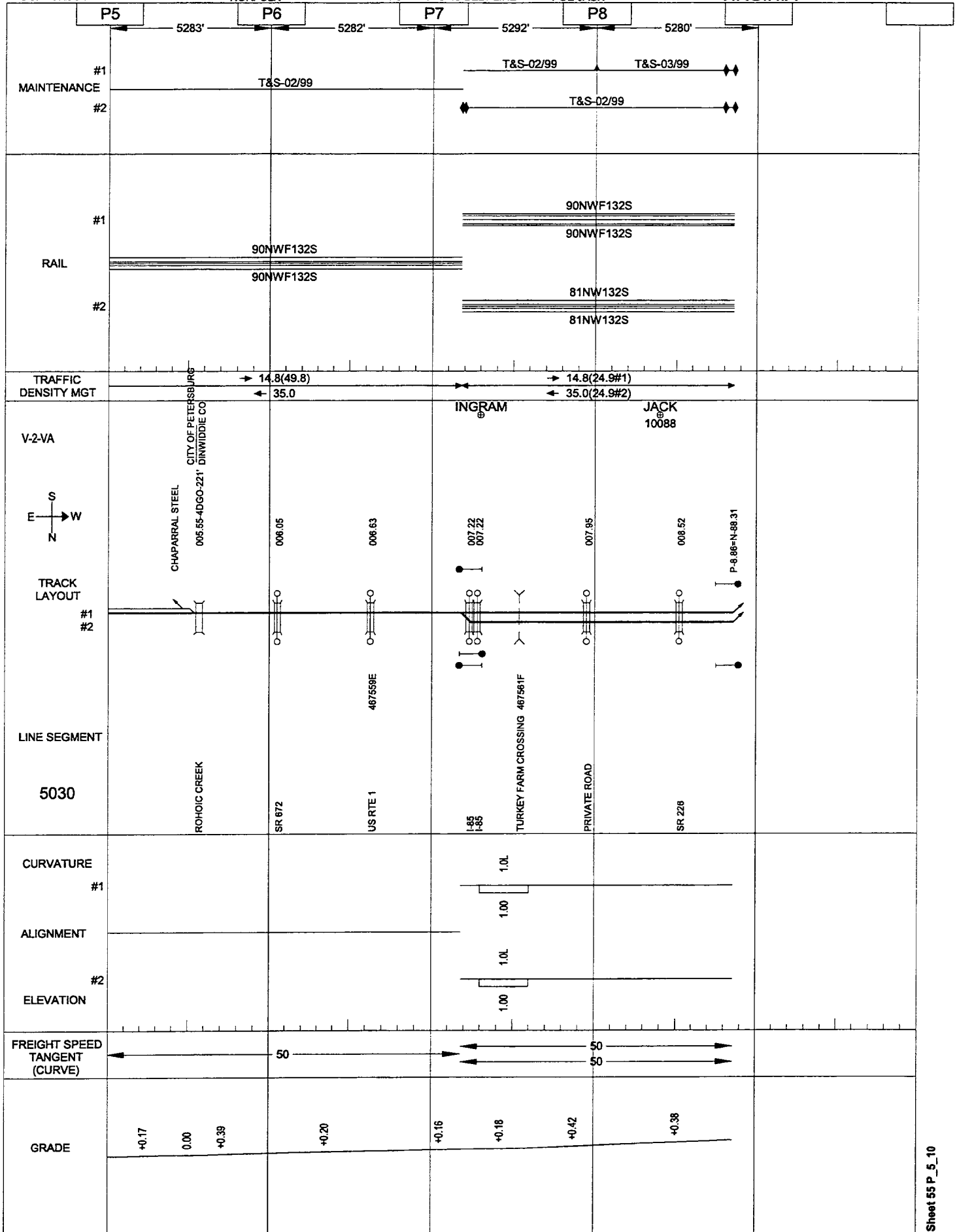
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NORFOLK

PETERSBURG BELT LINE

POE-JACK

VIRGINIA



05/23/2001

NORFOLK

POE-PETERSBURG-JACK

VIRGINIA

N78

N79

N80

4837'

5334'

5494'

5329'

5456'

MAINTENANCE

T&S-09/96

RAIL

83W132S

83W132S

TRAFFIC
DENSITY MGT

→ 1.0(3.7)

← 2.7

V-2-VA

TRACK
LAYOUTPOE
10077

LANE

WYE AT POE, VA

078.88
078.98

079.47-1CAB-12'

LINE SEGMENT

5050

TO NORFOLK

US 460
CRATER RD

POOL CREEK

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

1.3R
1.501.0R
1.500.6R
1.501.6L
1.50

40

-0.70

+0.75%

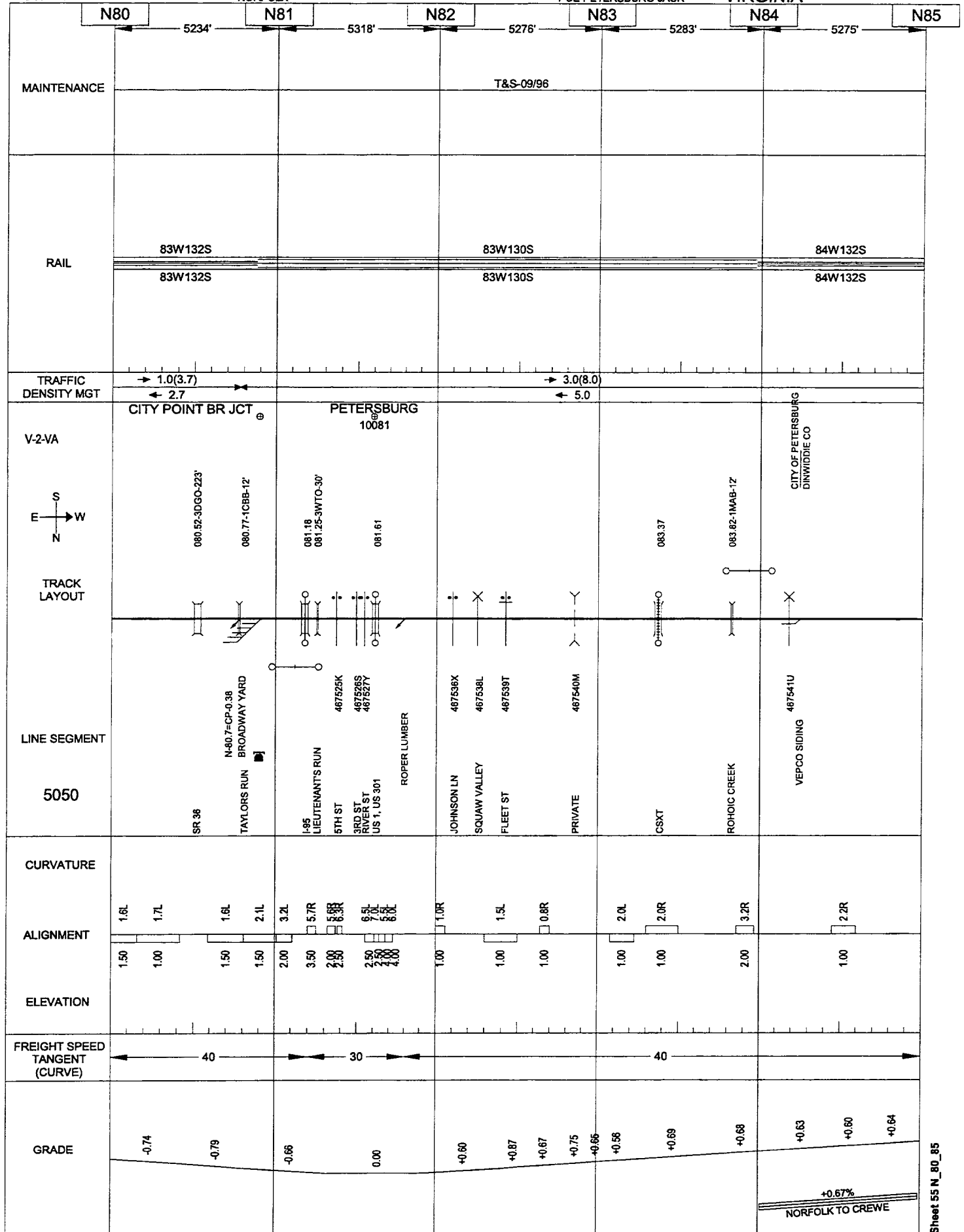
CREWE TO NORFOLK

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NORFOLK

POE-PETERSBURG-JACK

VIRGINIA



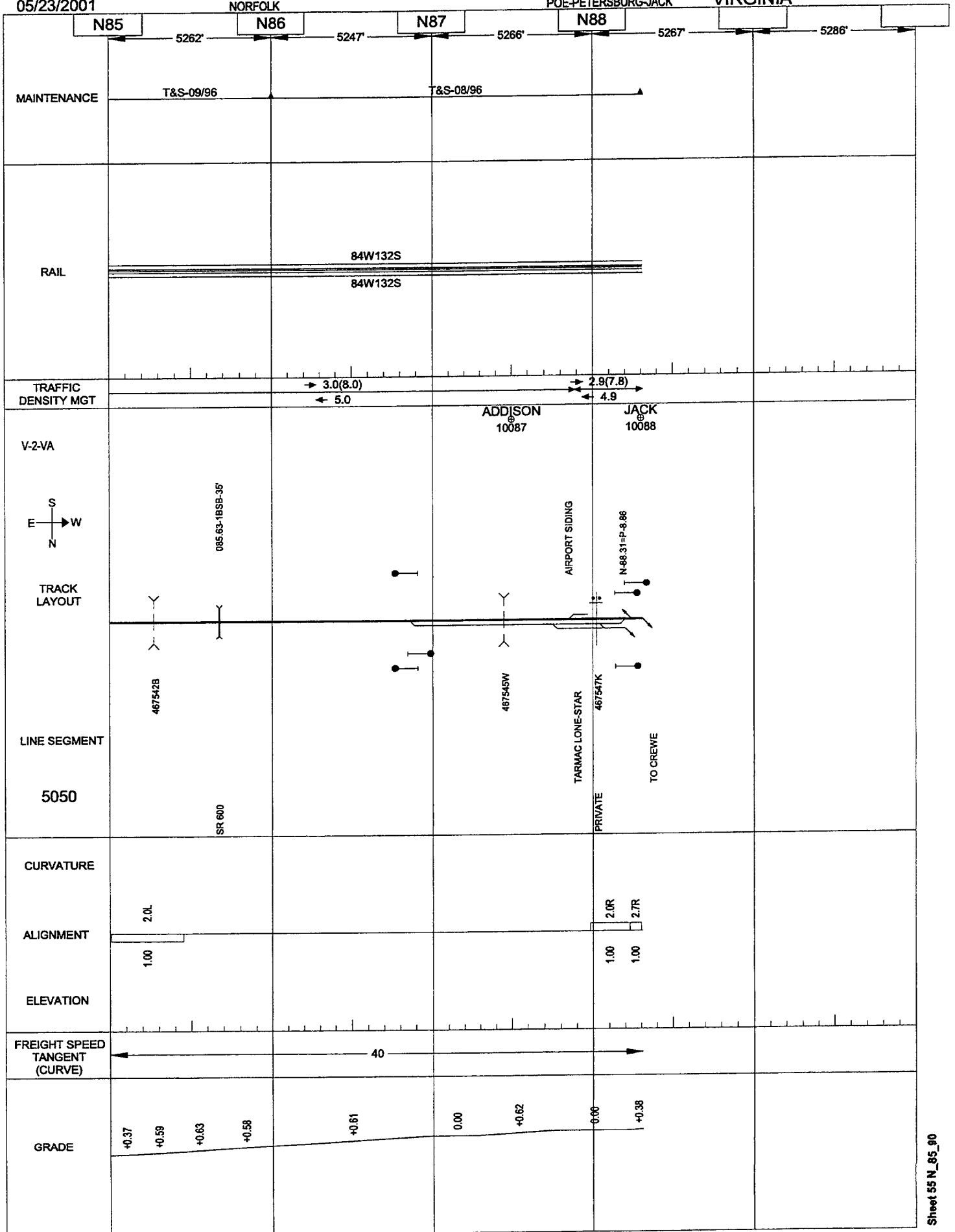
+0.67%
NORFOLK TO CREWE

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POE-PETERSBURG-JACK

VIRGINIA



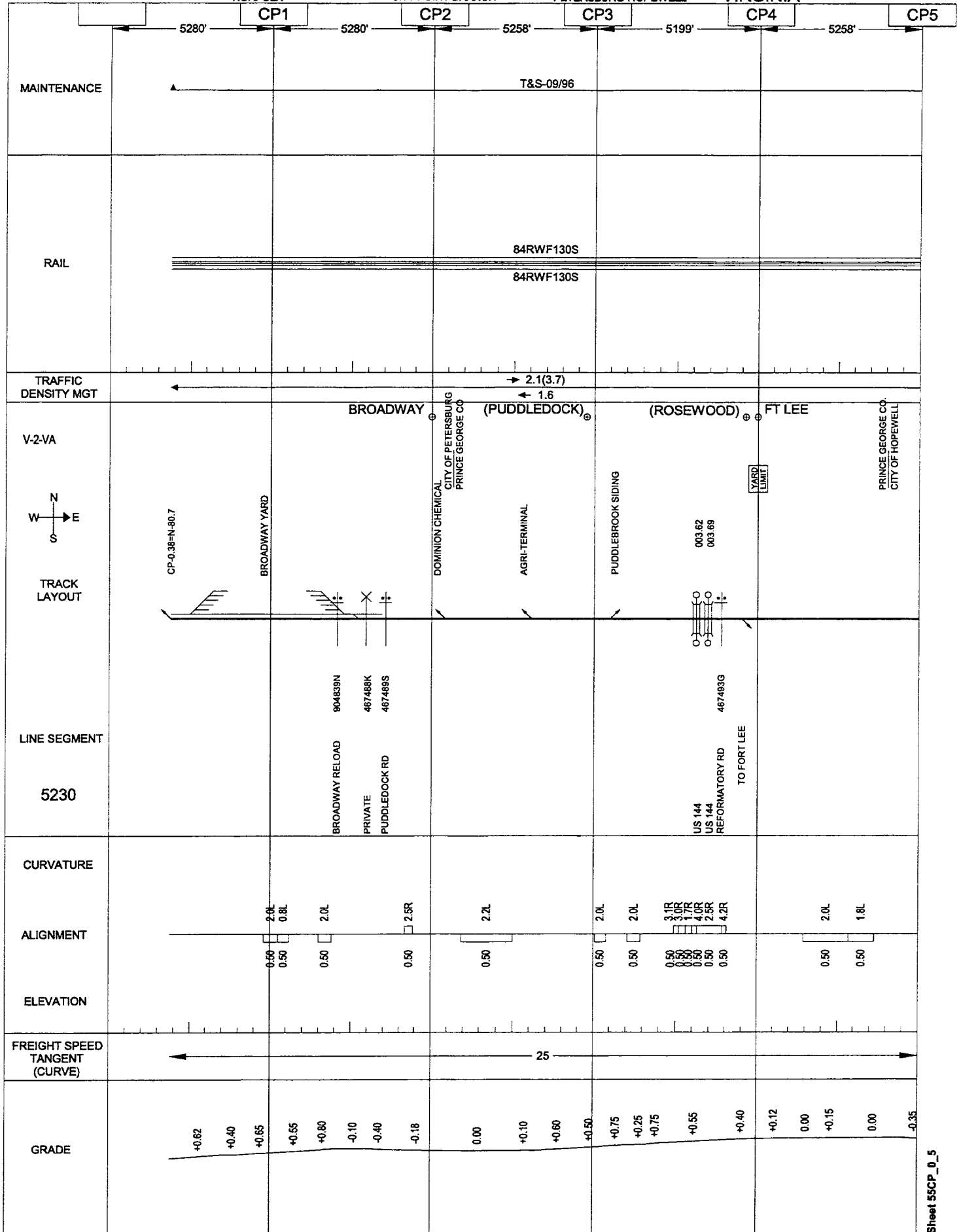
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NORFOLK

CITY POINT BRANCH

PETERSBURG-HOPEWELL

VIRGINIA



025

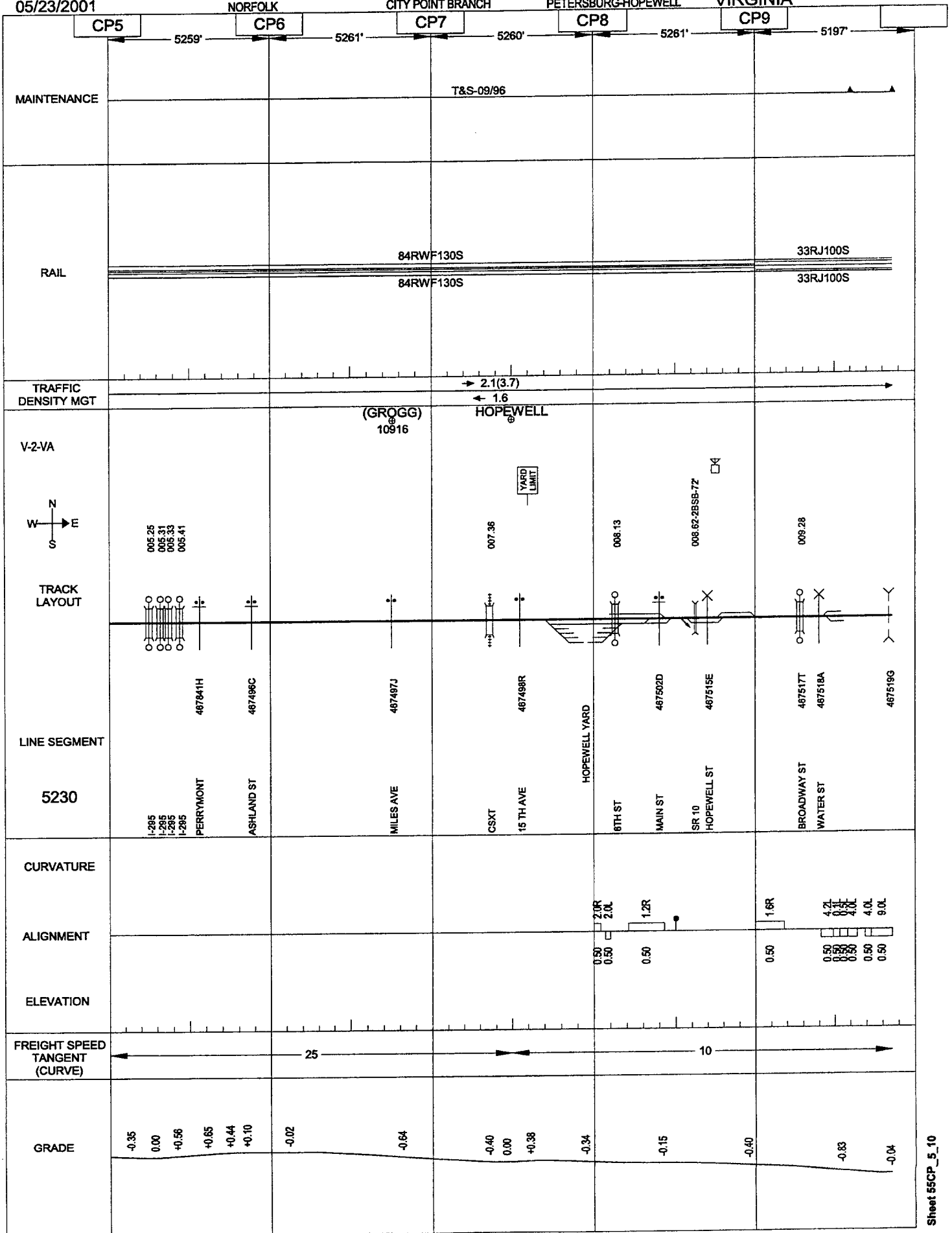
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NORFOLK

CITY POINT BRANCH

PETERSBURG-HOPEWELL

VIRGINIA



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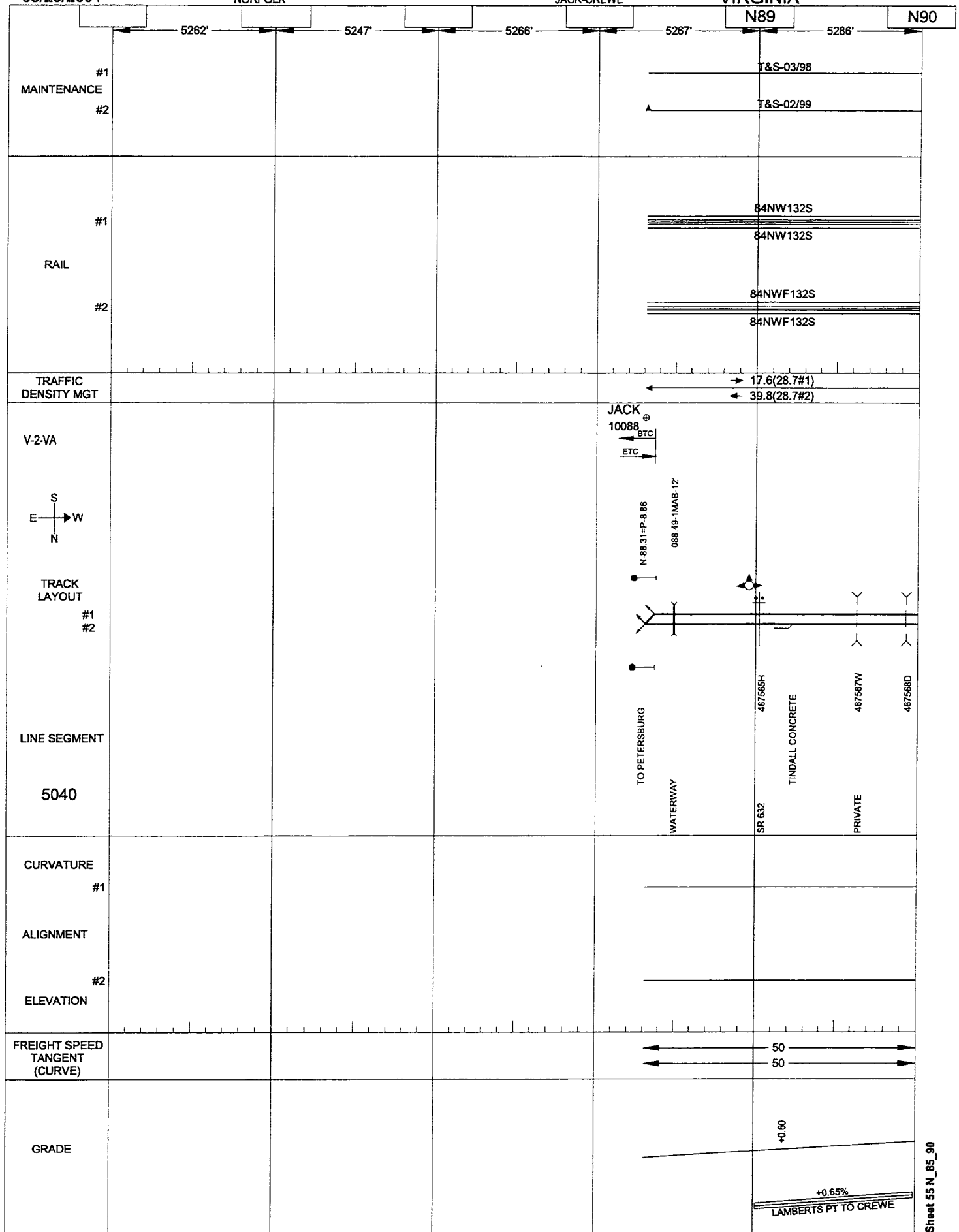
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JACK-CREWE

VIRGINIA

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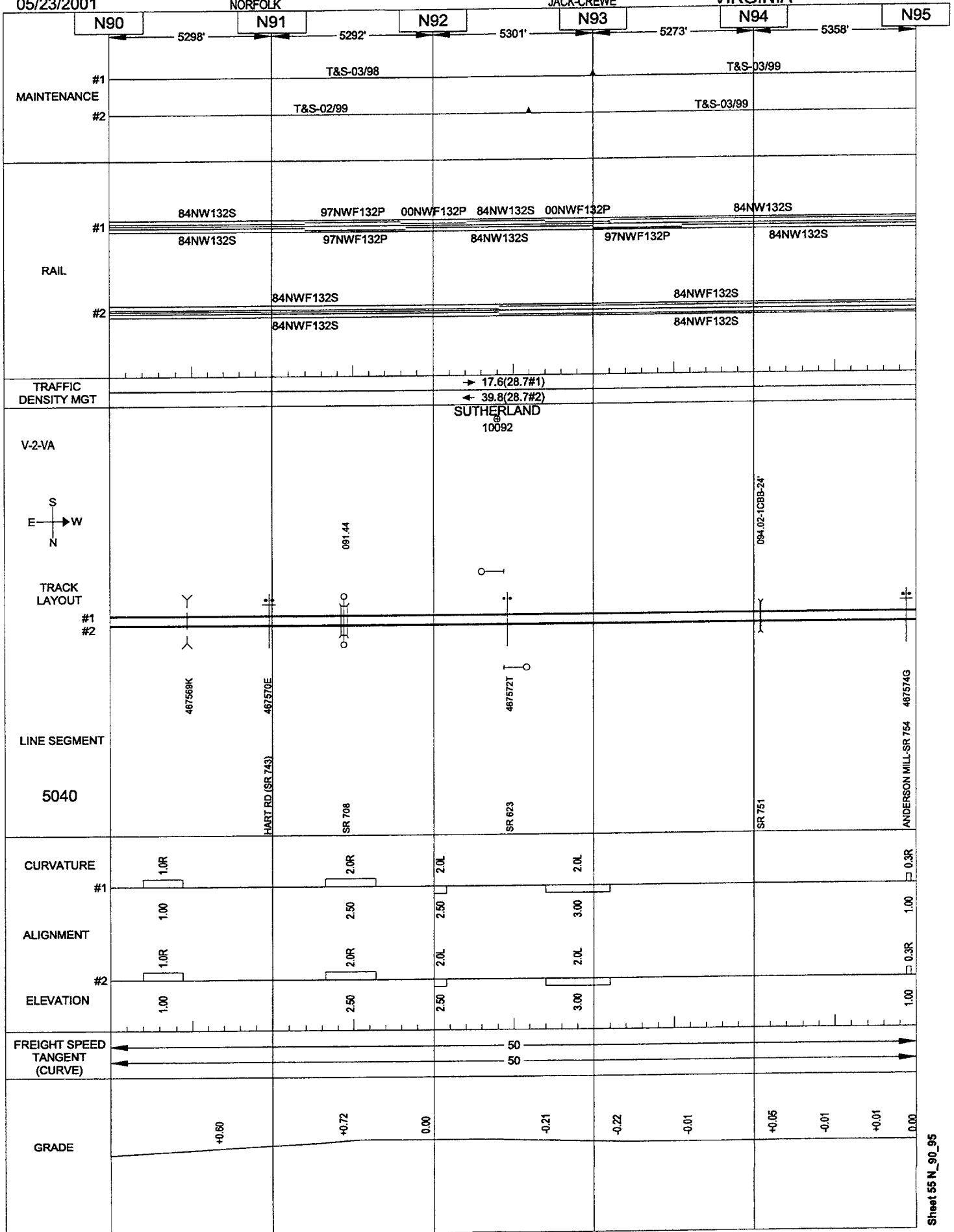


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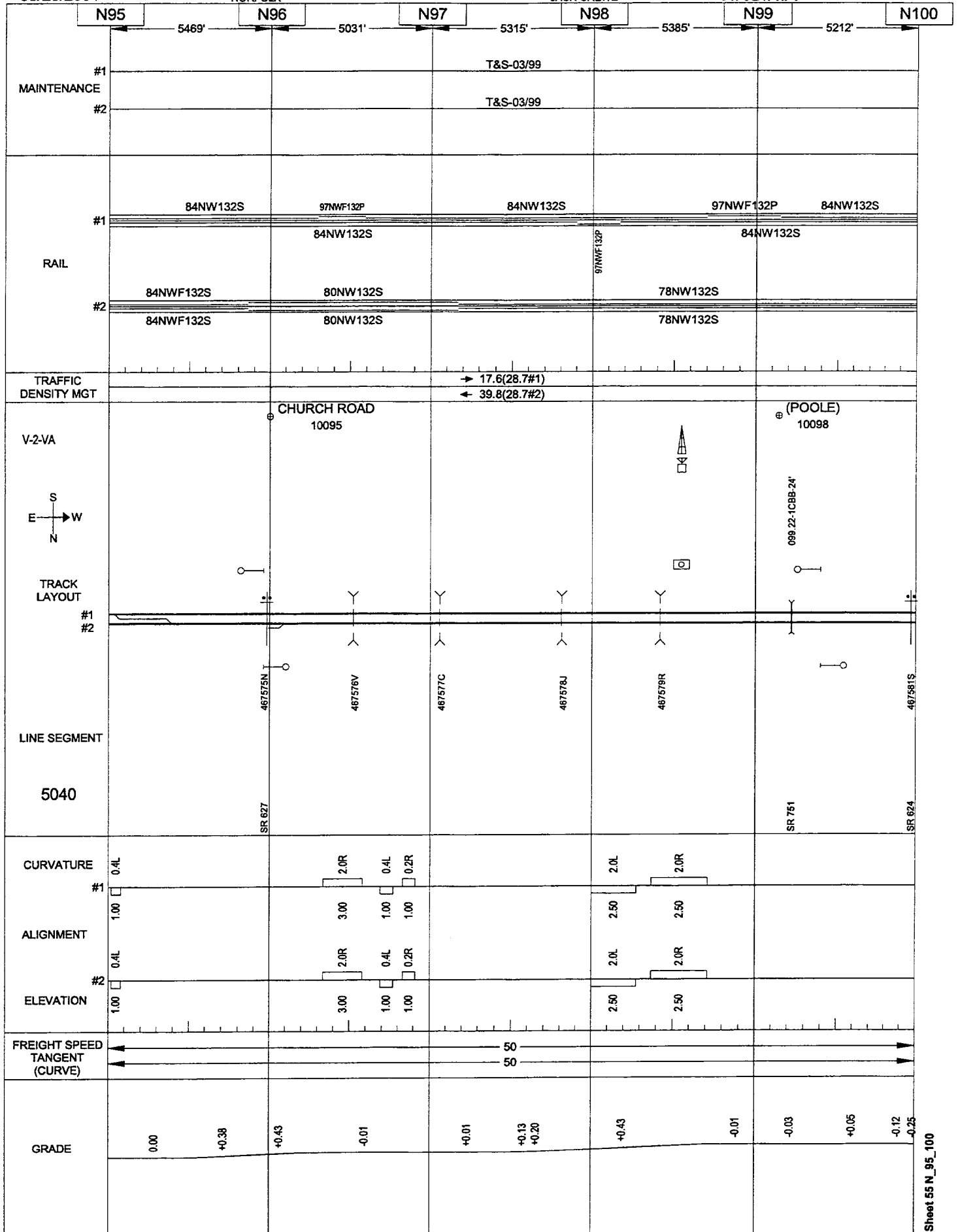


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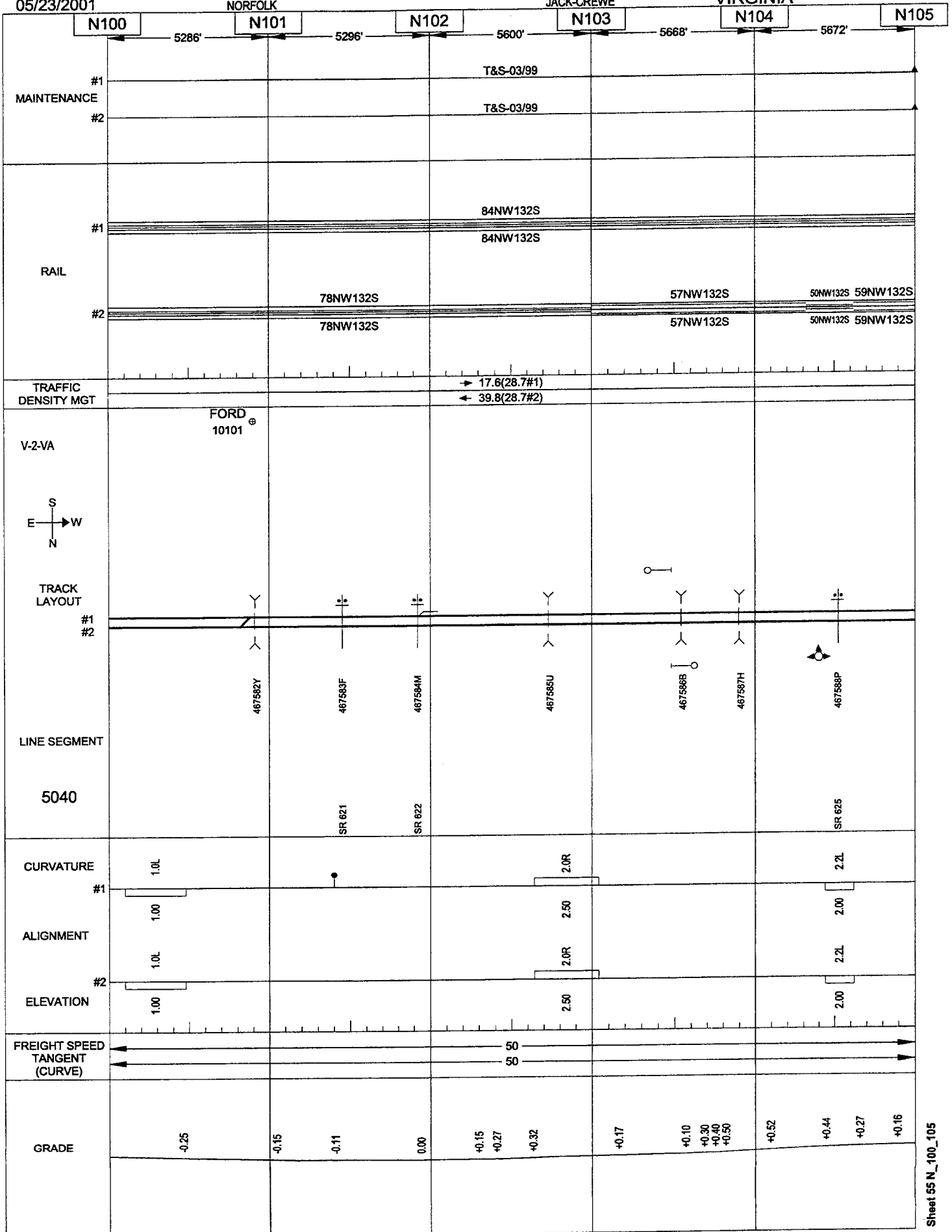


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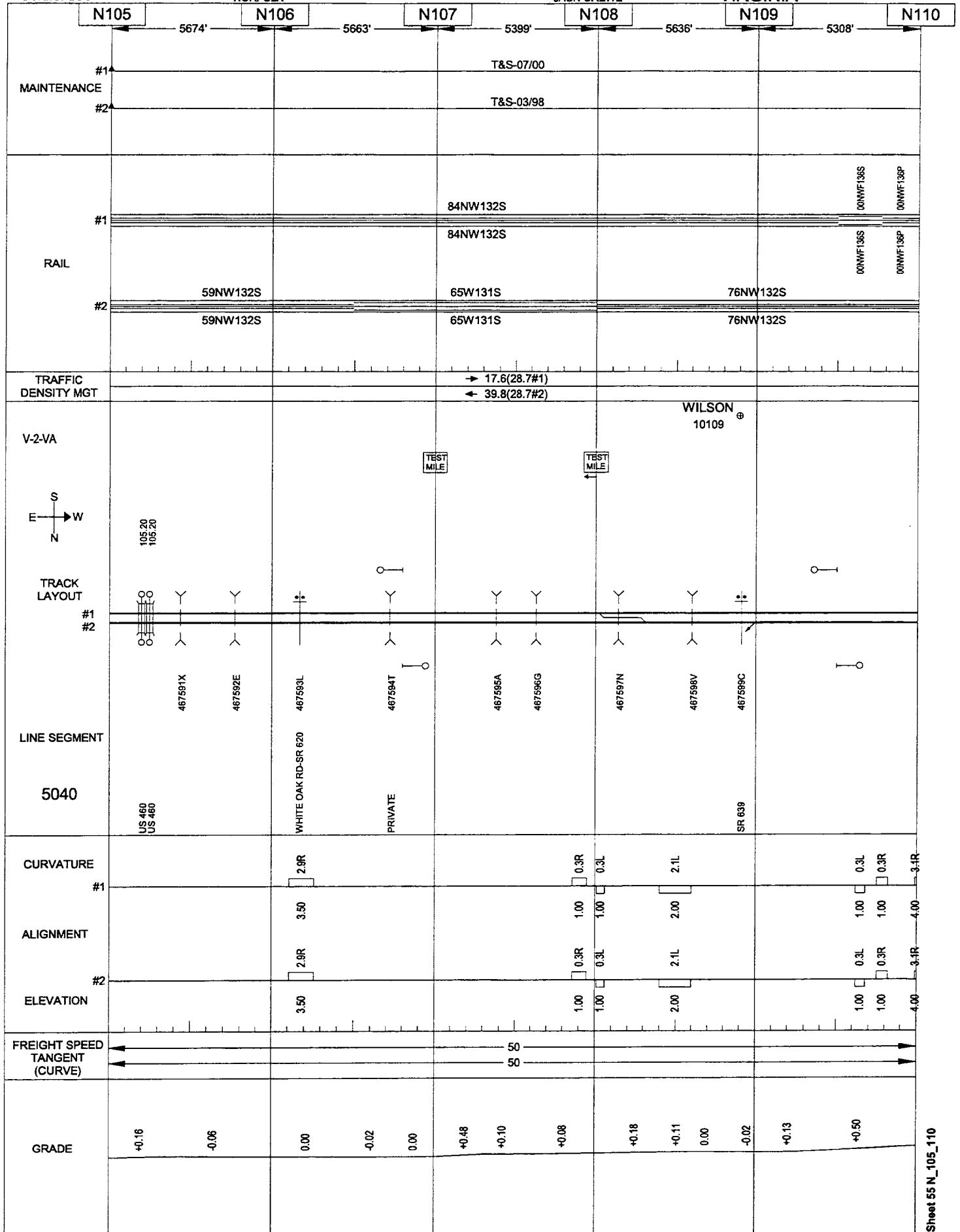


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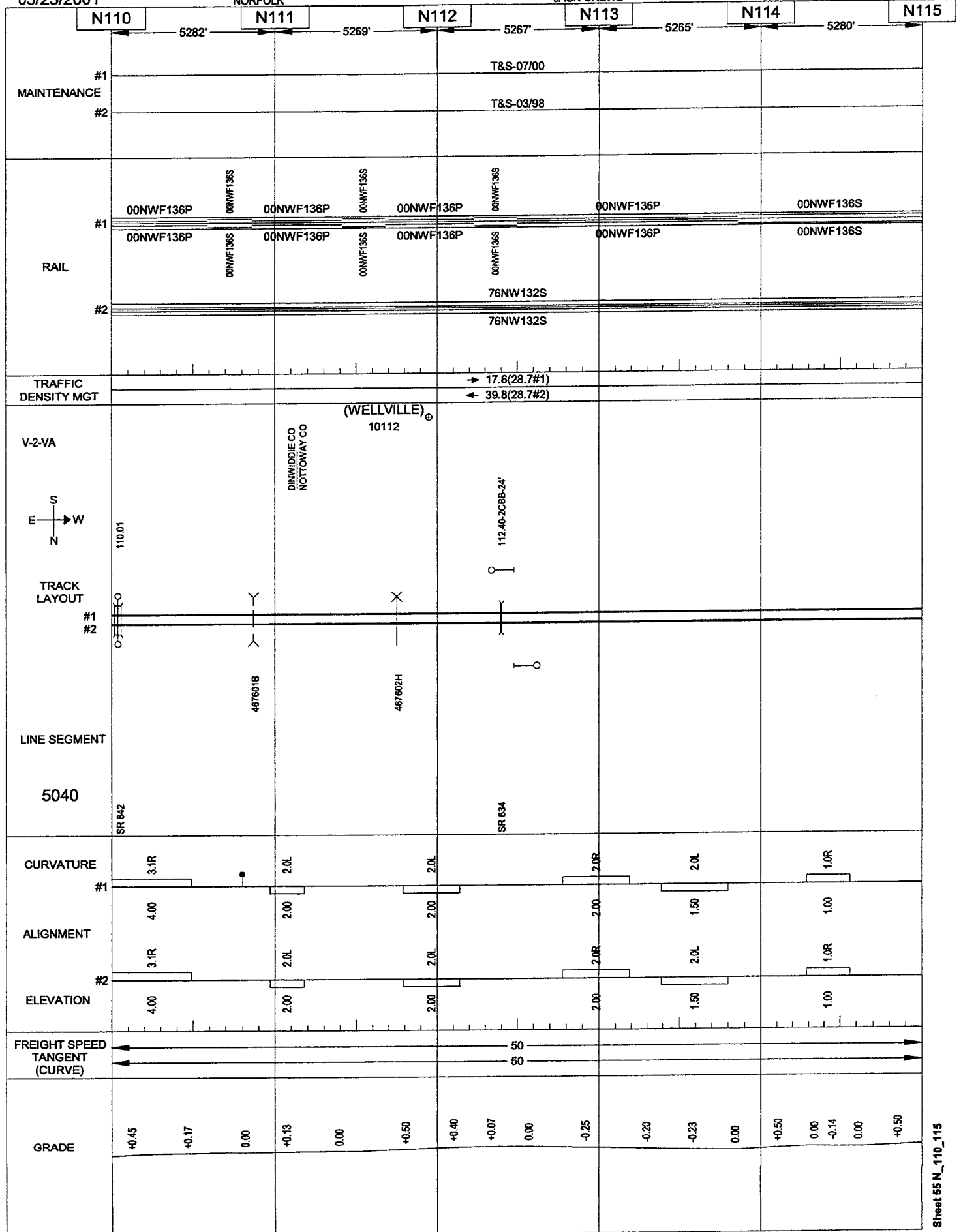


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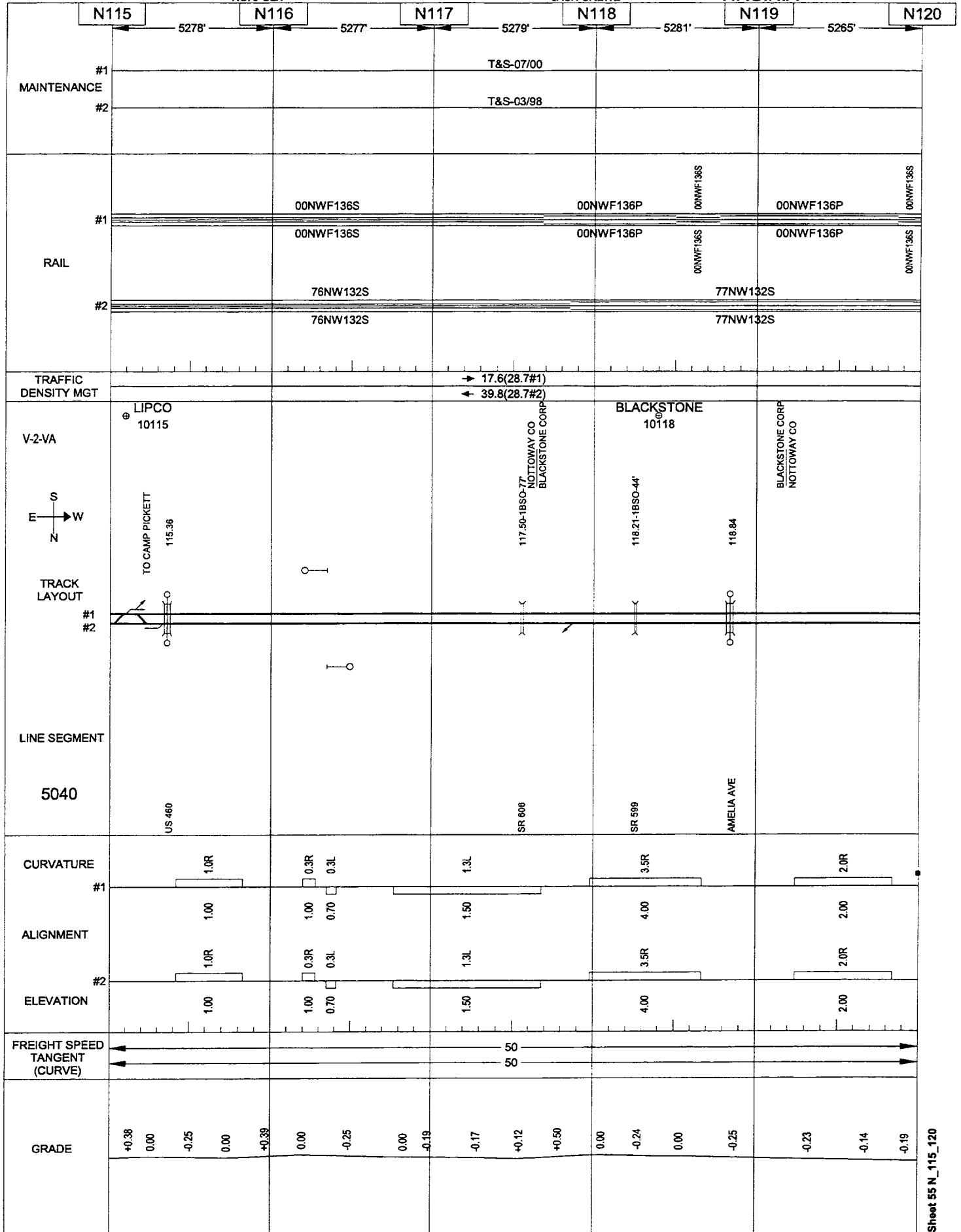


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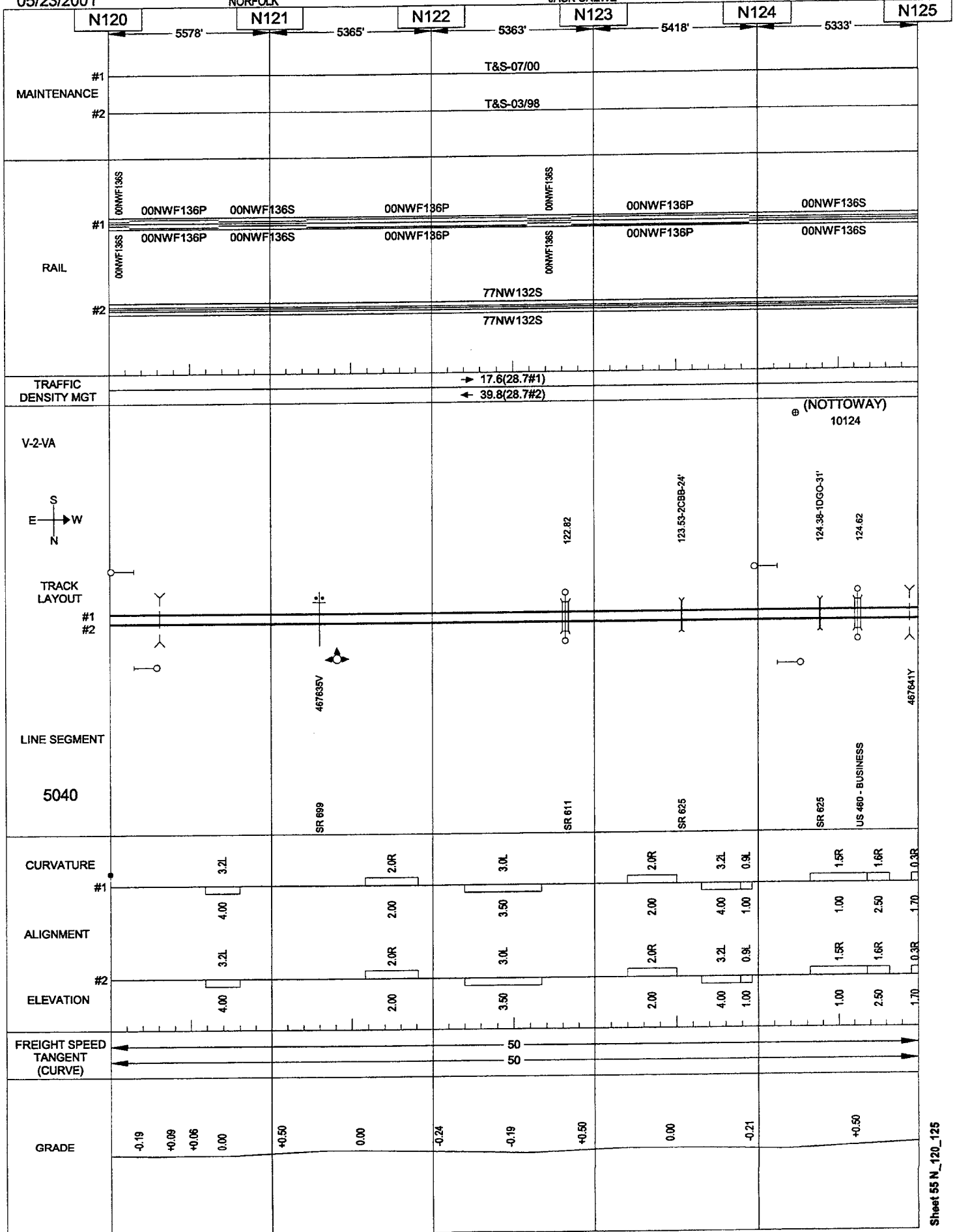


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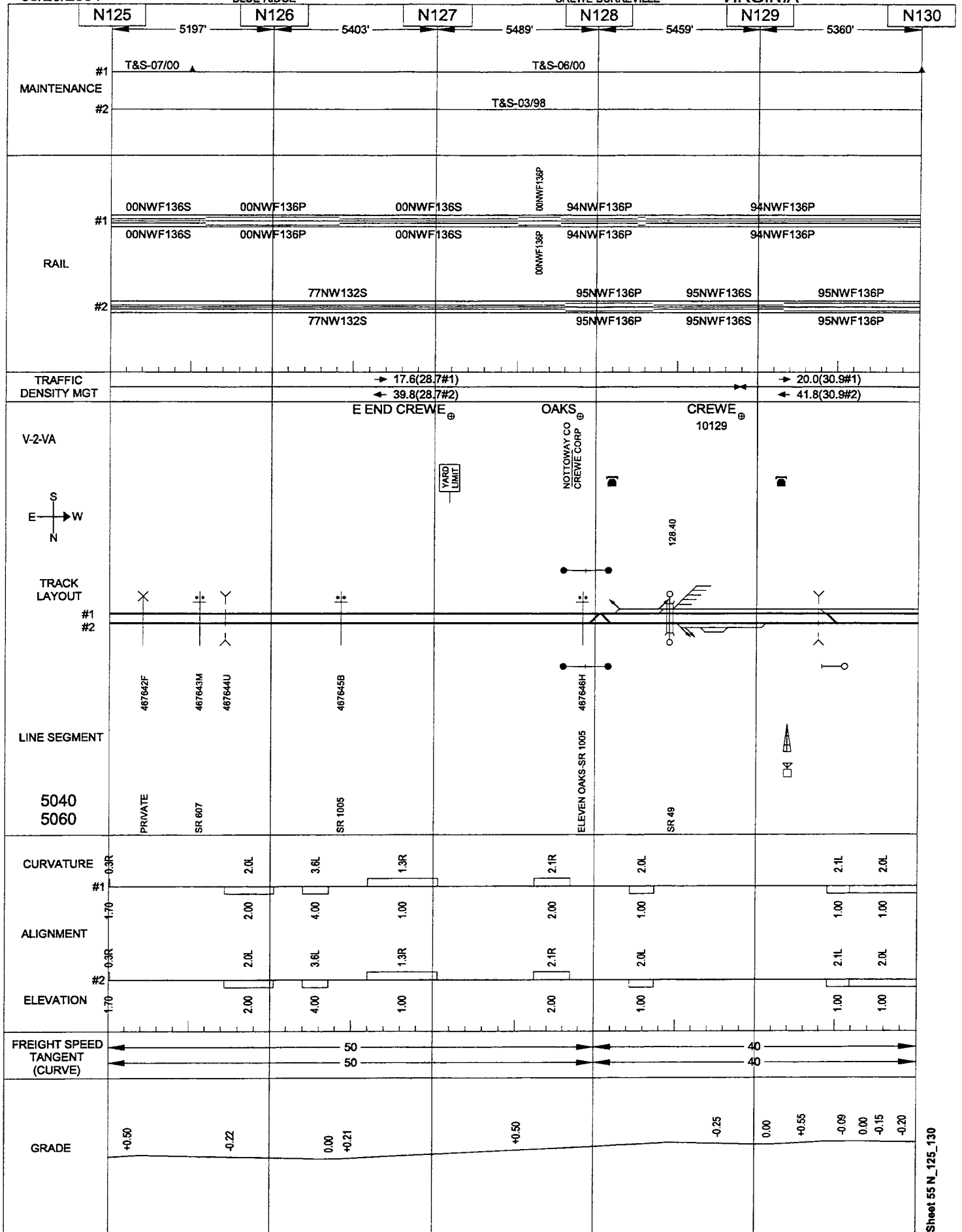


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BLUE RIDGE

CREWE-BURKEVILLE

VIRGINIA

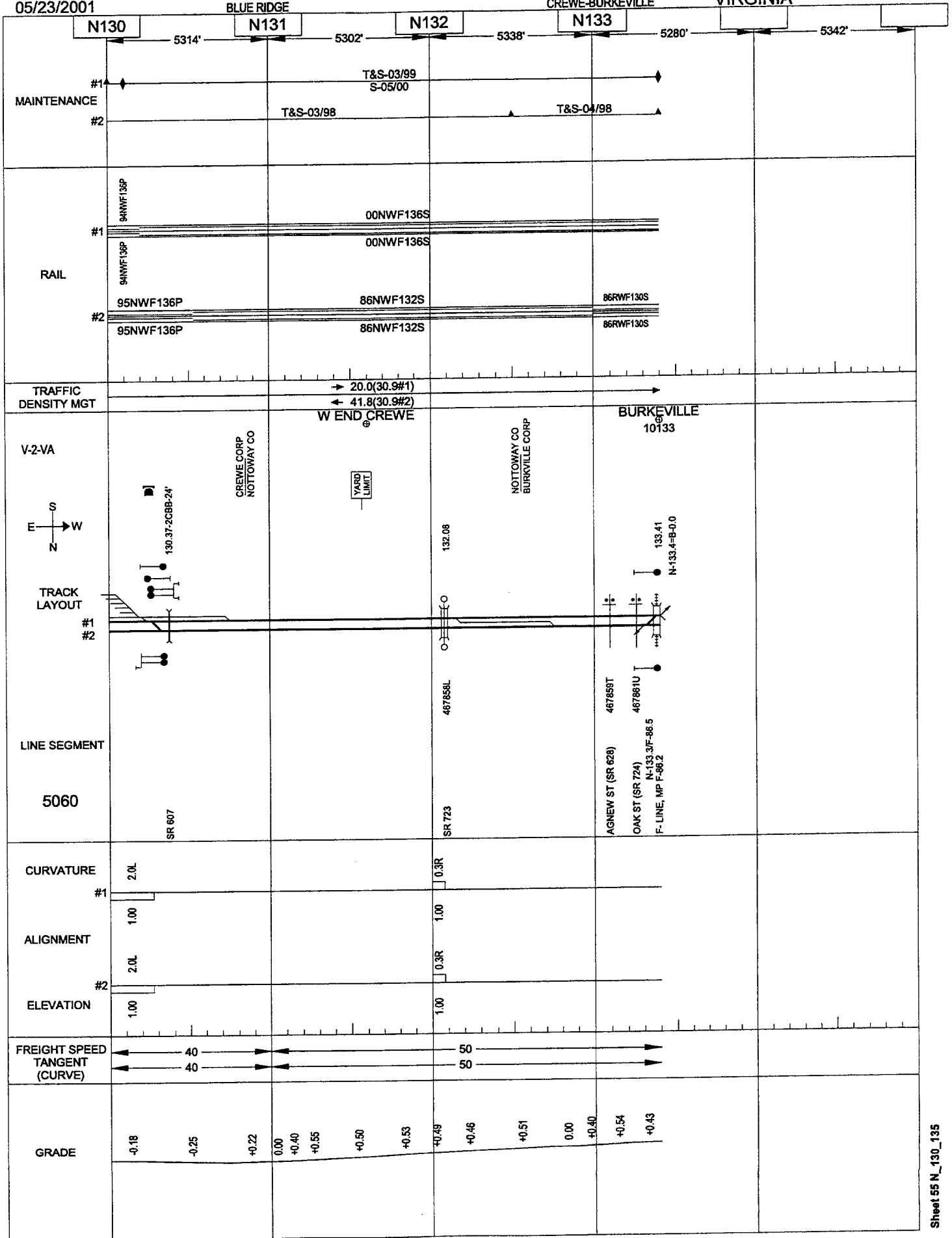


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BLUE RIDGE

CREWE-BURKEVILLE

VIRGINIA



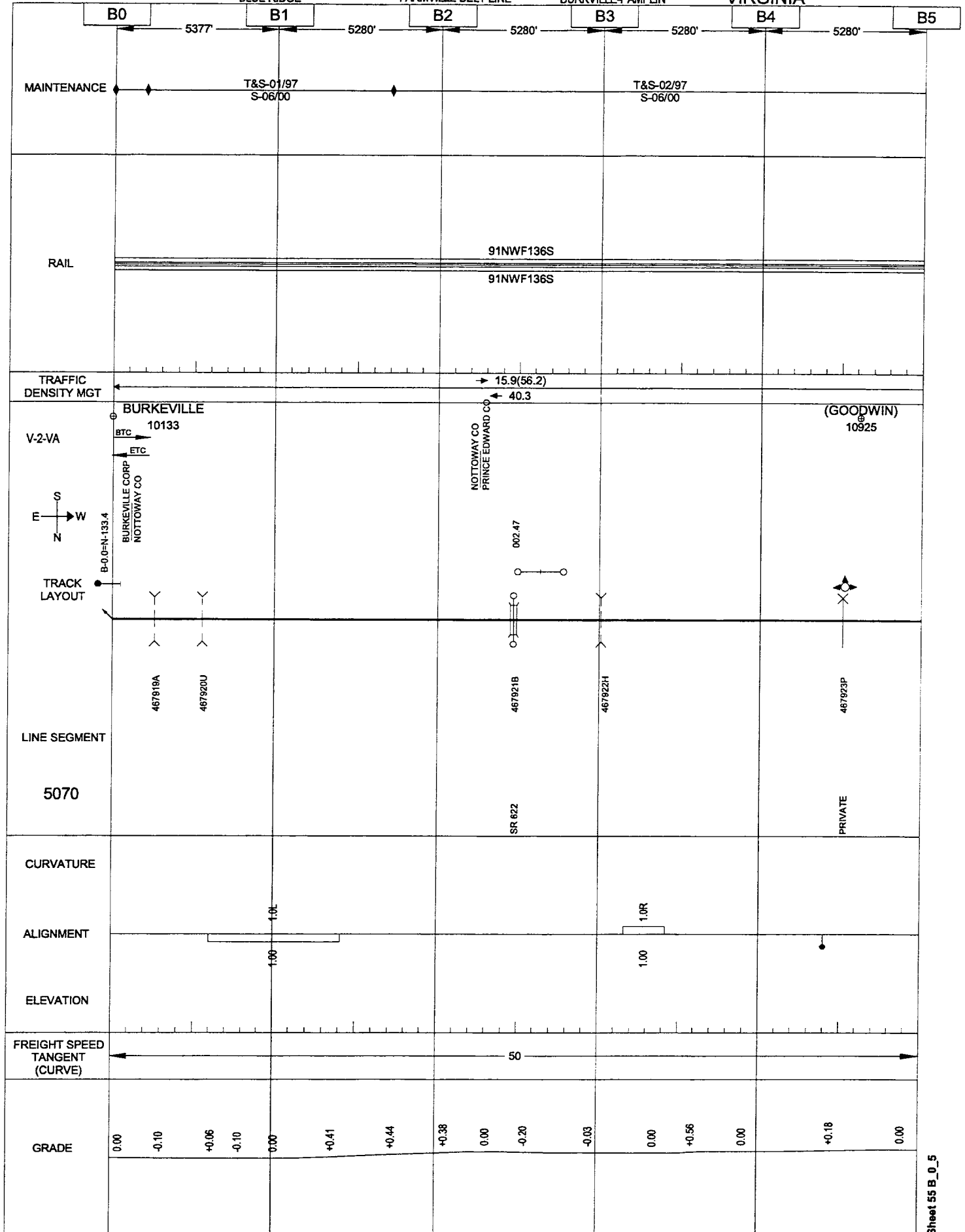
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BLUE RIDGE

FARMVILLE BELT LINE

BURKVILLE-PAMPLIN

VIRGINIA



037

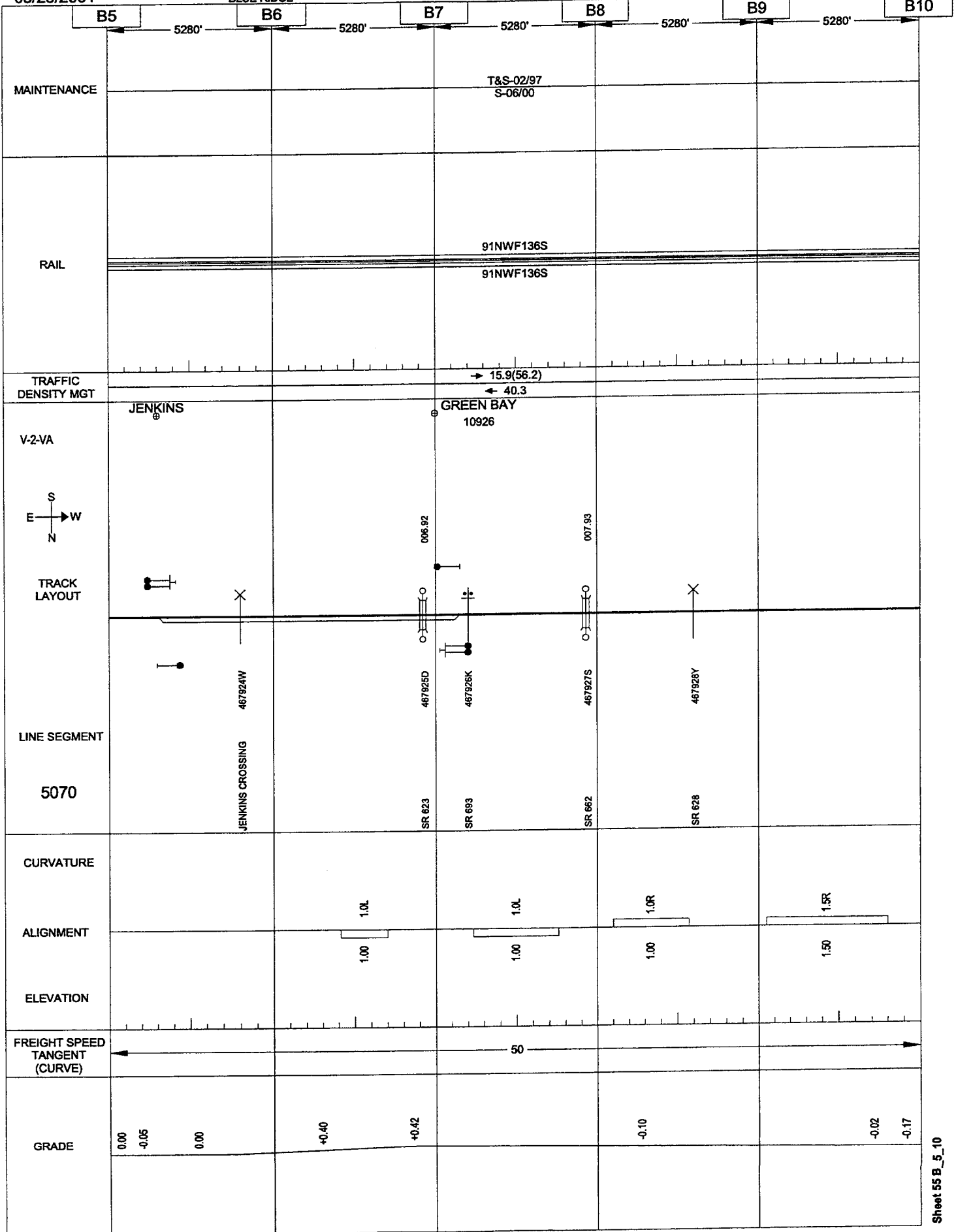
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BURKVILLE-PAMPLIN

VIRGINIA



038

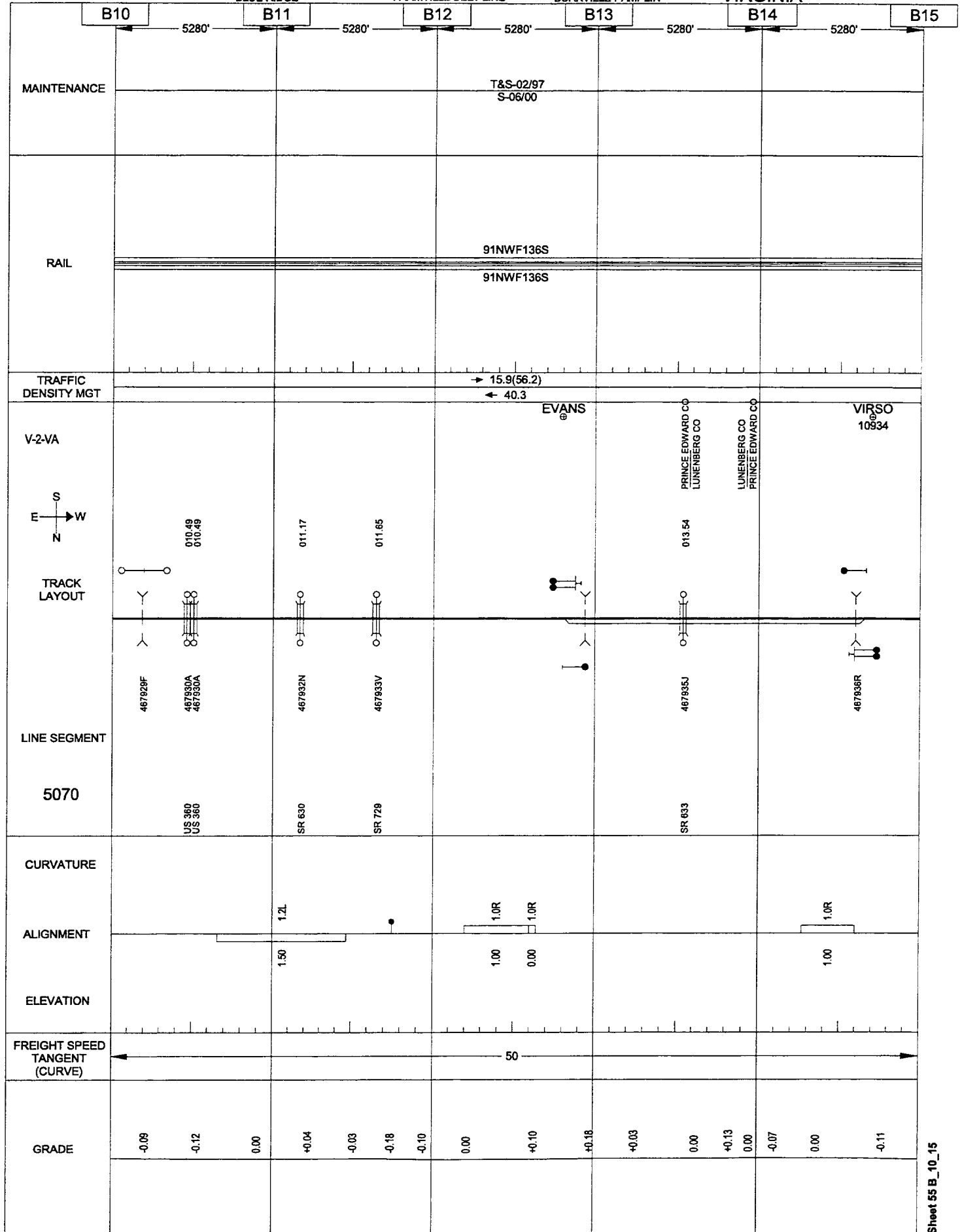
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BLUE RIDGE

FARMVILLE BELT LINE

BURKVILLE-PAMPLIN

VIRGINIA



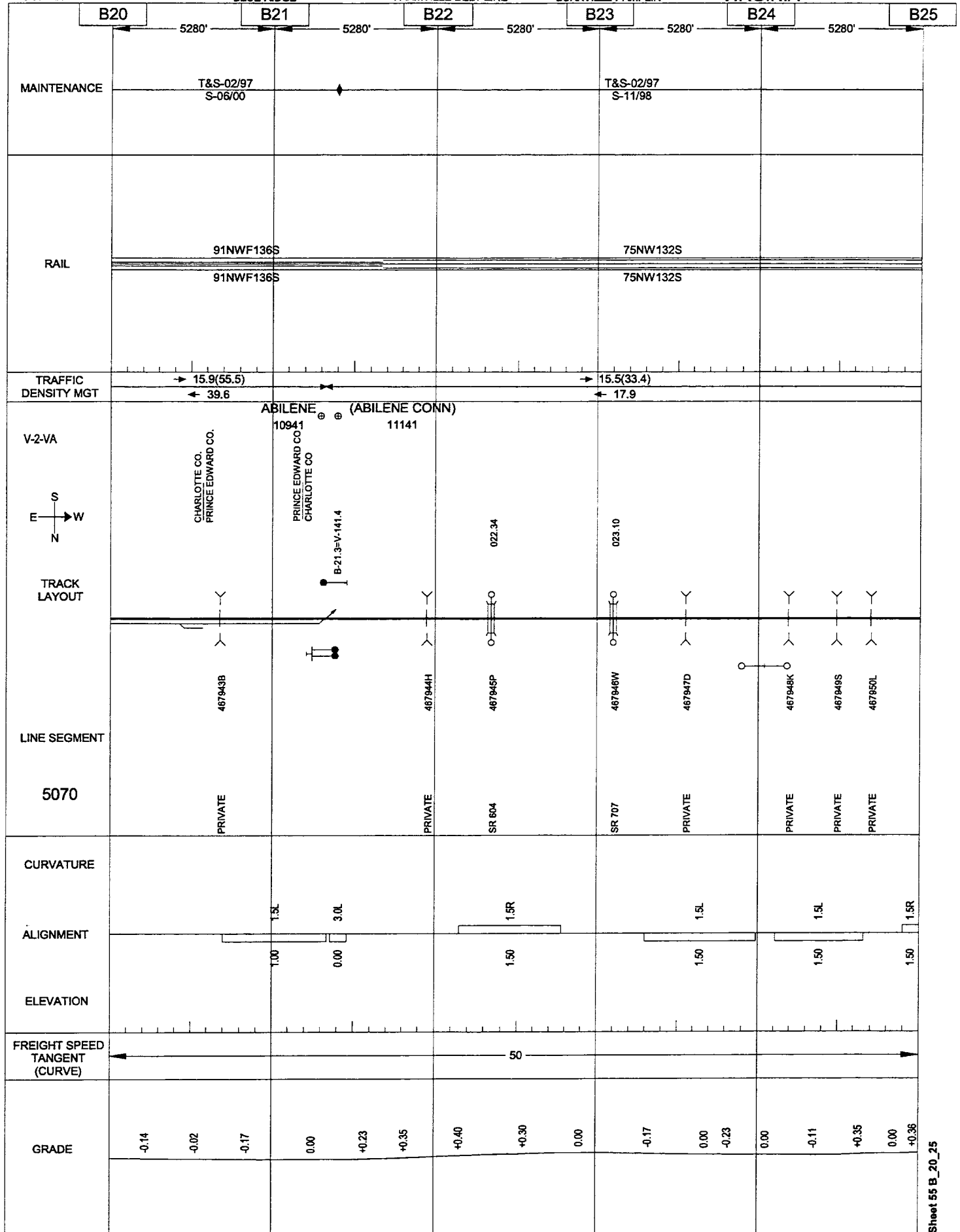
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BLUE RIDGE

FARMVILLE BELT LINE

BURKVILLE-PAMPLIN

VIRGINIA



041

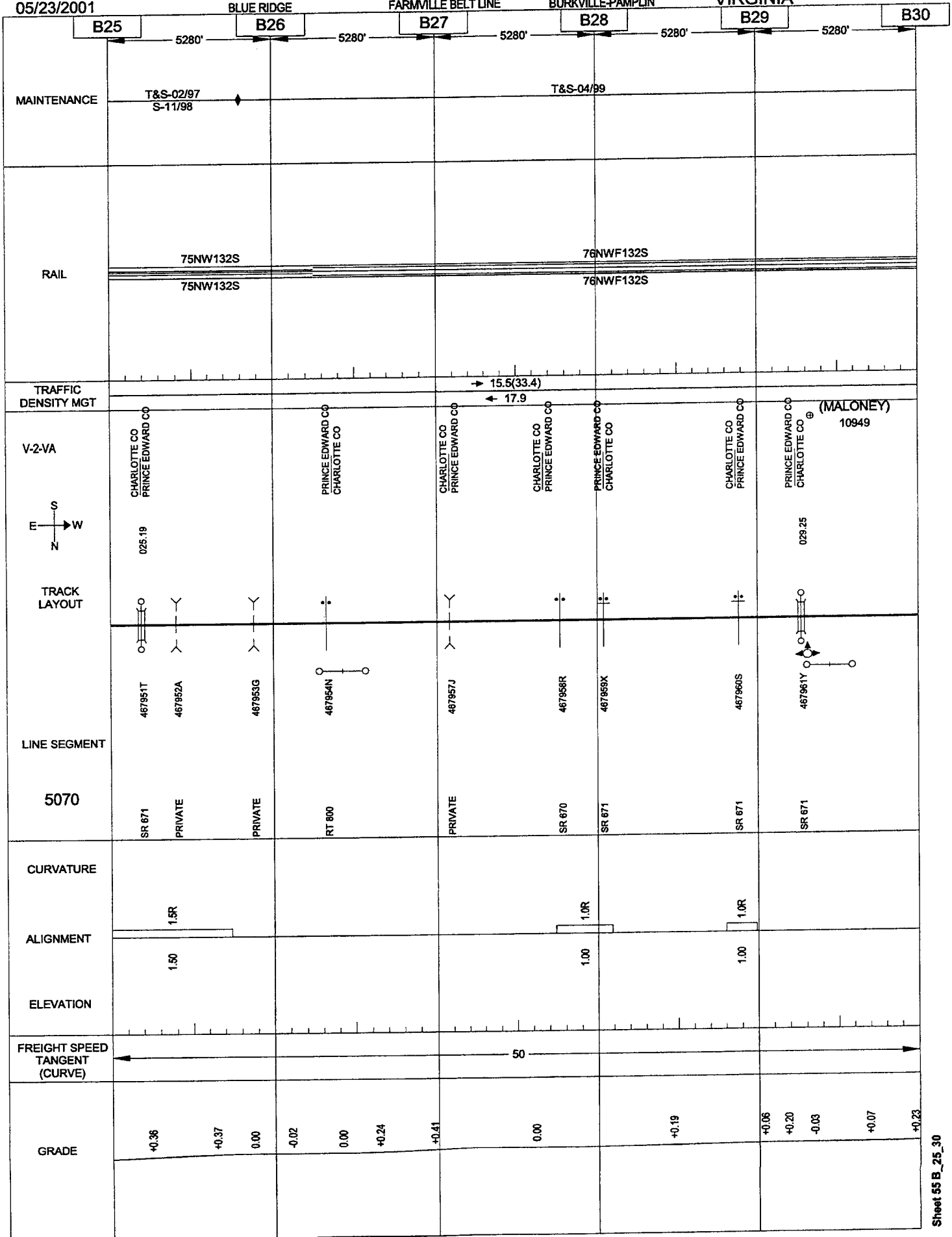
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BLUE RIDGE

FARMVILLE BELT LINE

BURKVILLE-PAMPLIN

VIRGINIA



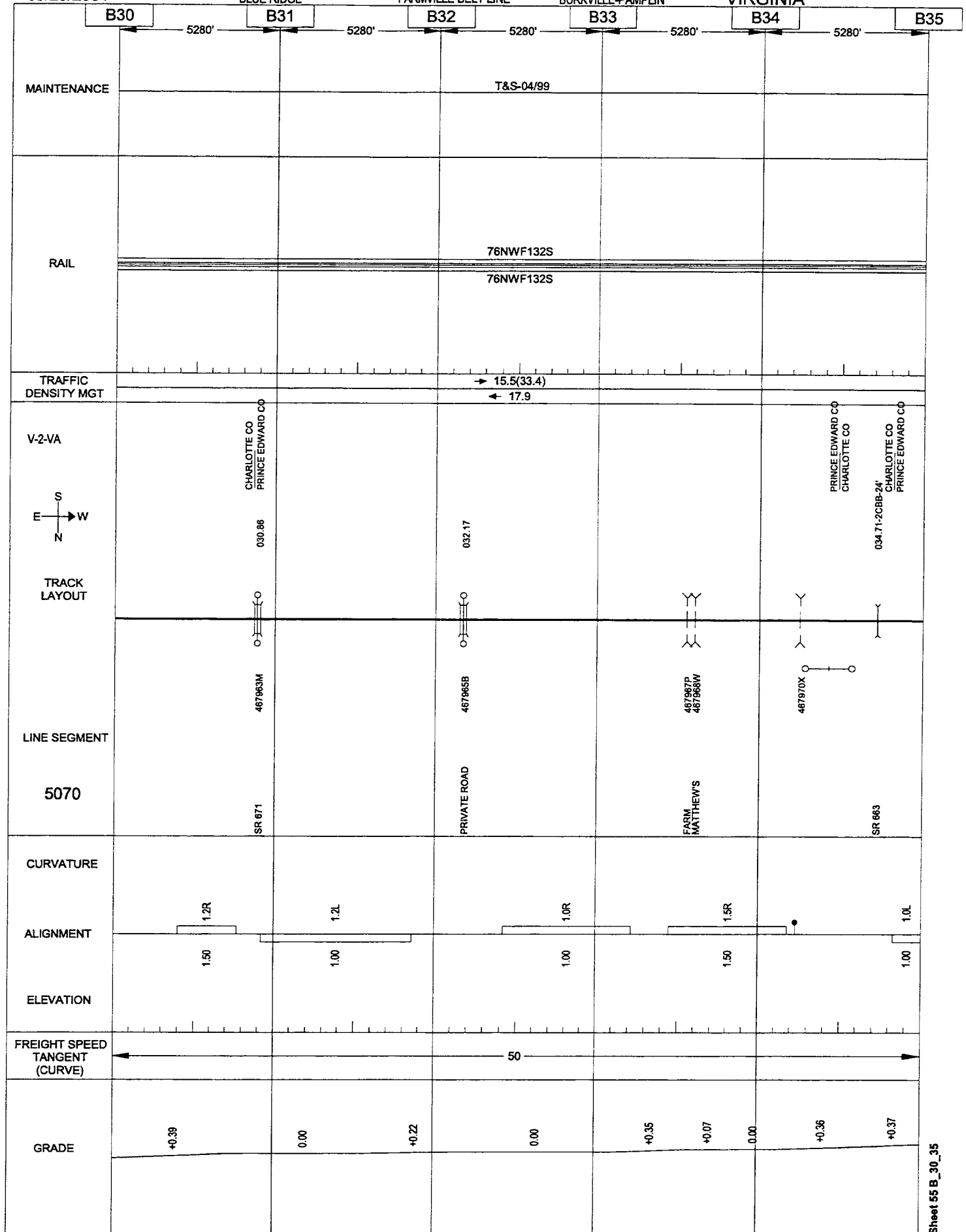
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BLUE RIDGE

FARMVILLE BELT LINE

BURKVILLE-PAMPLIN

VIRGINIA



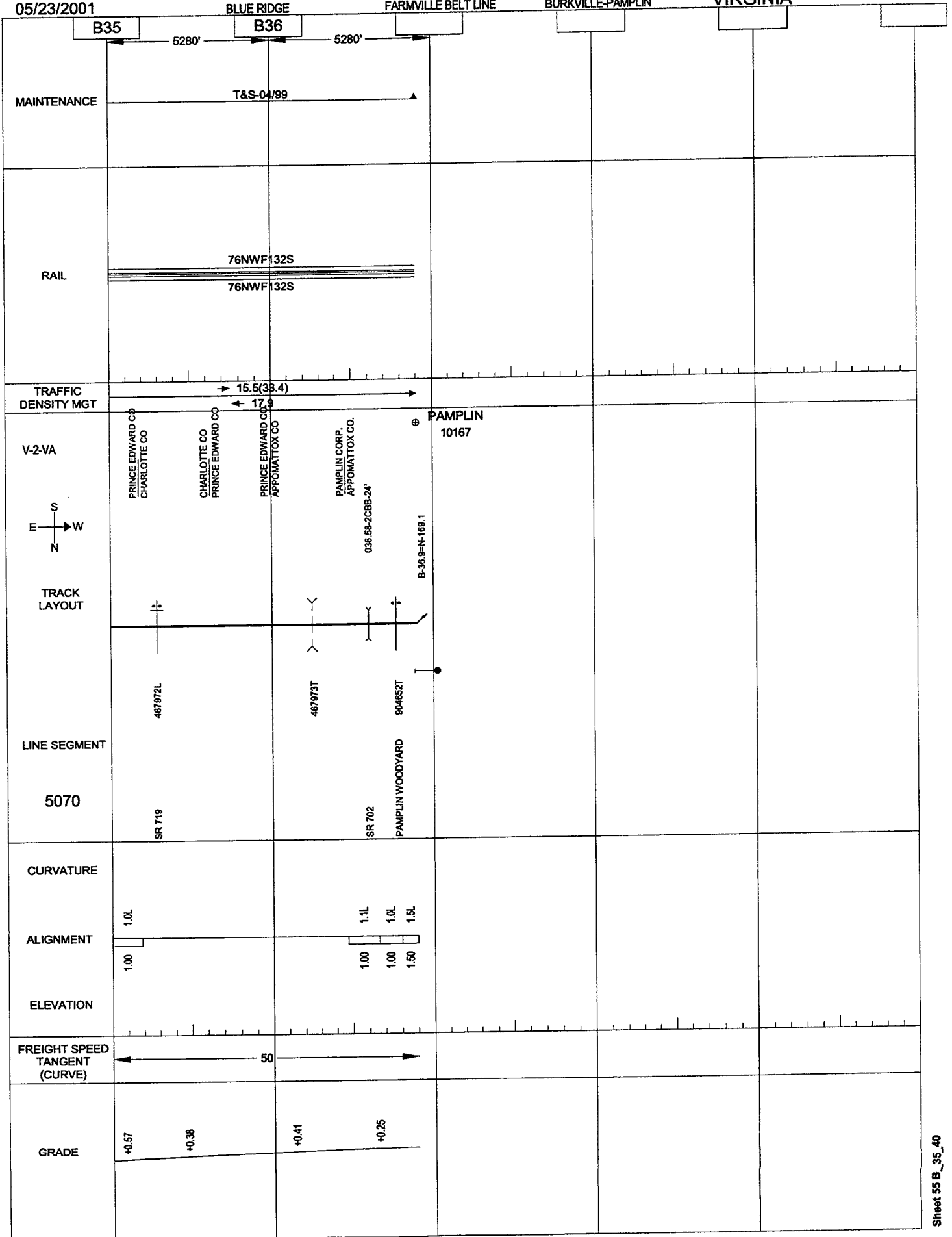
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BLUE RIDGE

FARMVILLE BELT LINE

BURKVILLE-PAMPLIN

VIRGINIA



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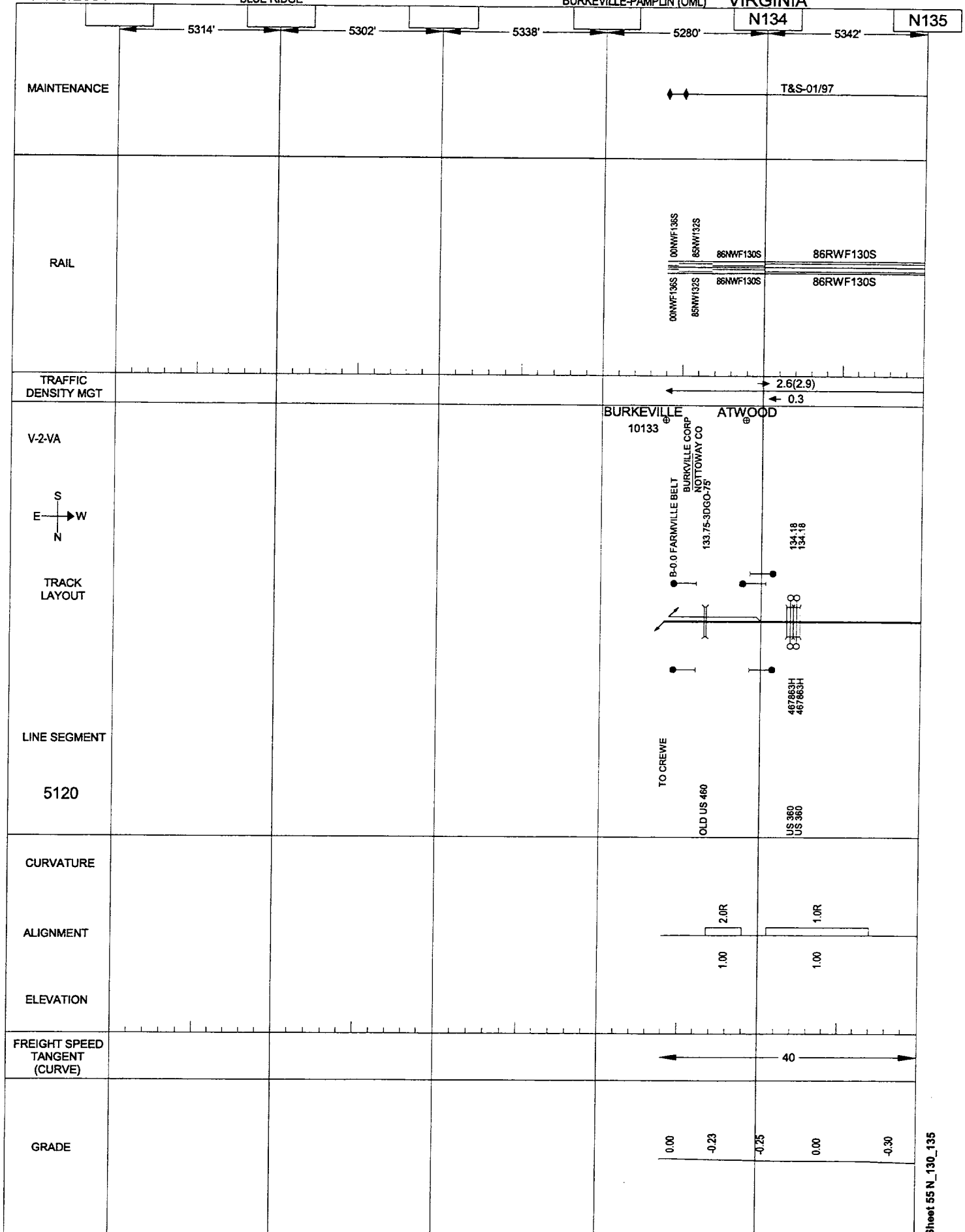
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BURKEVILLE-PAMPLIN (OML)

VIRGINIA

N134

N135

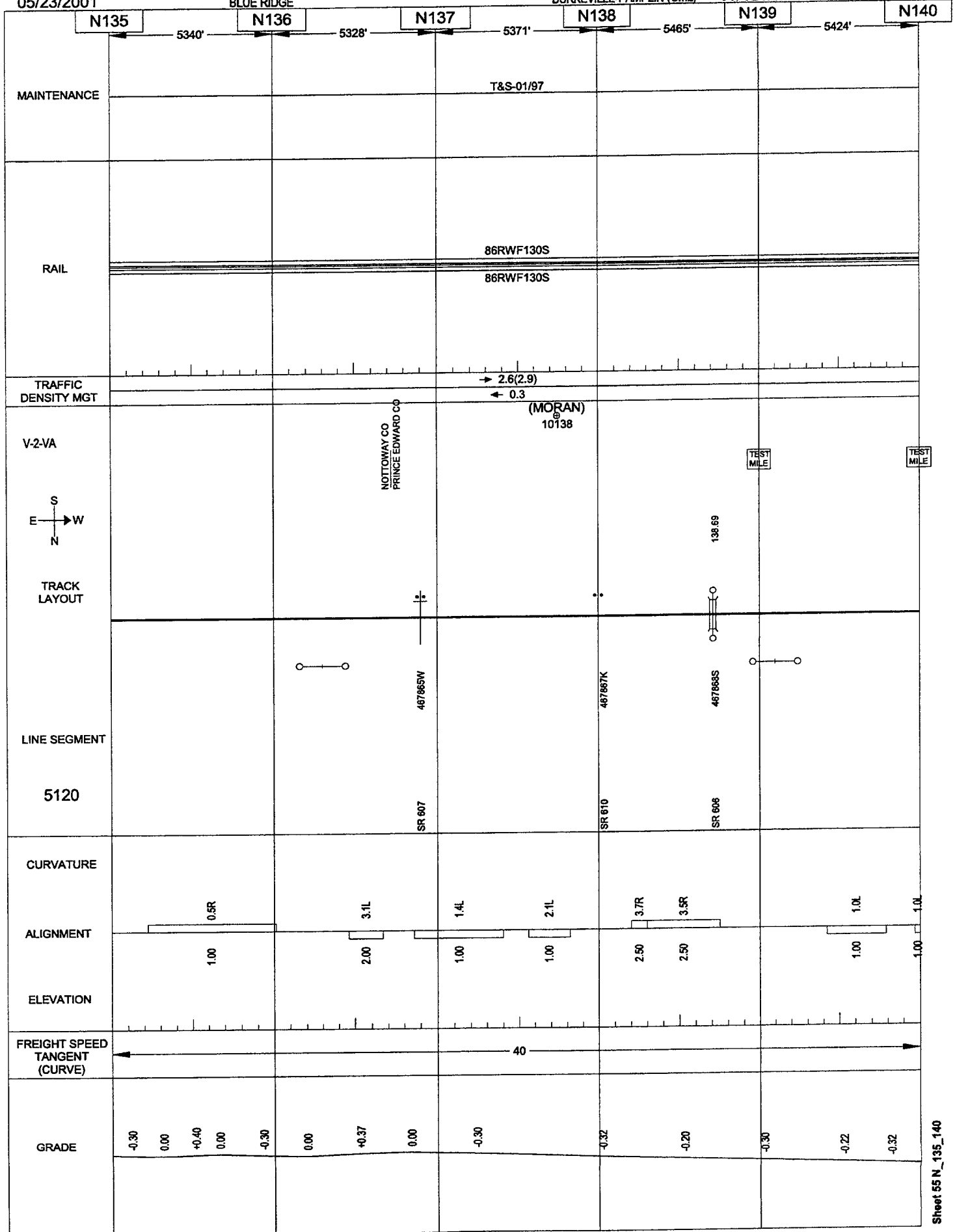


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BURKEVILLE-PAMPLIN (OML)

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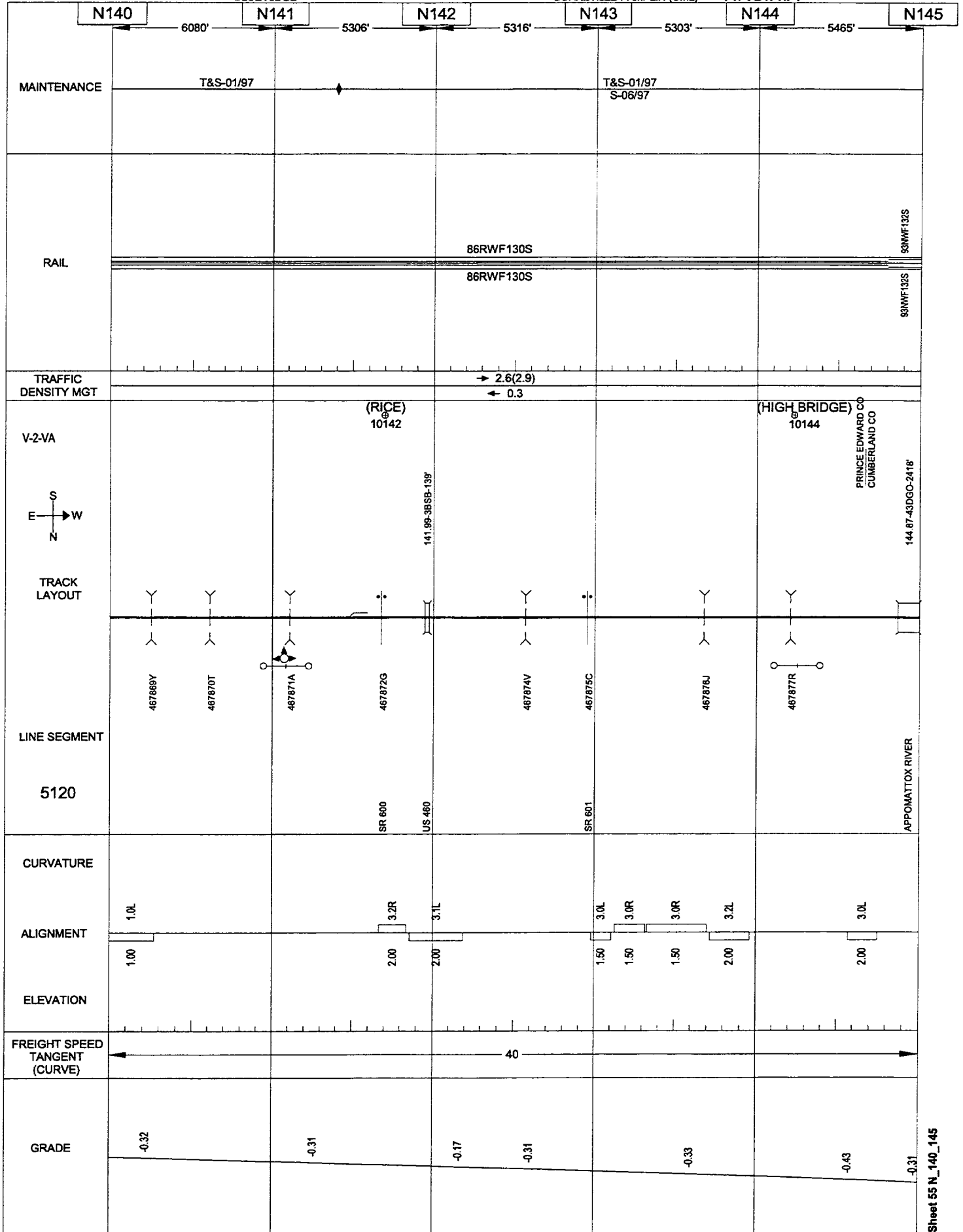


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BLUE RIDGE

BURKEVILLE-PAMPLIN (OML)

VIRGINIA

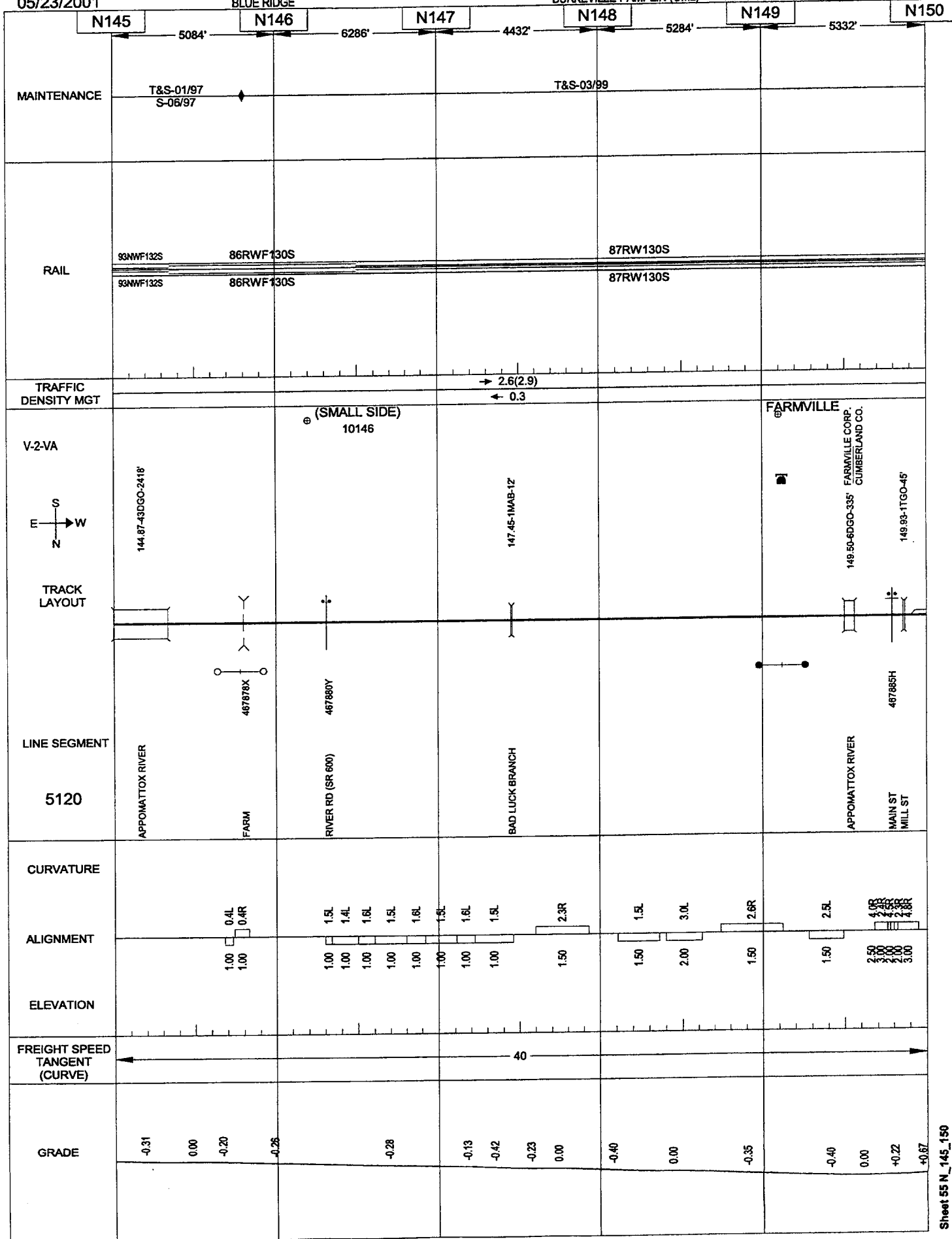


05/23/2001

BLUE RIDGE

BURKEVILLE-PAMPLIN (OML)

VIRGINIA



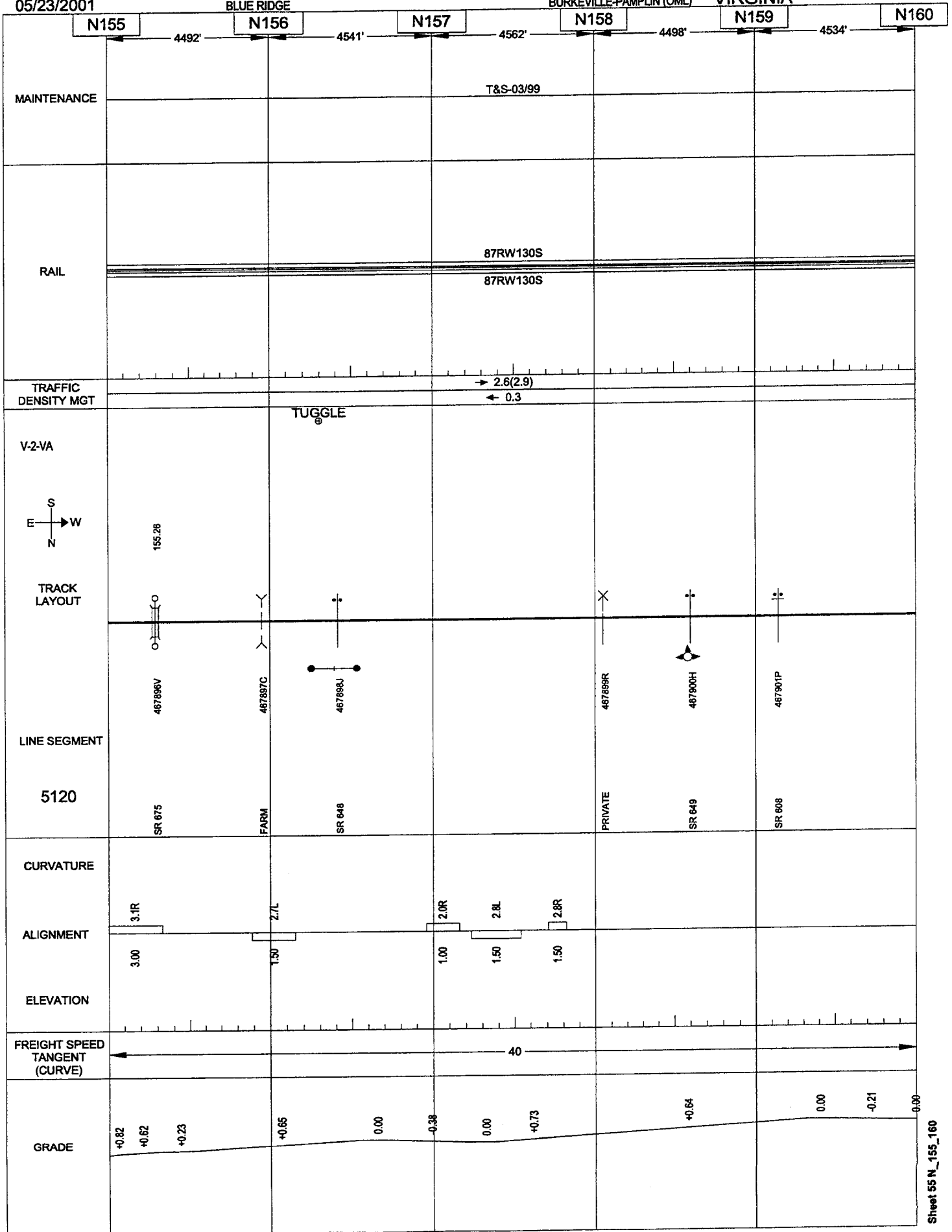
Sheet 55 N_150_155

05/23/2001

BLUE RIDGE

BURKEVILLE-PAMPLIN (OML)

VIRGINIA

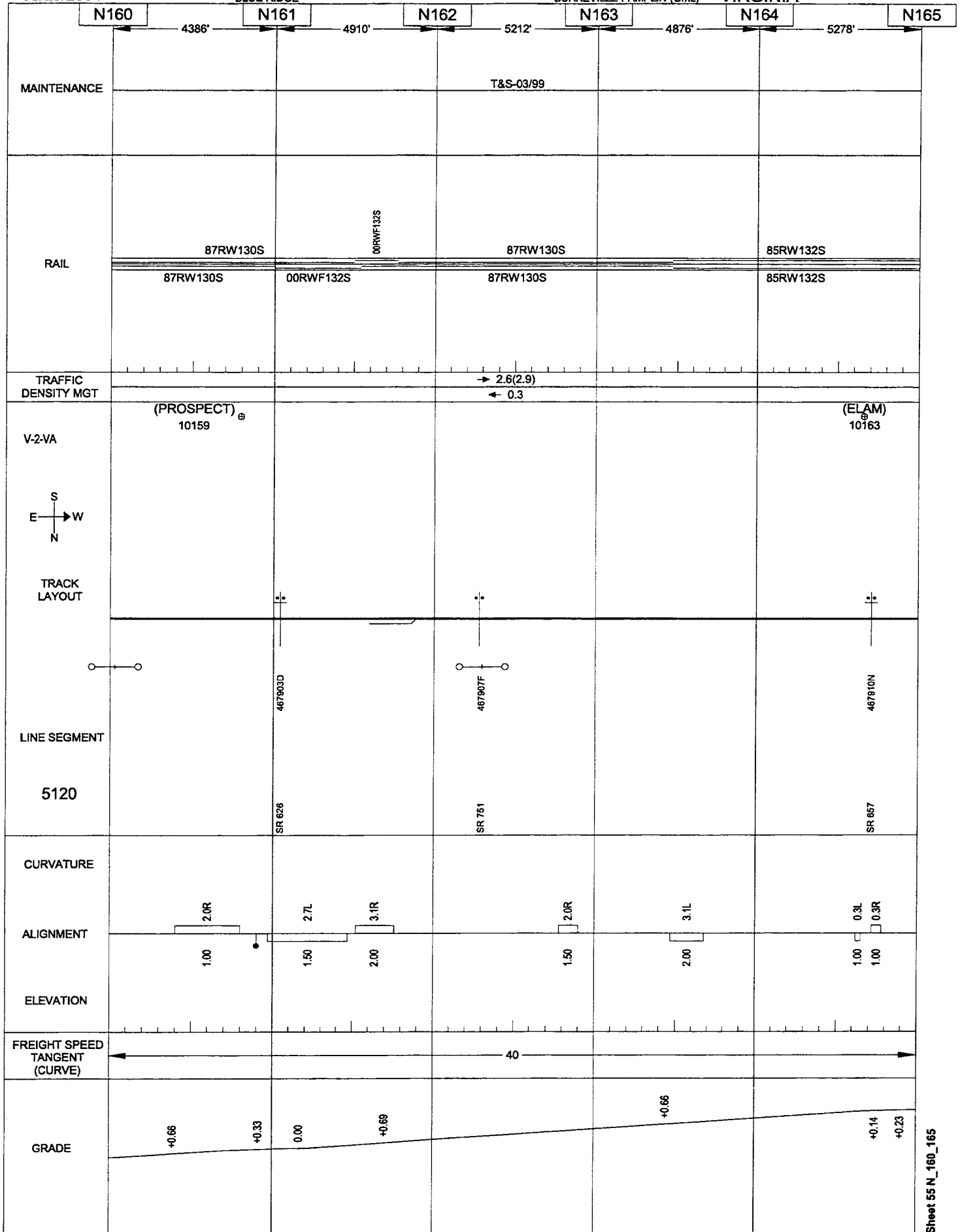


05/23/2001

BLUE RIDGE

BURKEVILLE-PAMPLIN (OML)

VIRGINIA

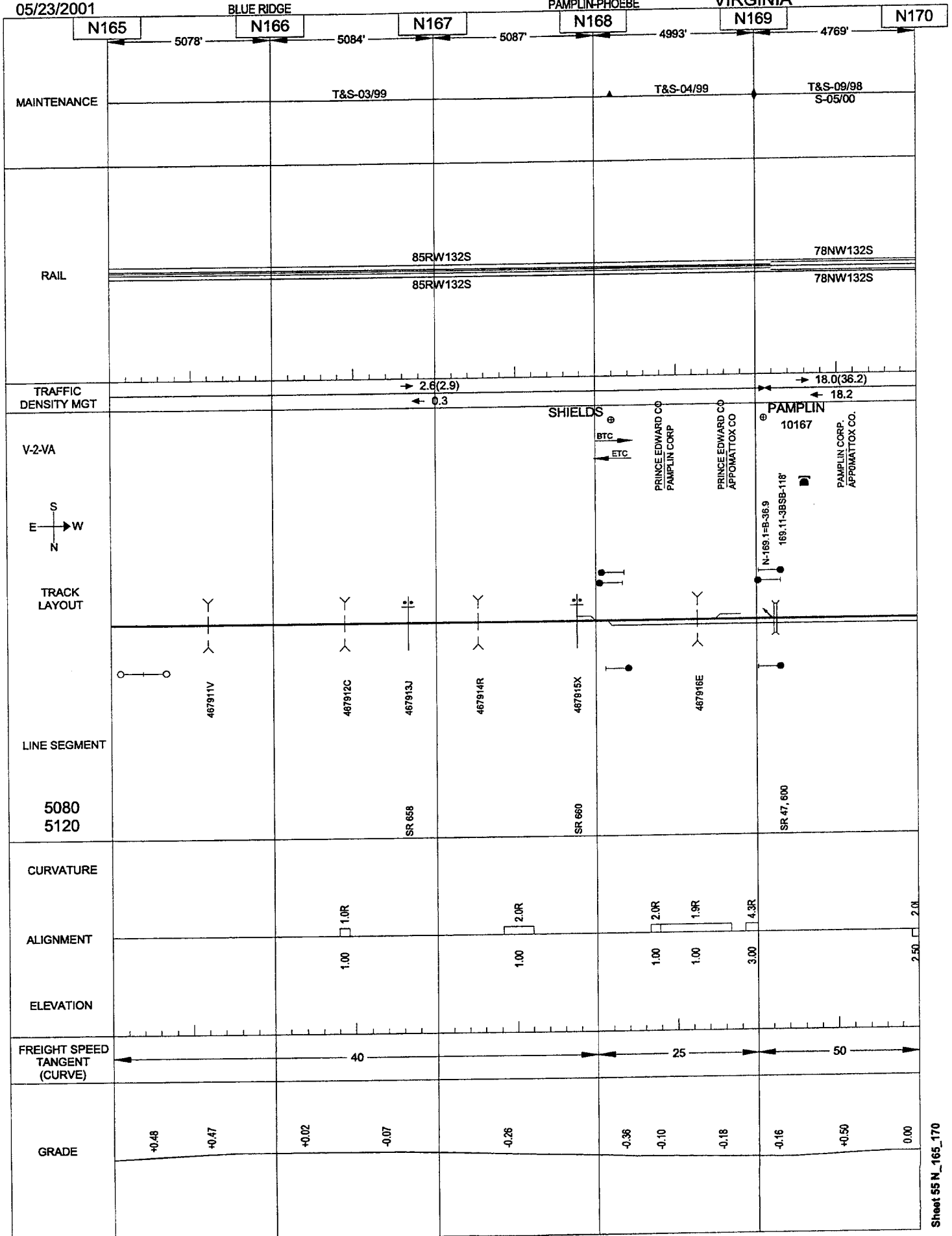


05/23/2001

BLUE RIDGE

PAMPLIN-PHOEBE

VIRGINIA

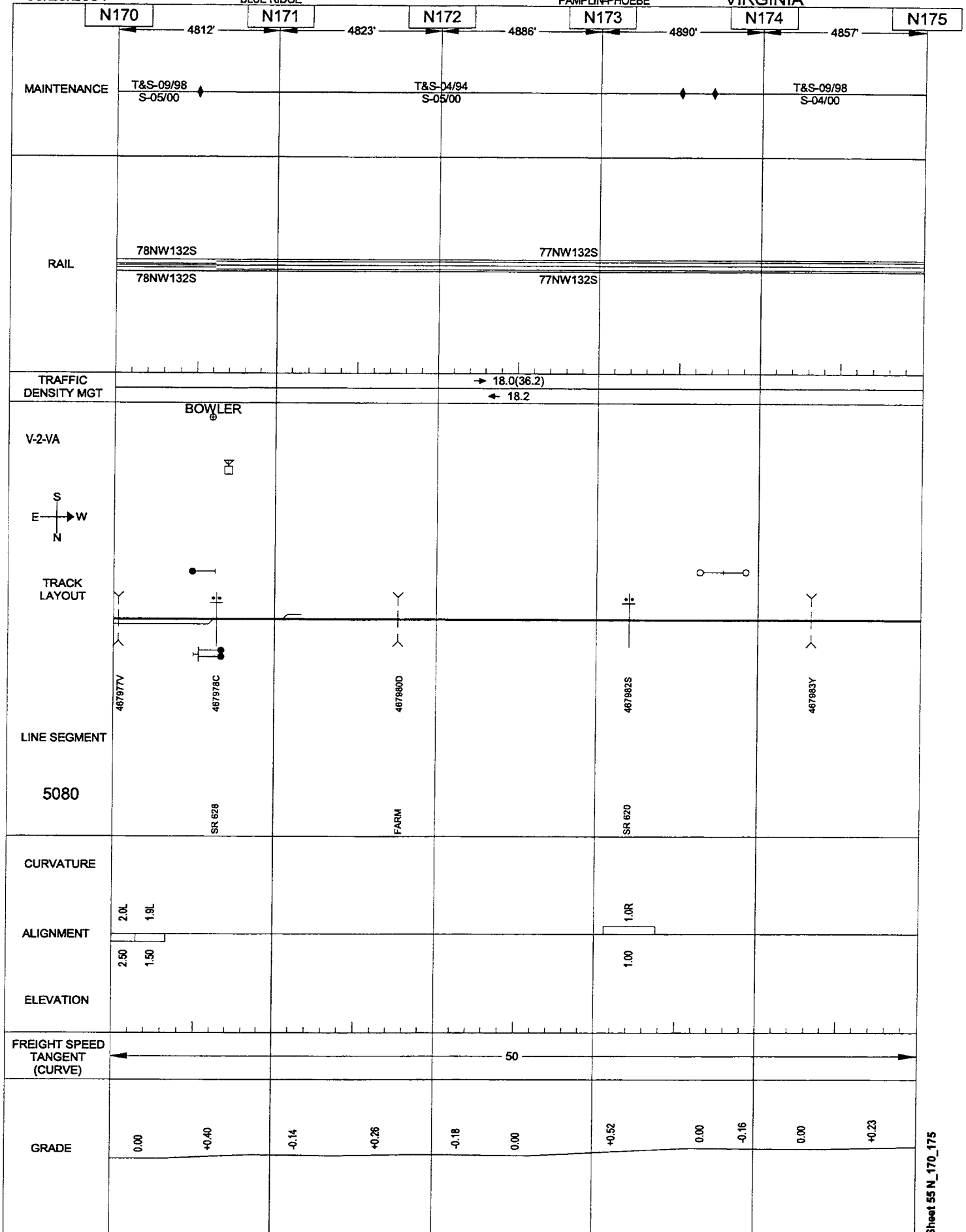


05/23/2001

BLUE RIDGE

PAMPLIN-PHOEBE

VIRGINIA

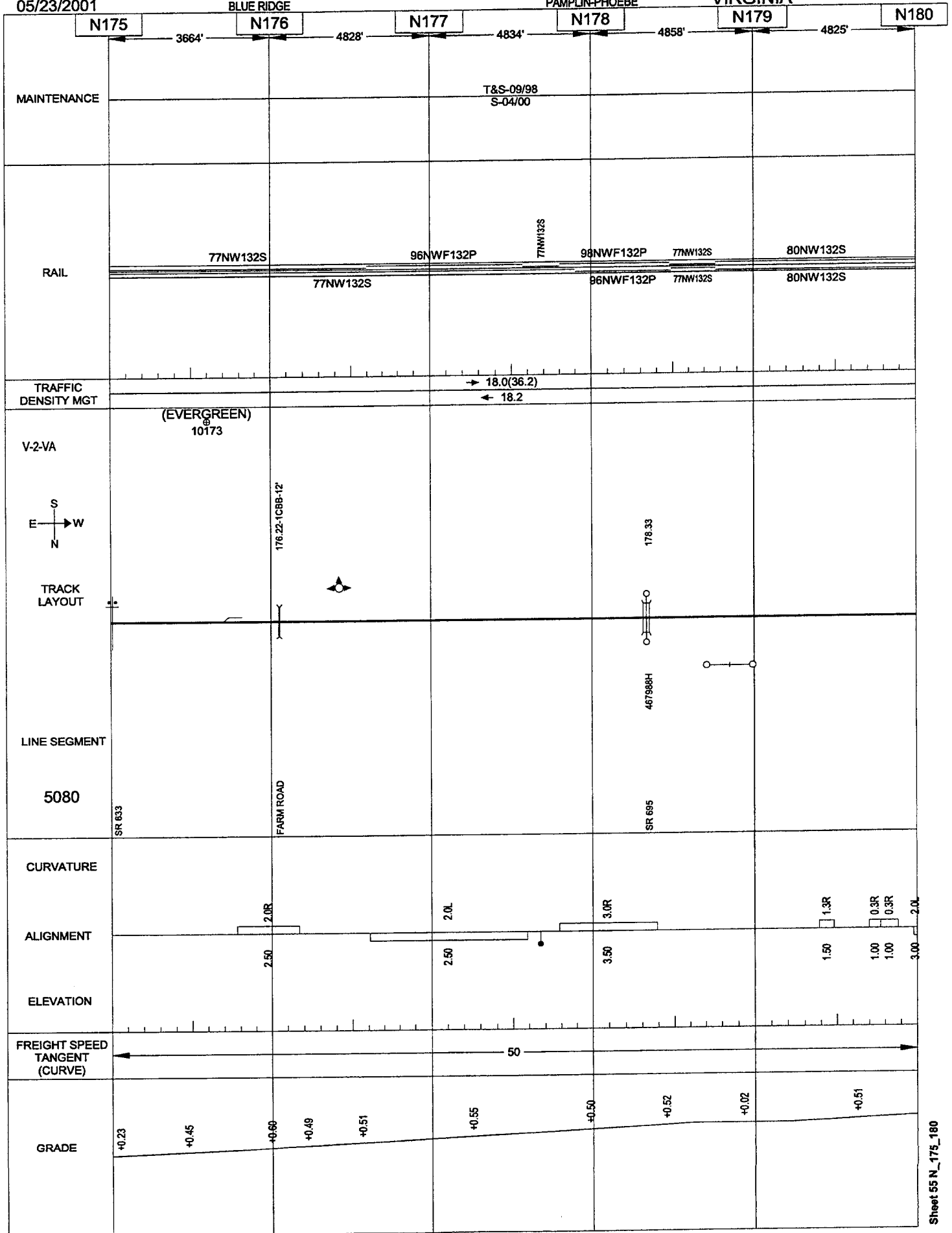


05/23/2001

BLUE RIDGE

PAMPLIN-PHOEBE

VIRGINIA



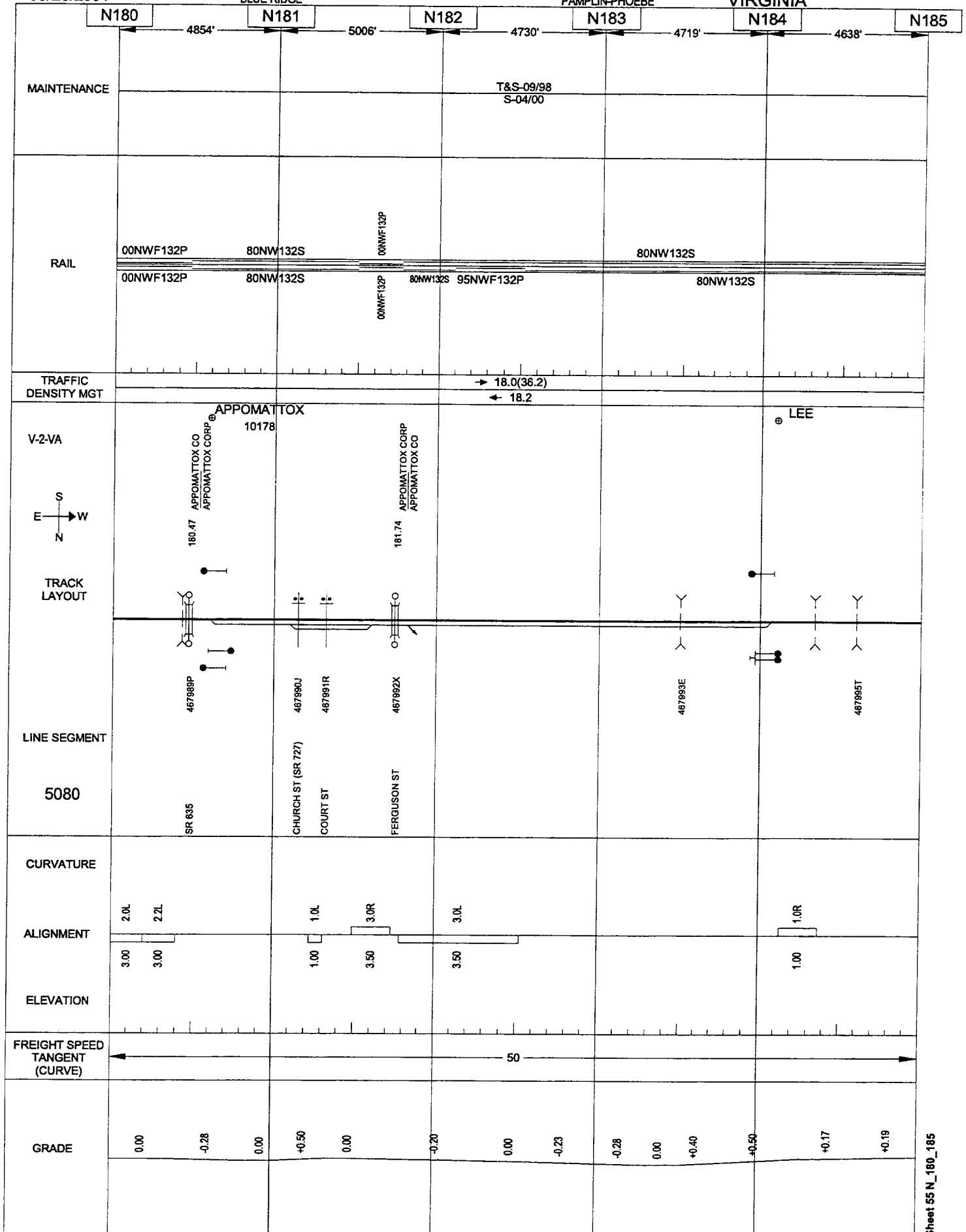
05/23/2001

054

BLUE RIDGE

PAMPLIN-PHOEBE

VIRGINIA

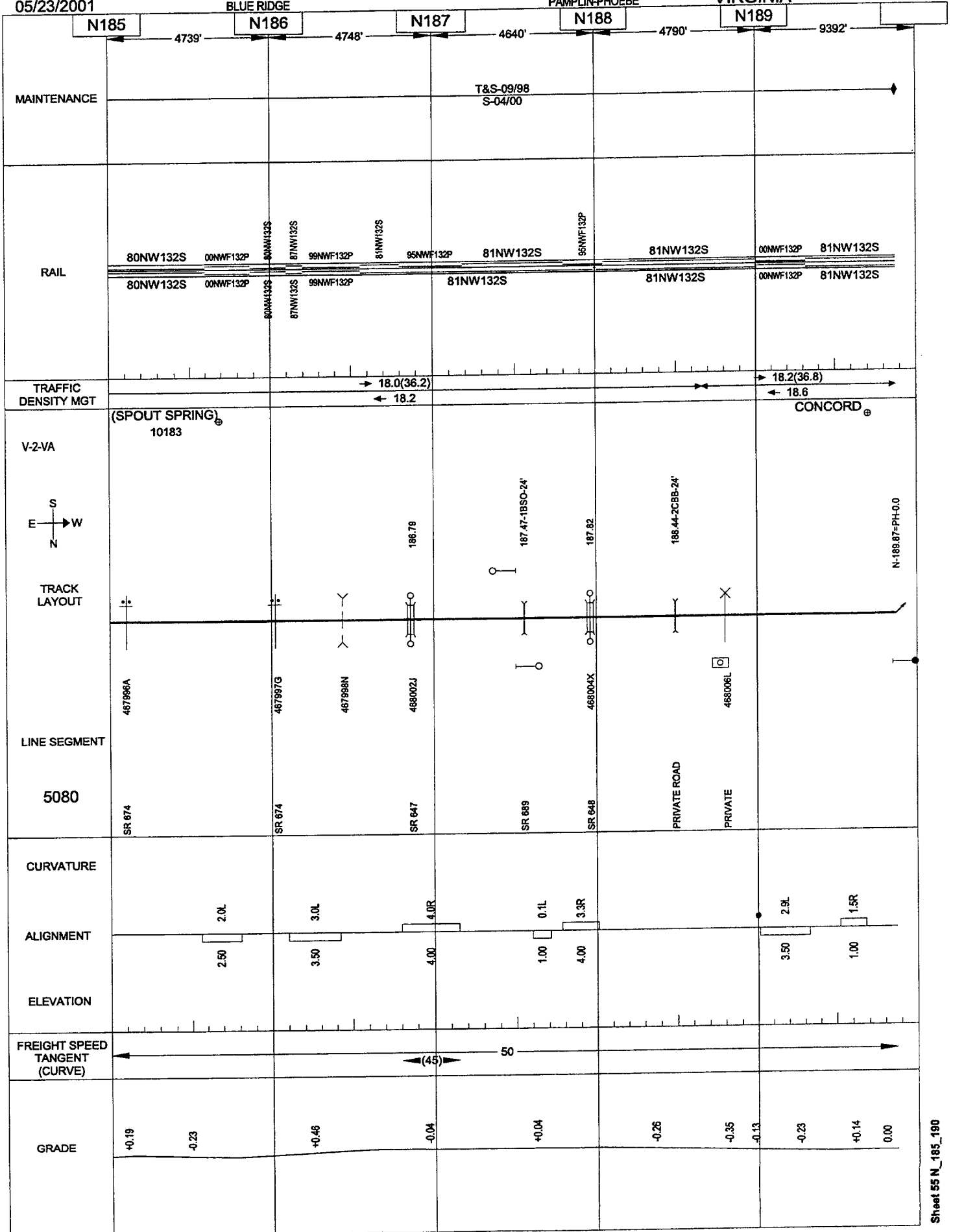


05/23/2001

BLUE RIDGE

PAMPLIN-PHOEBE

VIRGINIA



05/23/2001

056

BLUE RIDGE

HALSEY SPUR (O.M.L.)

HALSEY-FOREST

VIRGINIA

N208

N209

N210

5280'

5270'

5250'

MAINTENANCE

T&S-10/89

RAIL

27RJ130S

28RJ130S

27RJ130S

28RJ130S

TRAFFIC
DENSITY MGT

→ 0.1(0.2)

→ 0.1(0.3)

← 0.2

← 0.2

V-2-VA

ITO

(HALSEY)

10203

(SIMS)

10204

S
E → W
N

TRACK
LAYOUT

THOMAS CEMENT

LINE SEGMENT

5260

208.20

468344J

SR 281

SIMS WHOLESALE CO
FOREST BROOK RD

468343C

SR 281

208.89

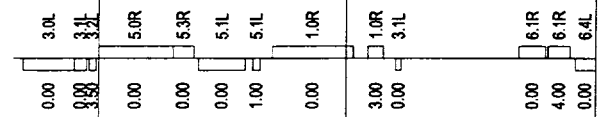
468342V

SR 281

CURVATURE

ALIGNMENT

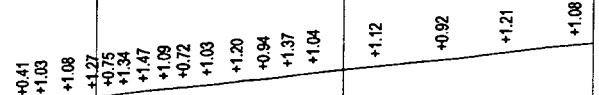
ELEVATION



FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE



057

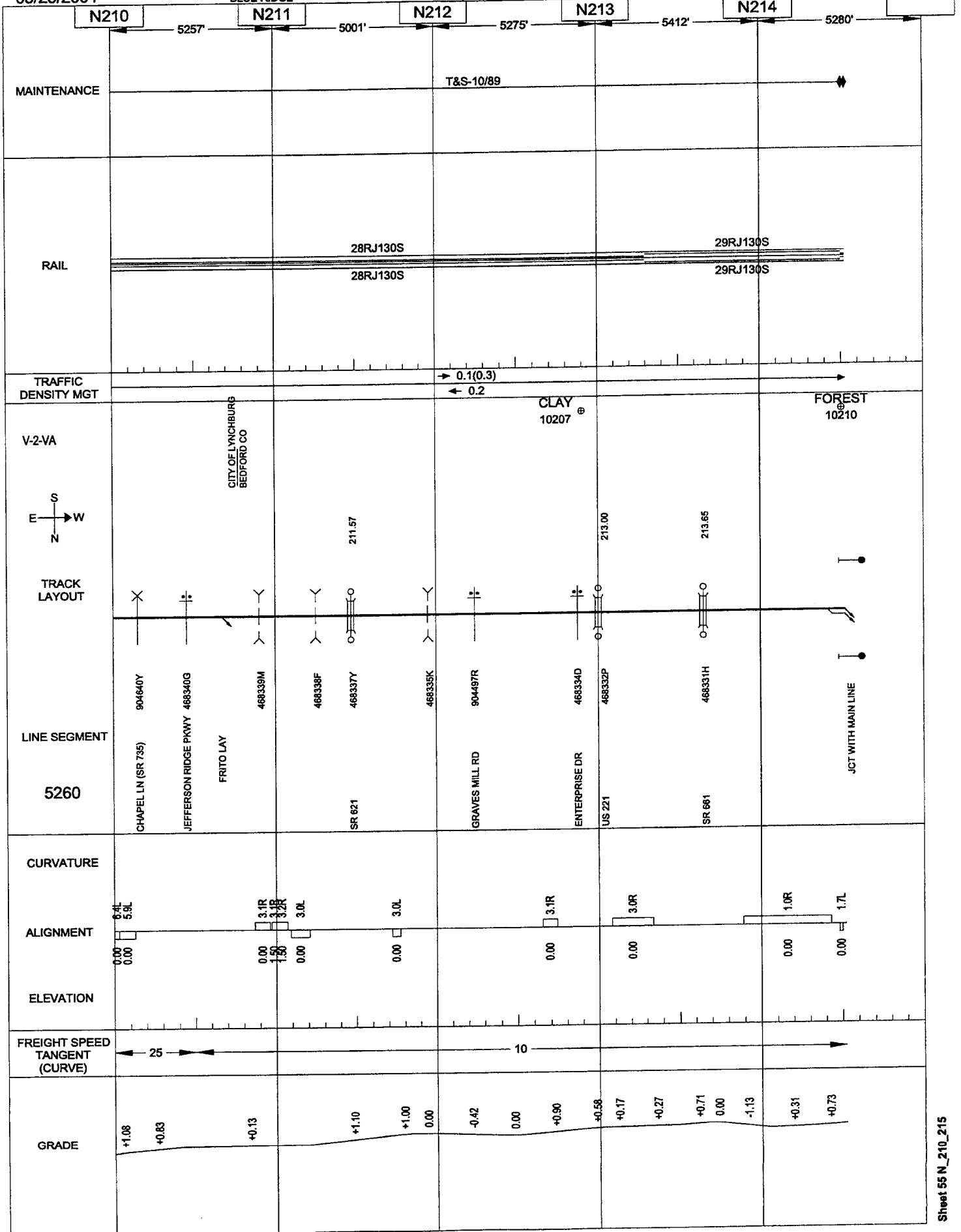
05/23/2001

BLUE RIDGE

HALSEY SPUR(OML)

HALSEY-FOREST

VIRGINIA



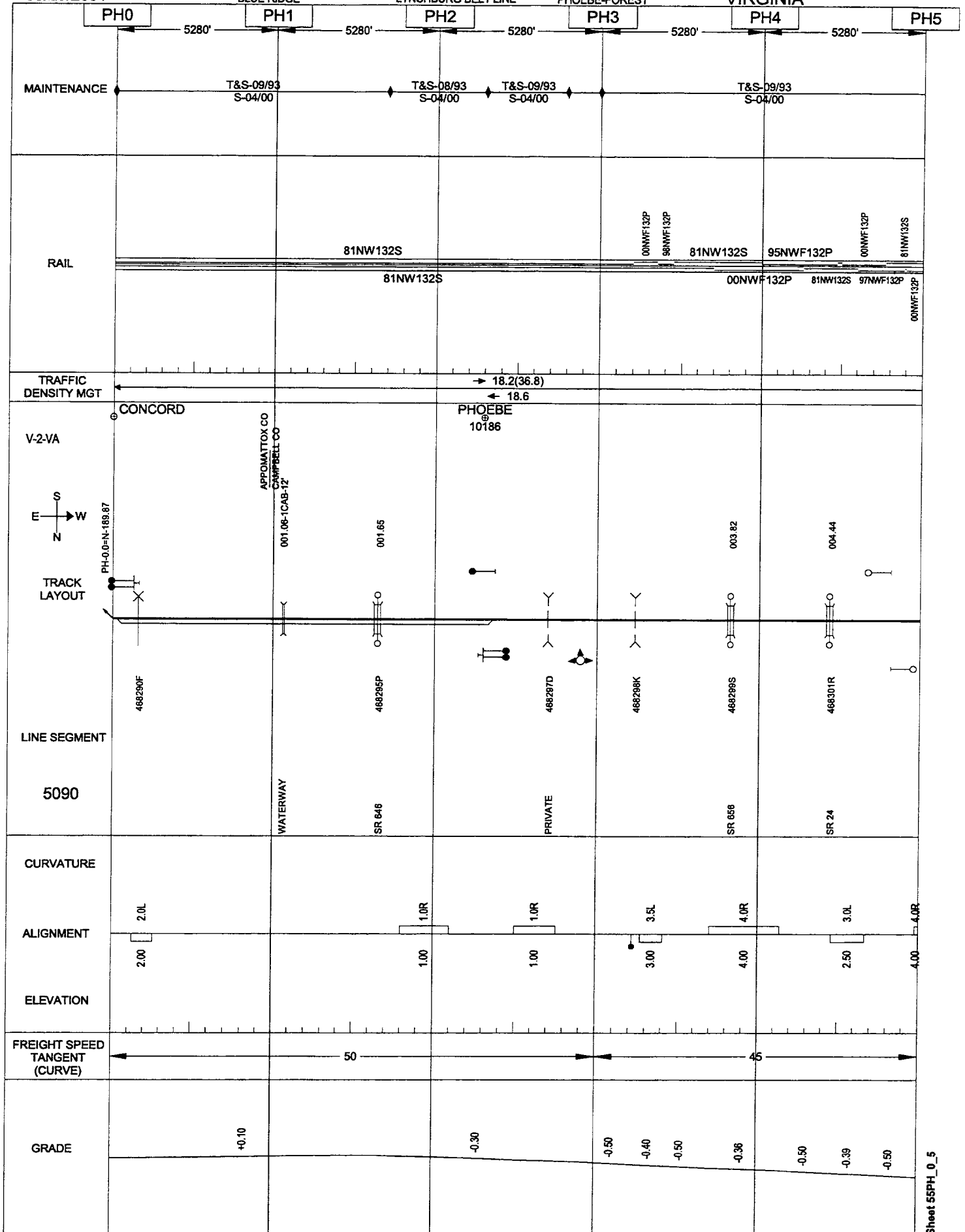
05/23/2001

BLUE RIDGE

LYNCHBURG BELT LINE

PHOEBE-FOREST

VIRGINIA



059

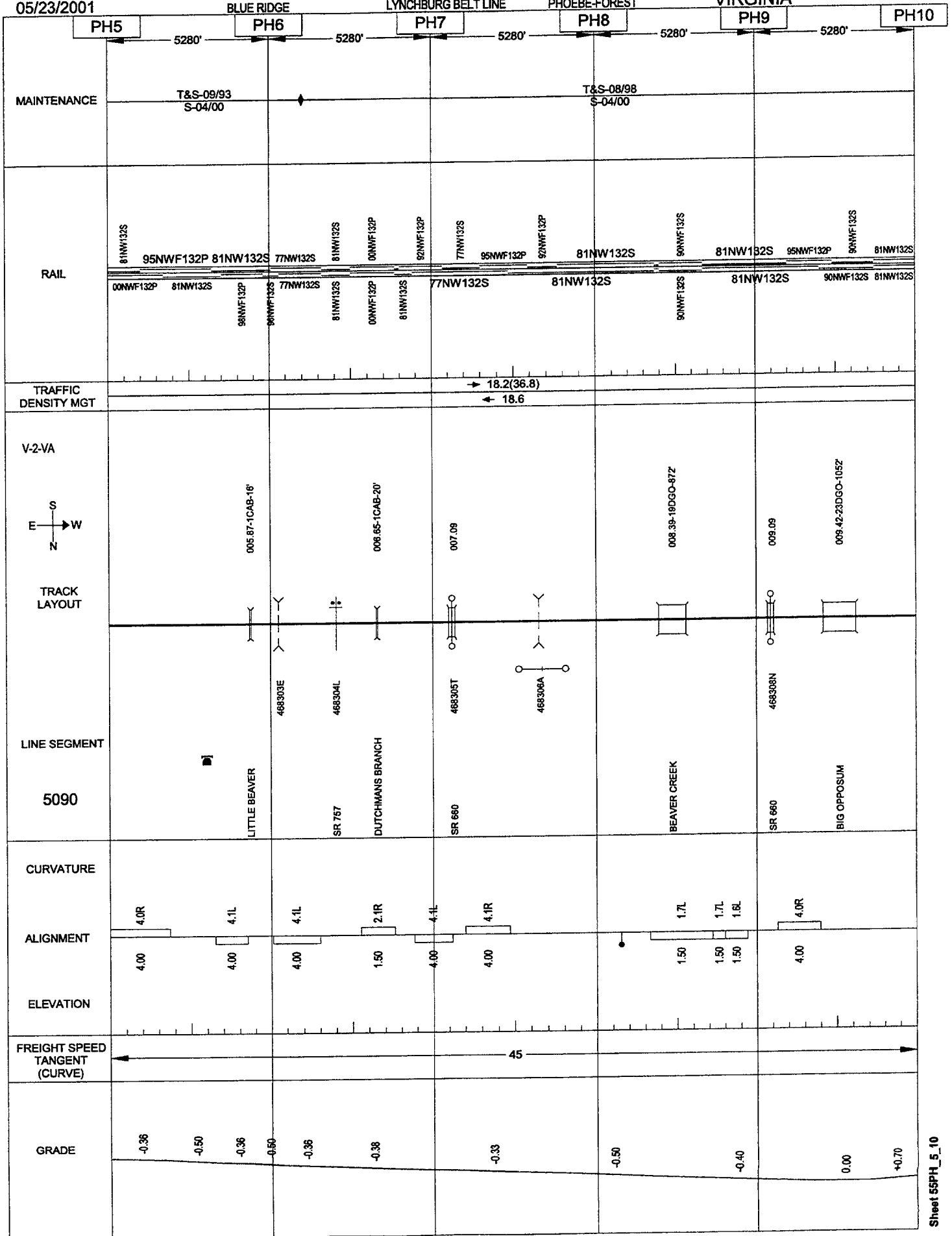
05/23/2001

BLUE RIDGE

LYNCHBURG BELT LINE

PHOEBE-FOREST

VIRGINIA



060

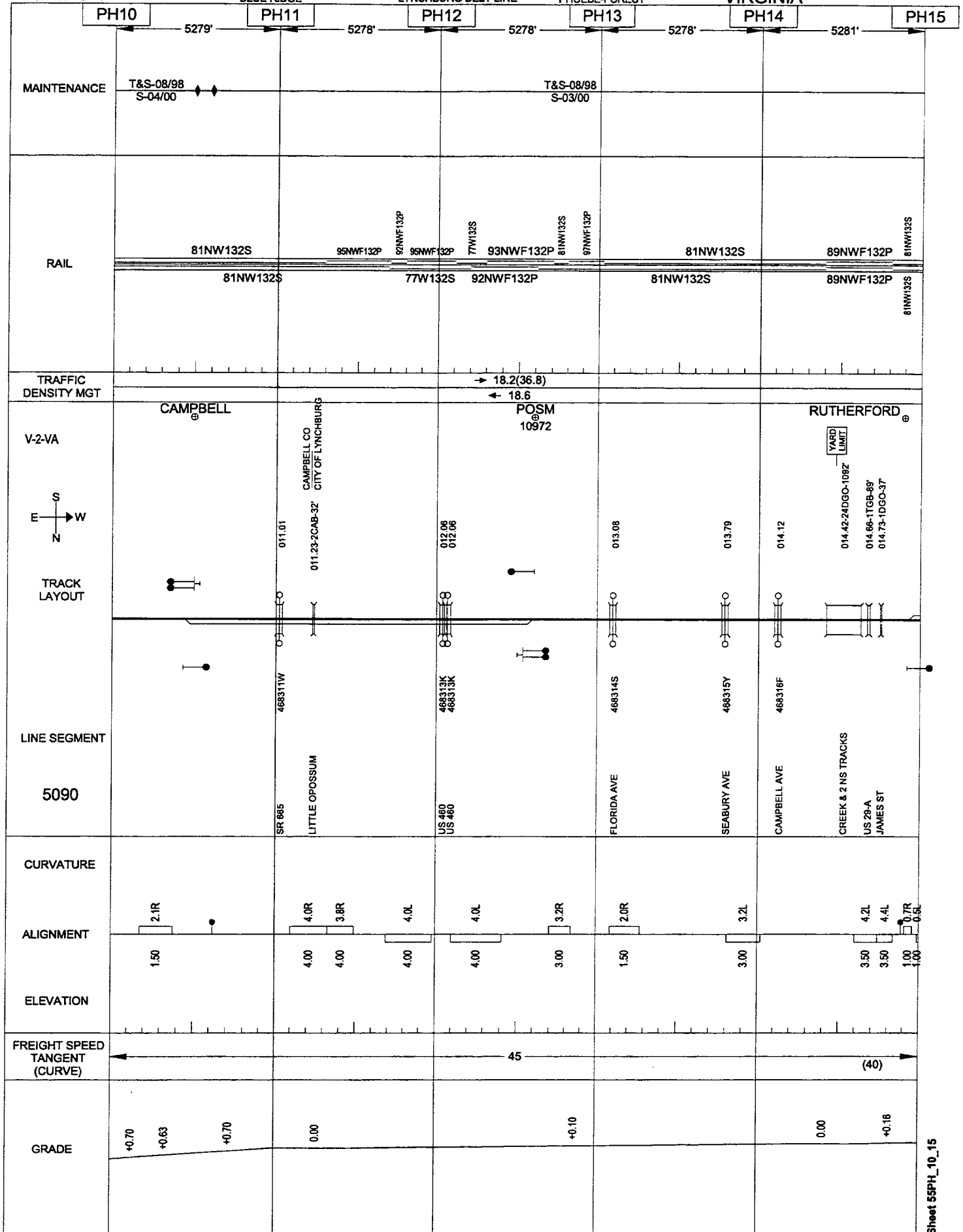
05/23/2001

BLUE RIDGE

LYNCHBURG BELT LINE

PHOEBE-FOREST

VIRGINIA



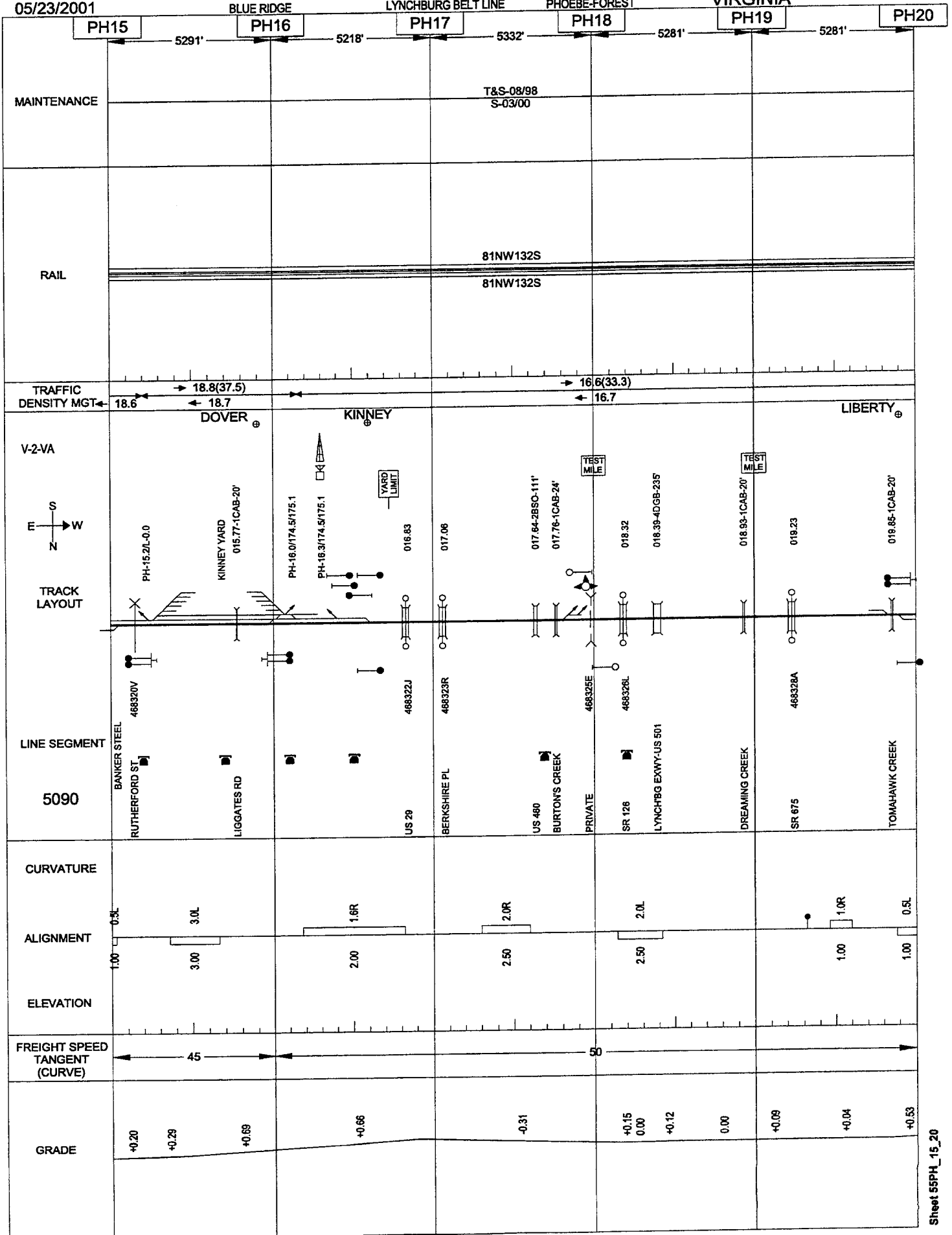
05/23/2001

BLUE RIDGE

LYNCHBURG BELT LINE

PHOEBE-FOREST

VIRGINIA



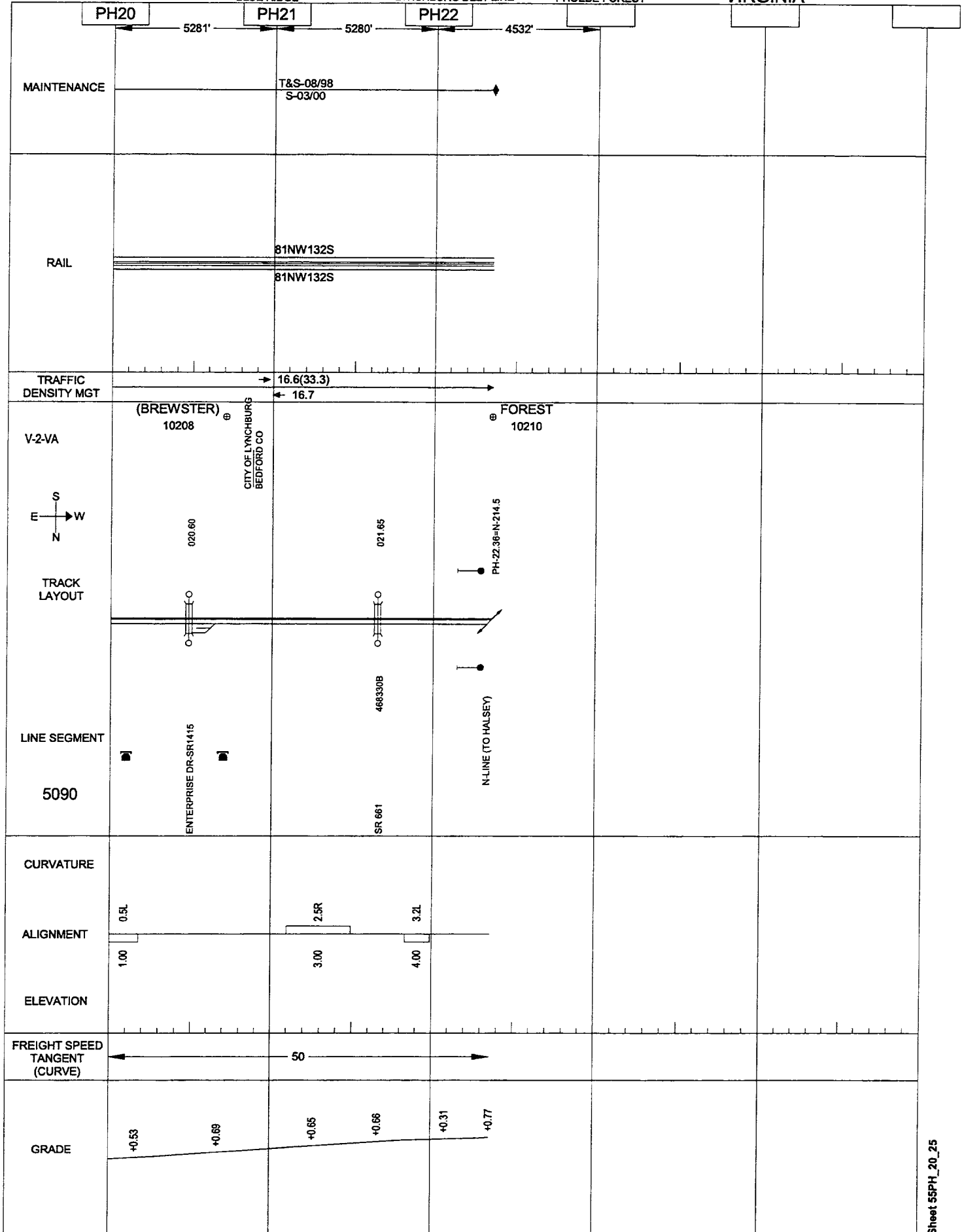
05/23/2001

BLUE RIDGE

LYNCHBURG BELT LINE

PHOEBE-FOREST

VIRGINIA



063

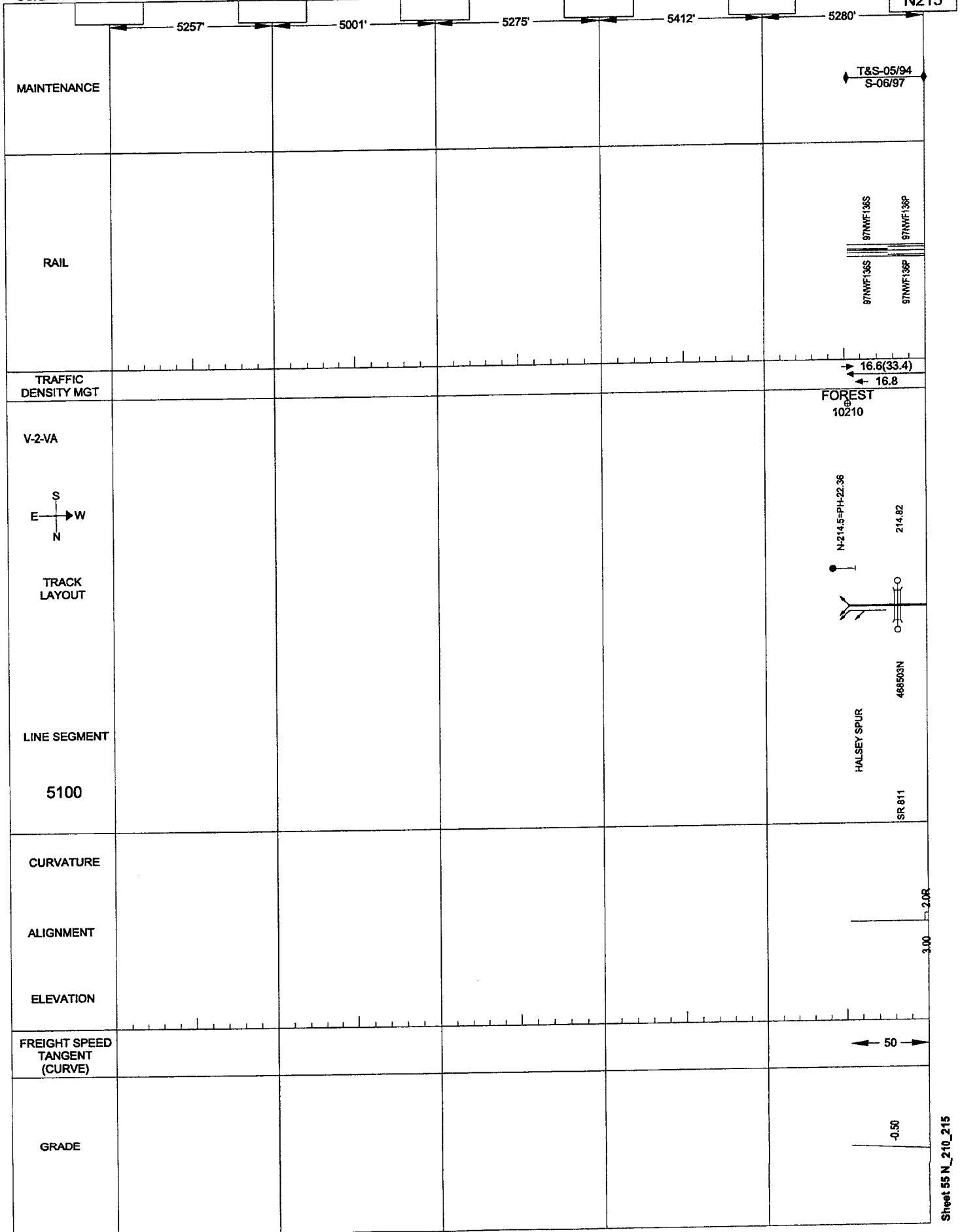
05/23/2001

BLUE RIDGE

FOREST-ROANOKE

VIRGINIA

N215

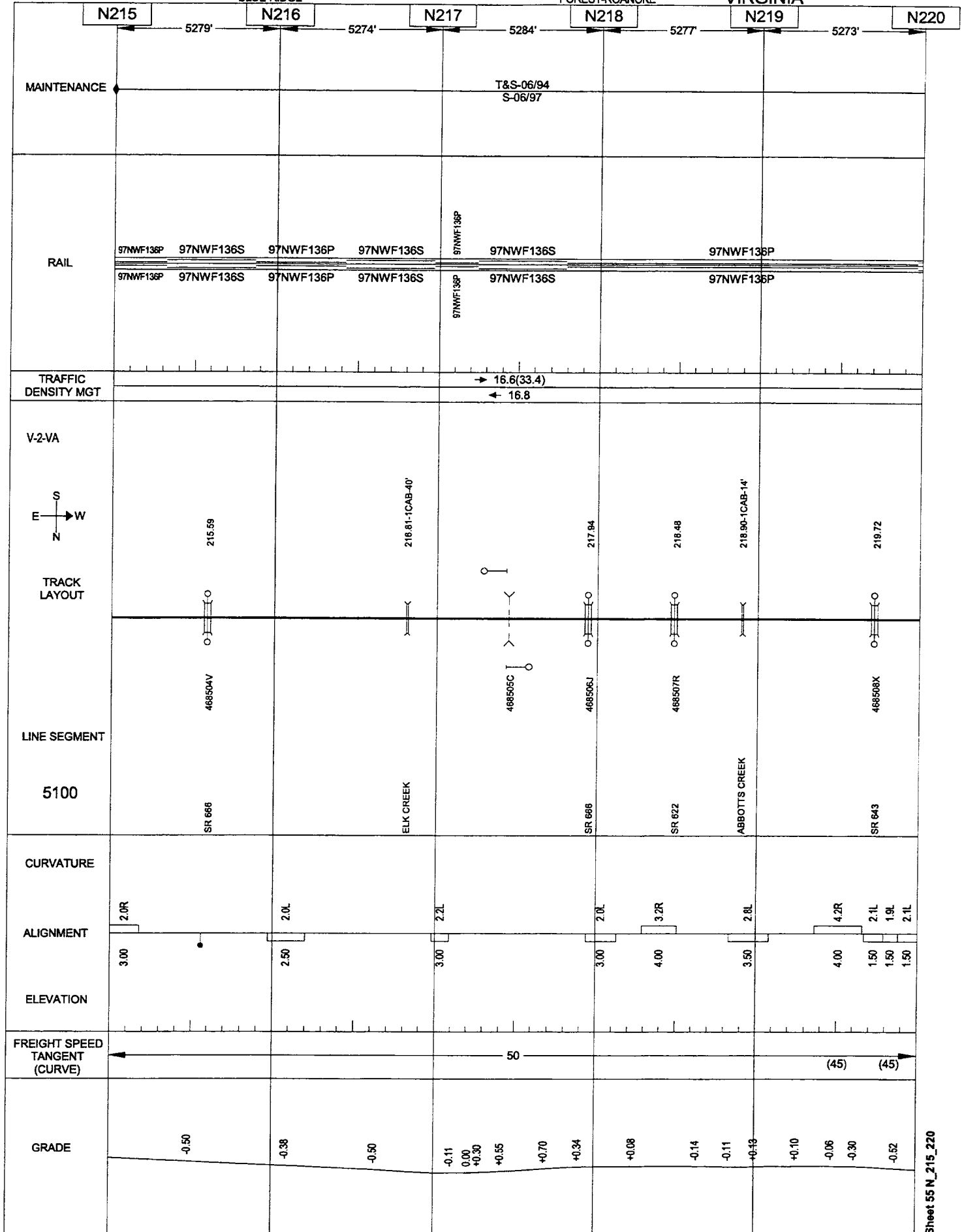


05/23/2001

BLUE RIDGE

FOREST-ROANOKE

VIRGINIA

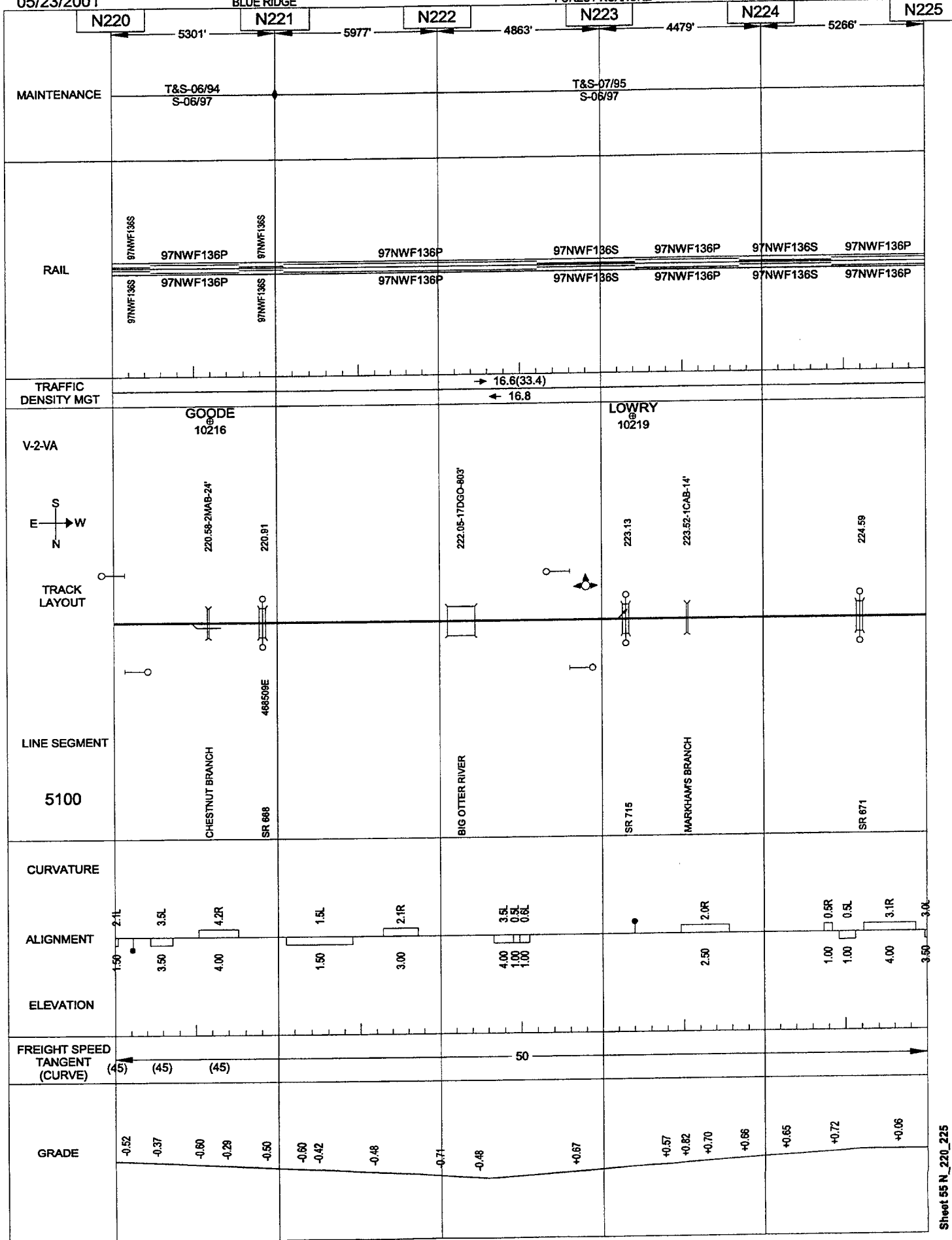


05/23/2001

BLUE RIDGE

FOREST-ROANOKE

VIRGINIA

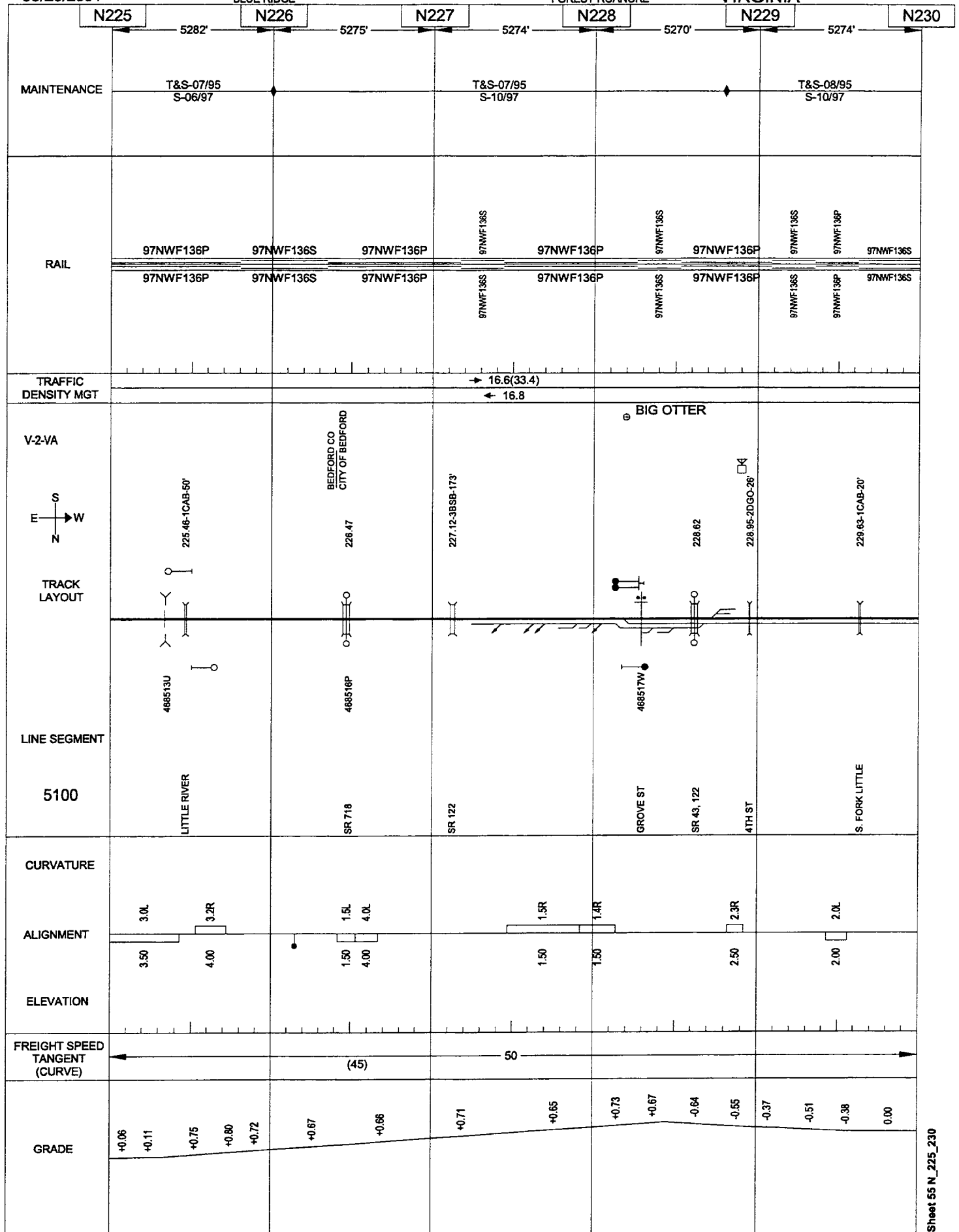


05/23/2001

BLUE RIDGE

FOREST-ROANOKE

VIRGINIA

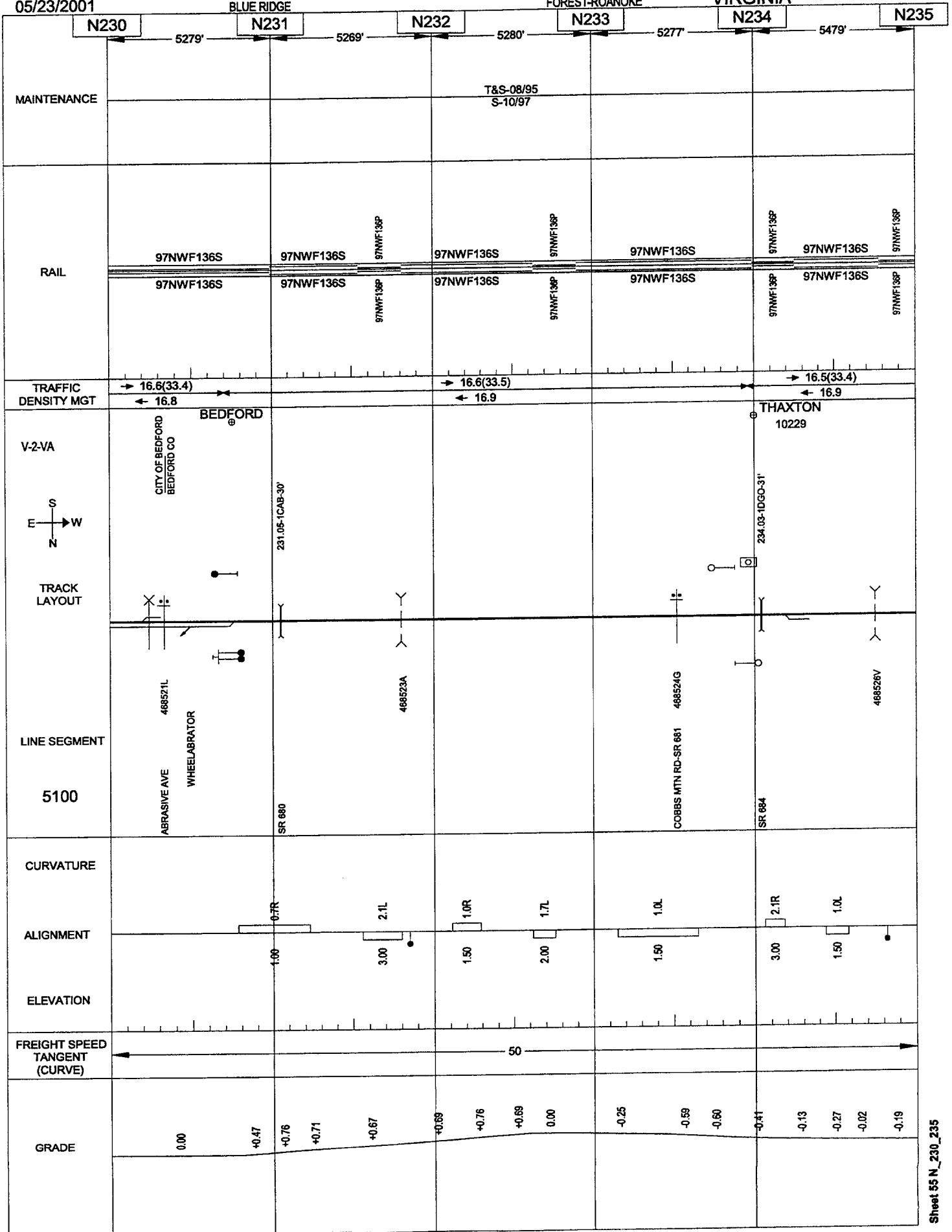


05/23/2001

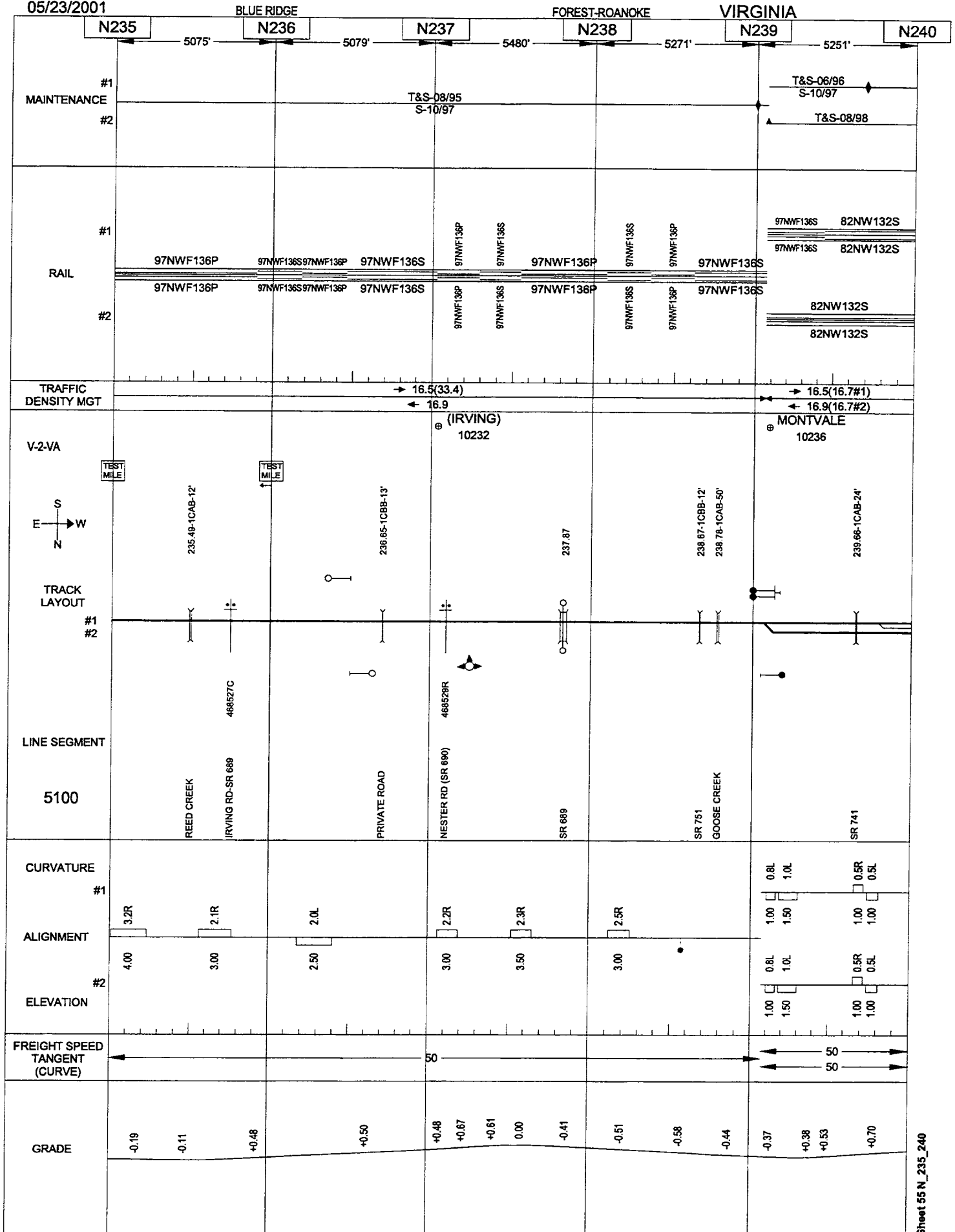
BLUE RIDGE

FOREST-ROANOKE

VIRGINIA



05/23/2001

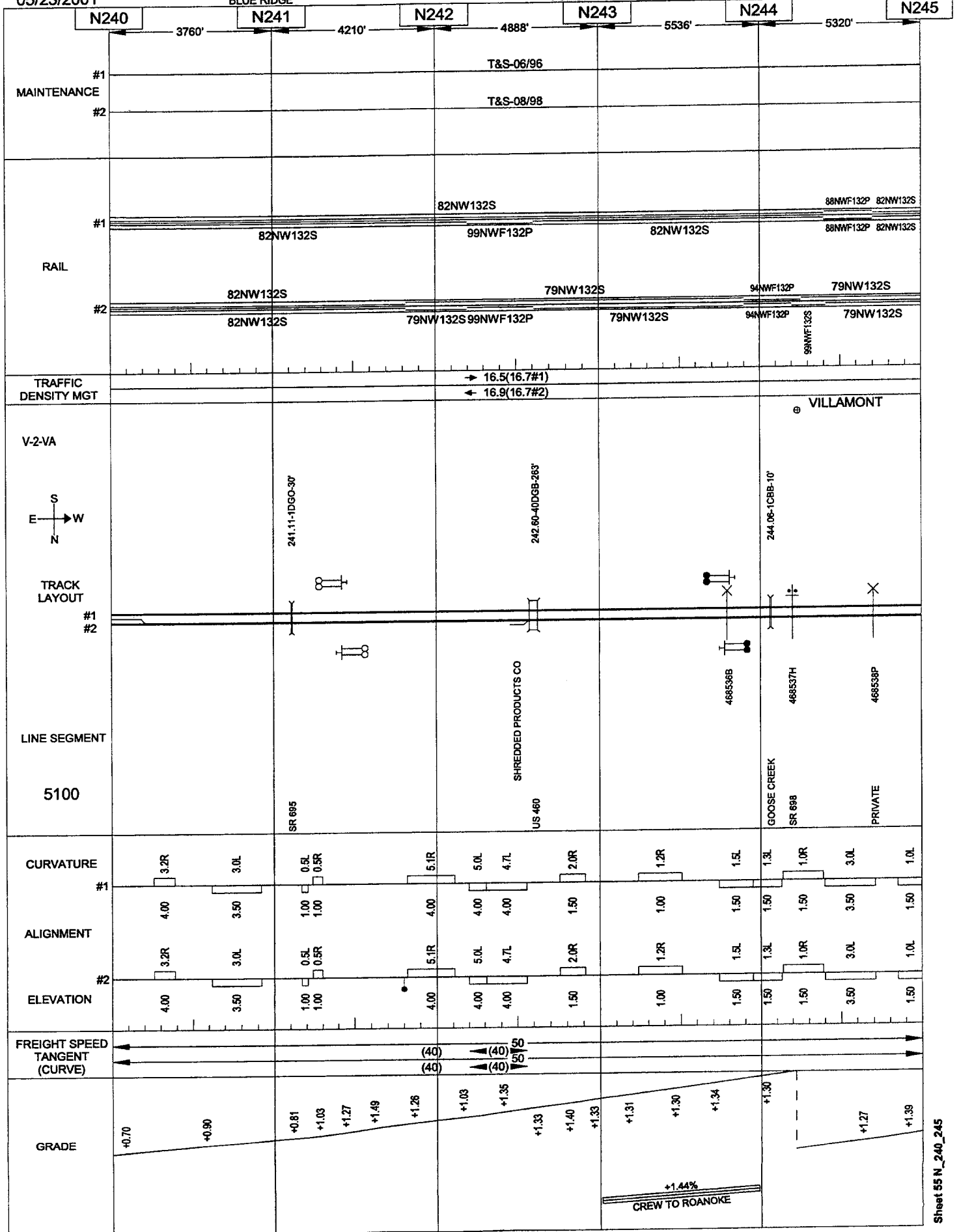


05/23/2001

BLUE RIDGE

FOREST-ROANOKE

VIRGINIA

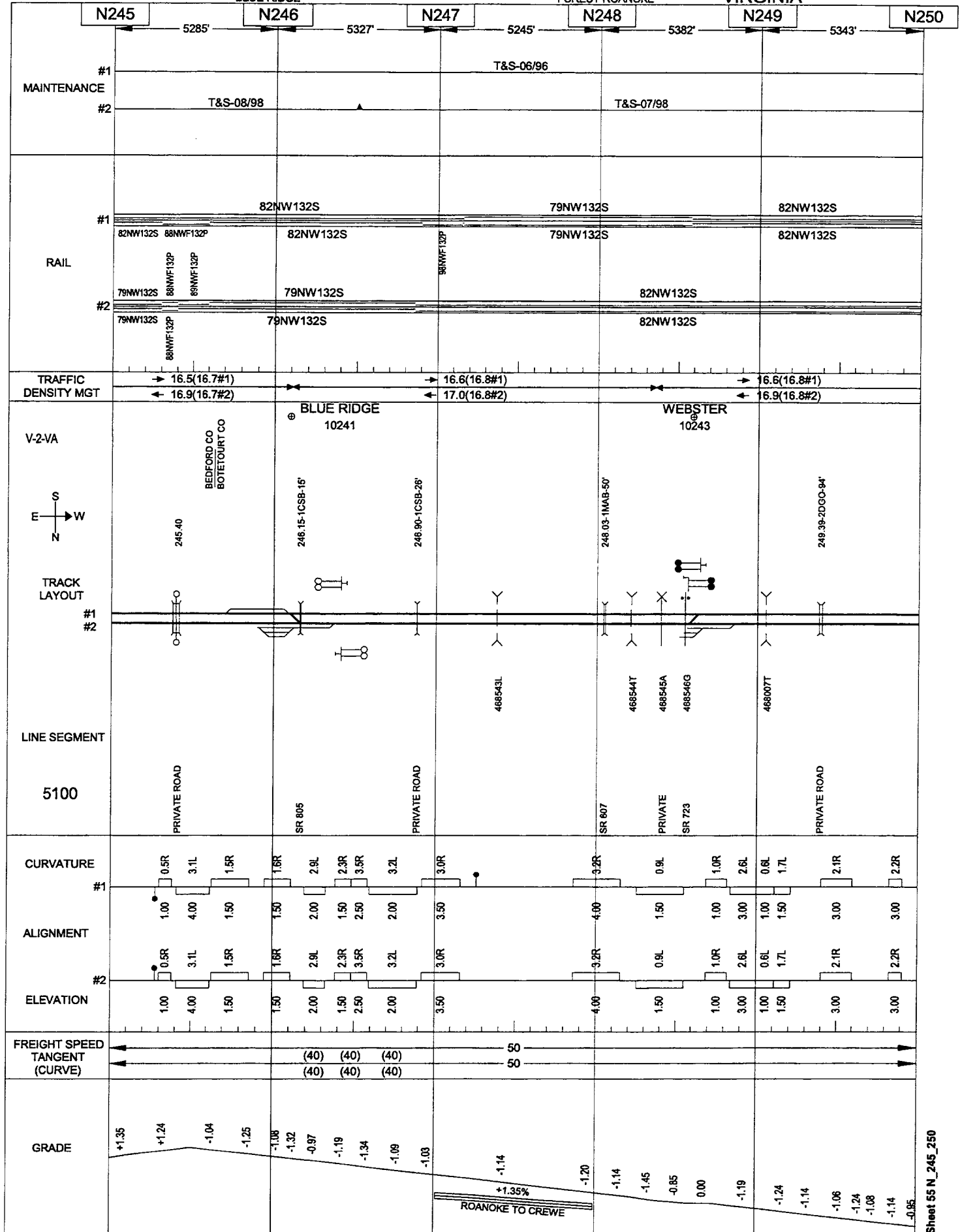


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BLUE RIDGE

FOREST-ROANOKE

VIRGINIA

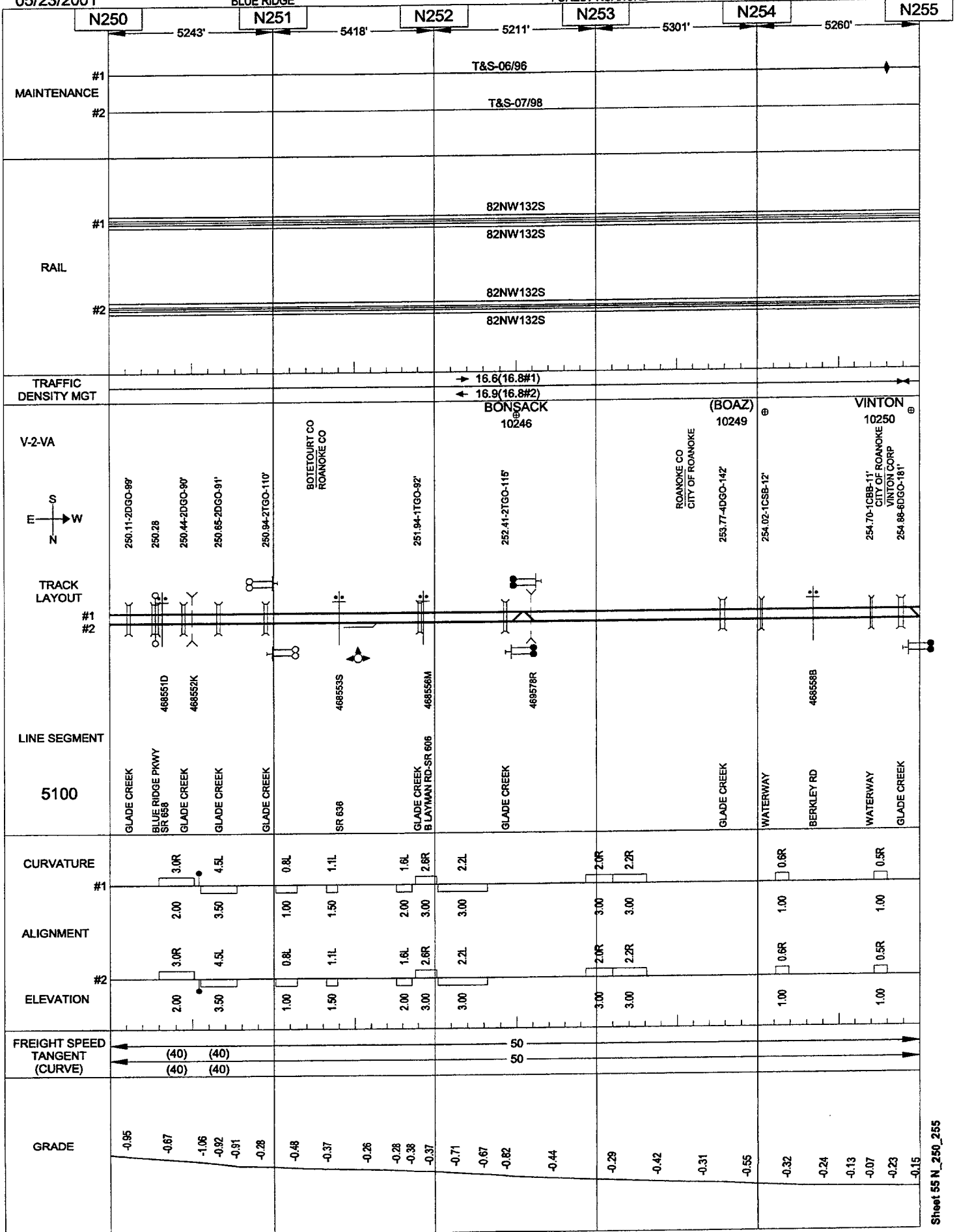


05/23/2001

BLUE RIDGE

FOREST-ROANOKE

VIRGINIA

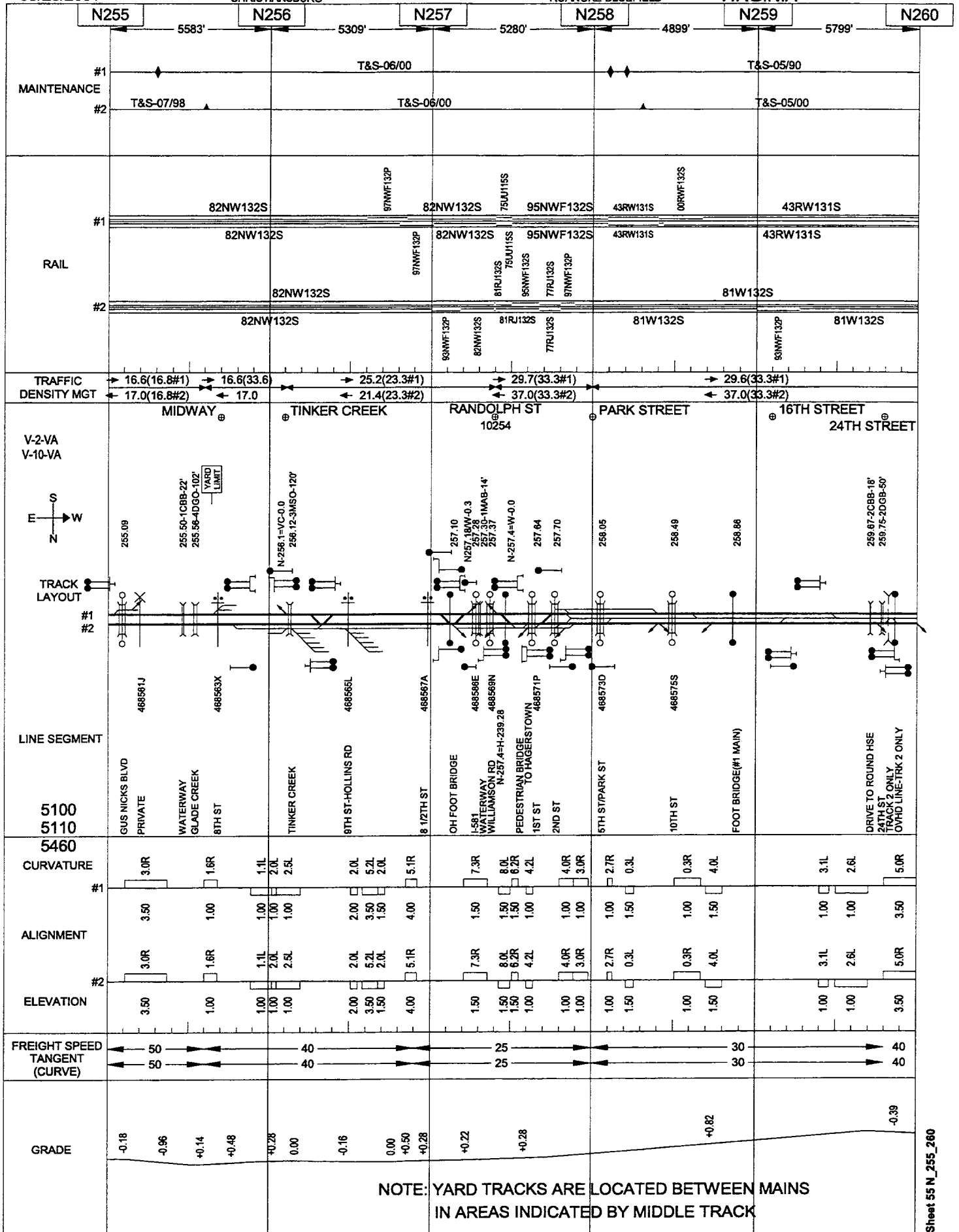


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

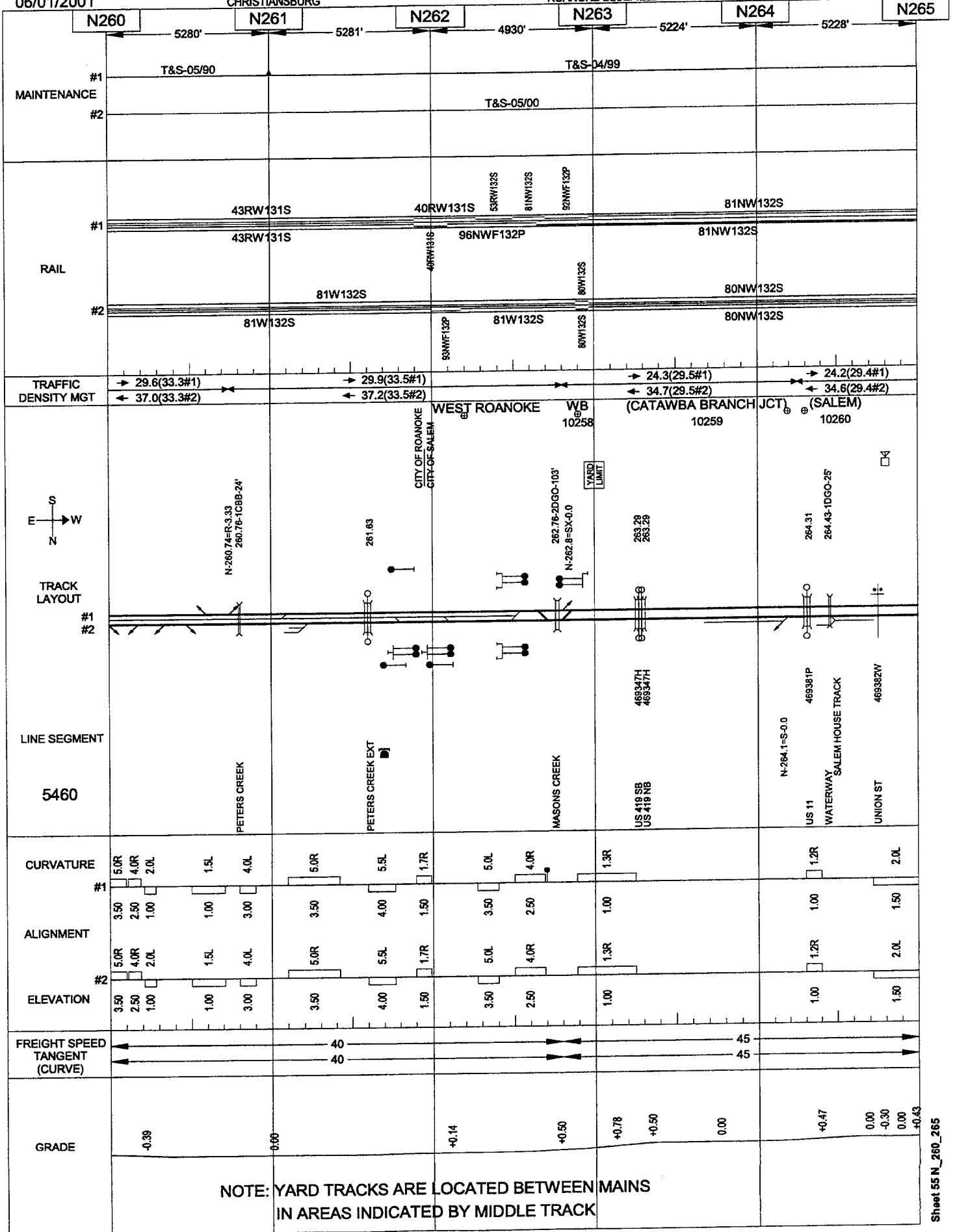


06/01/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

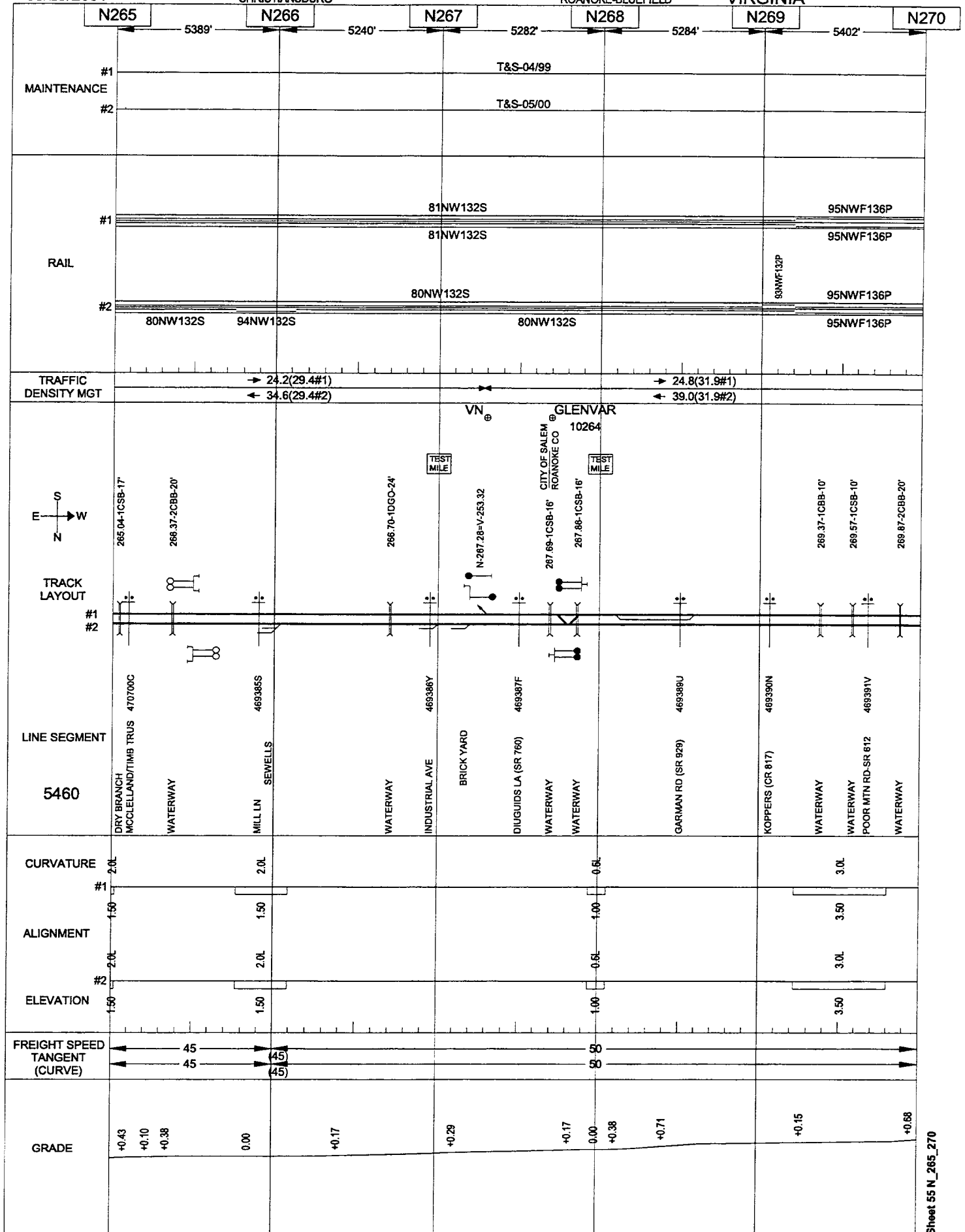


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

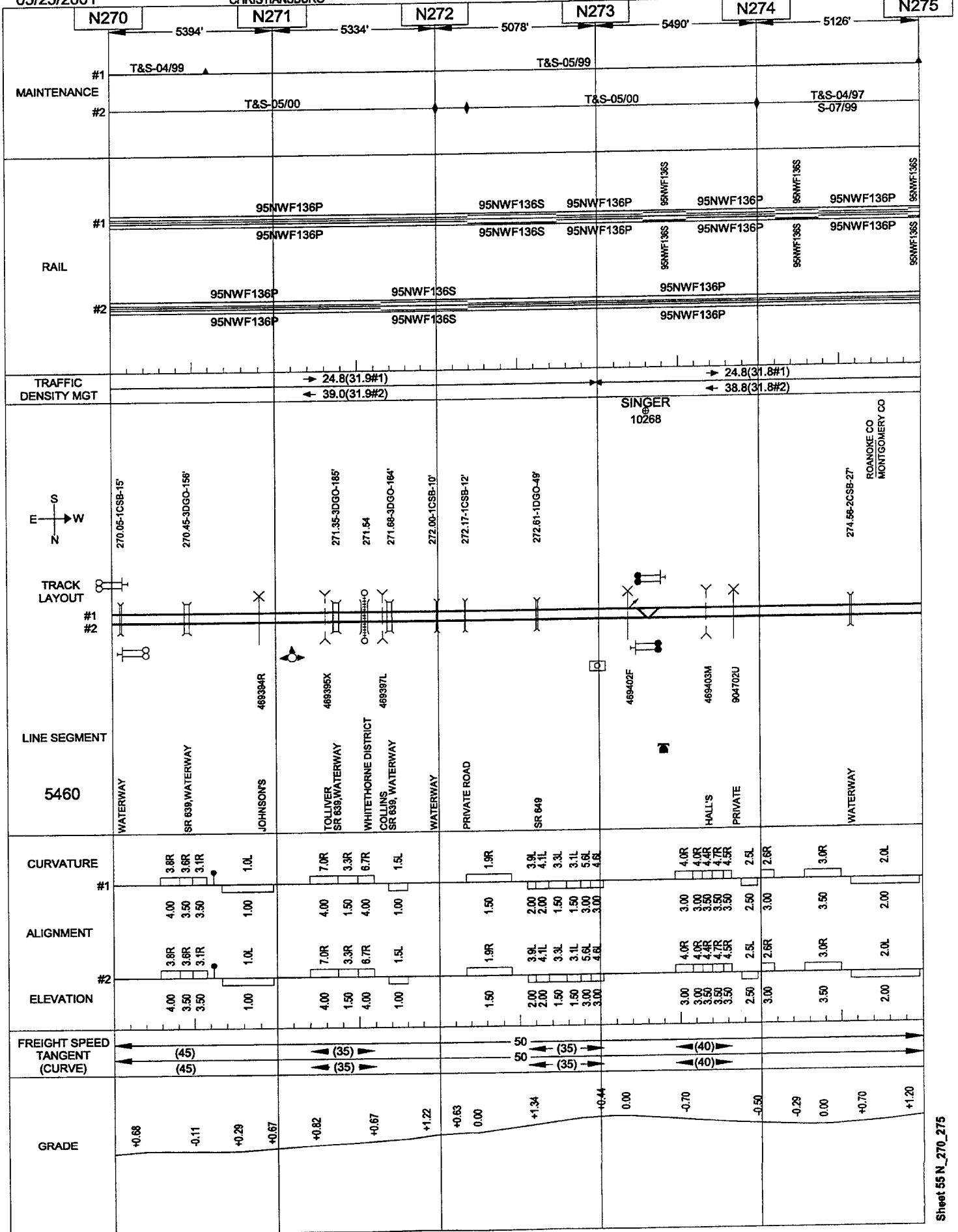


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA



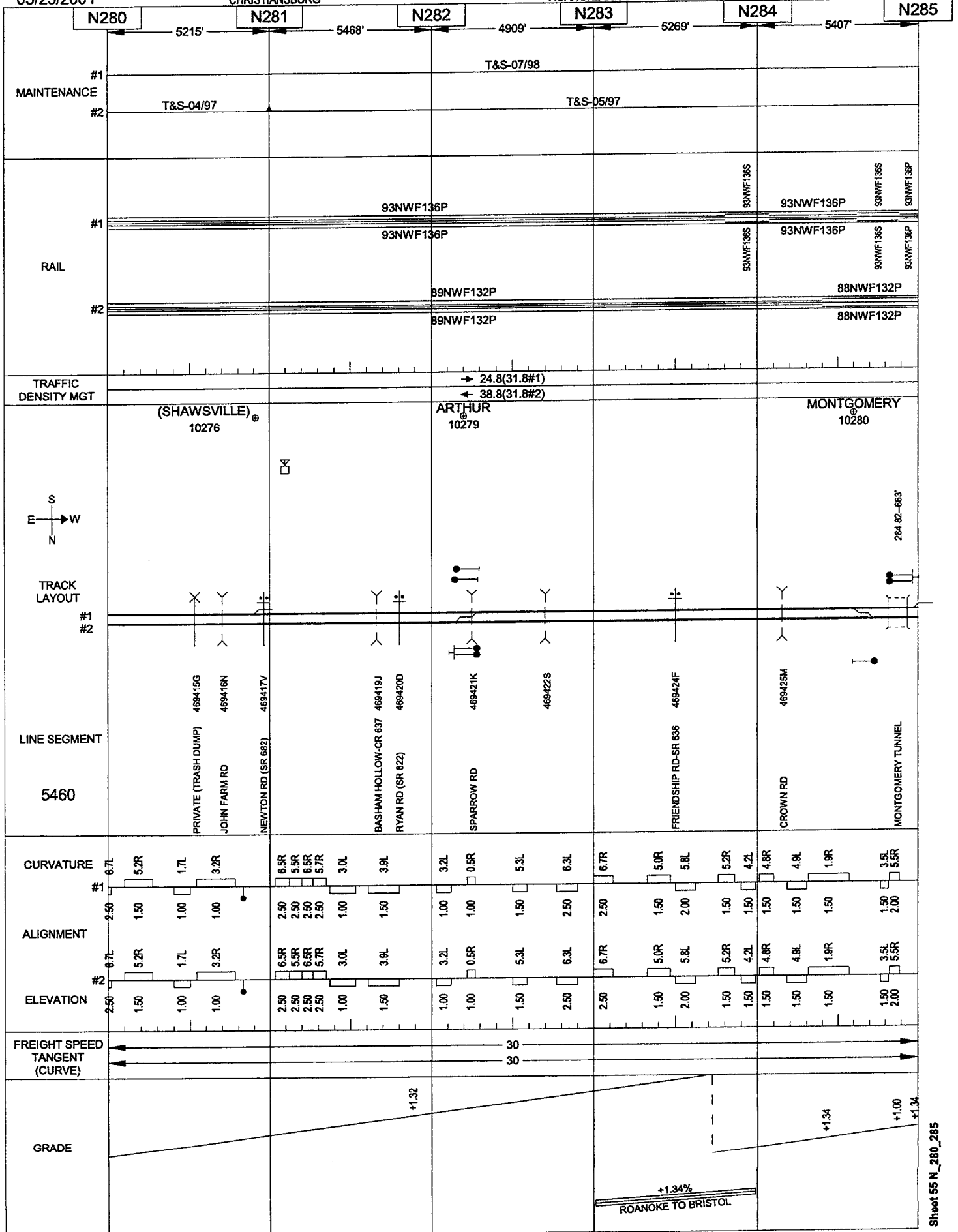
Sheet 55 N_275_280

05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

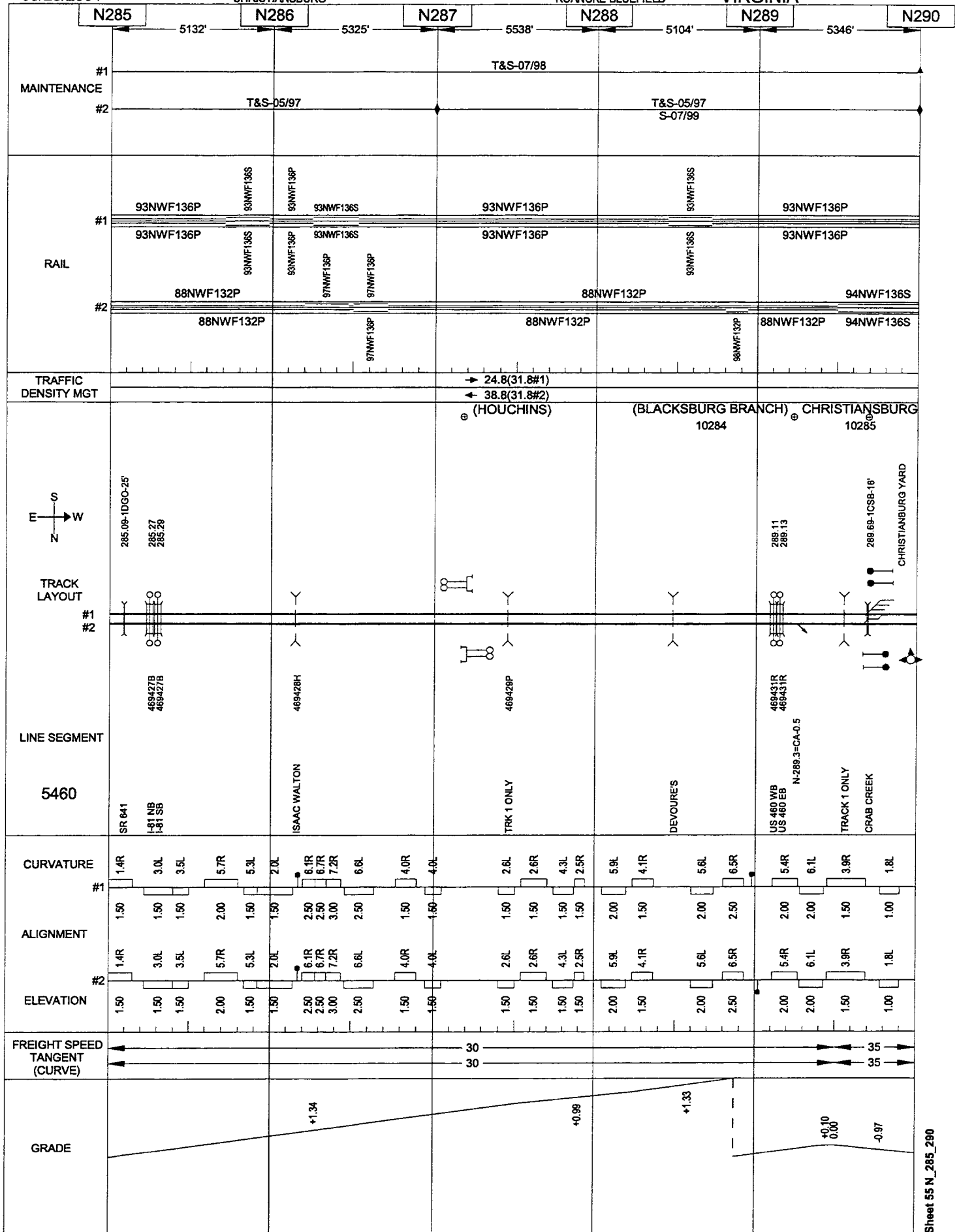


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA



Sheet 55 N_290_295

Sheet 55 N_295_300

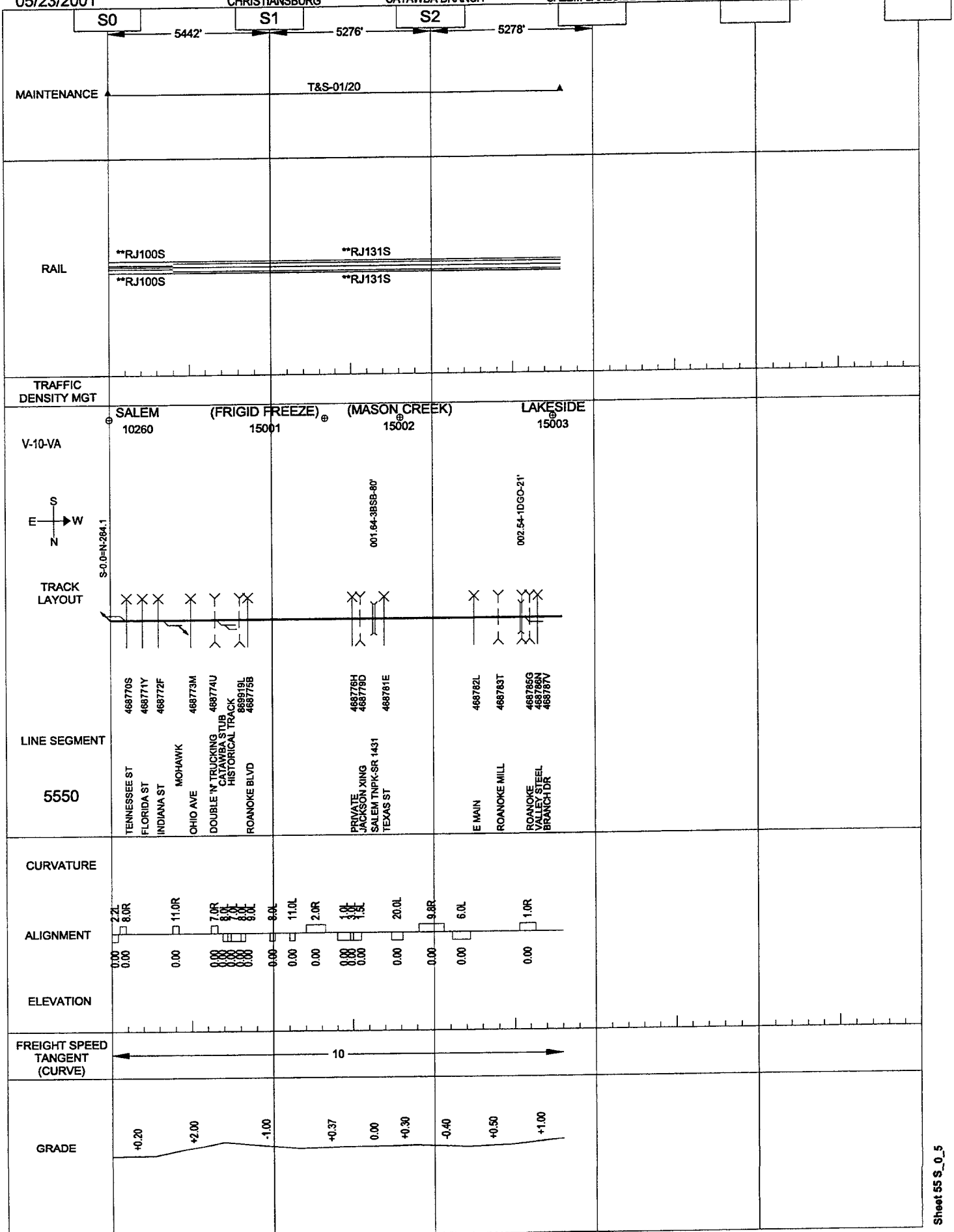
05/23/2001

CHRISTIANSBURG

CATAWBA BRANCH

SALEM-LAKESIDE

VIRGINIA



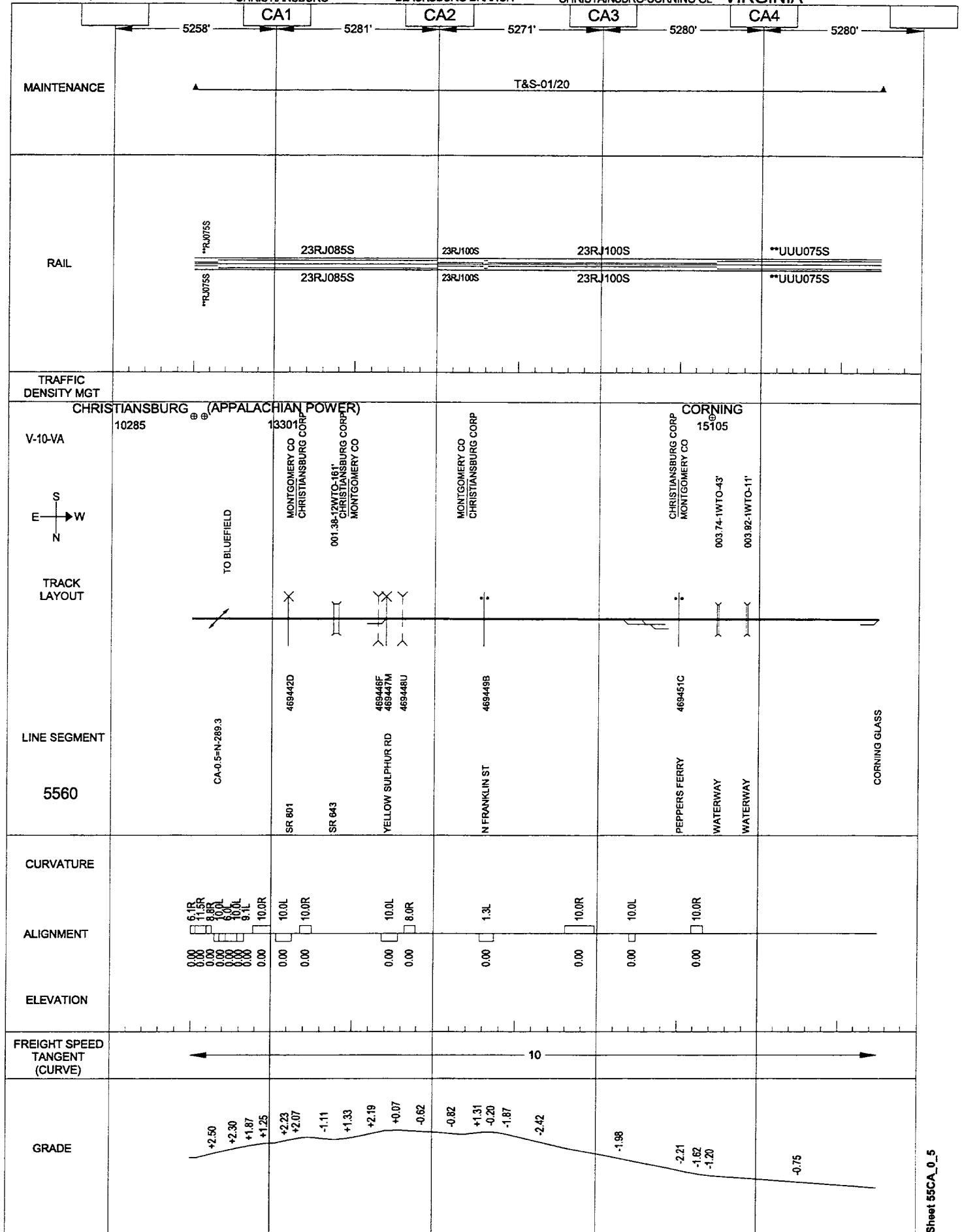
05/23/2001

CHRISTIANSBURG

BLACKSBURG BRANCH

CHRISTIANSBURG-CORNING GL

VIRGINIA



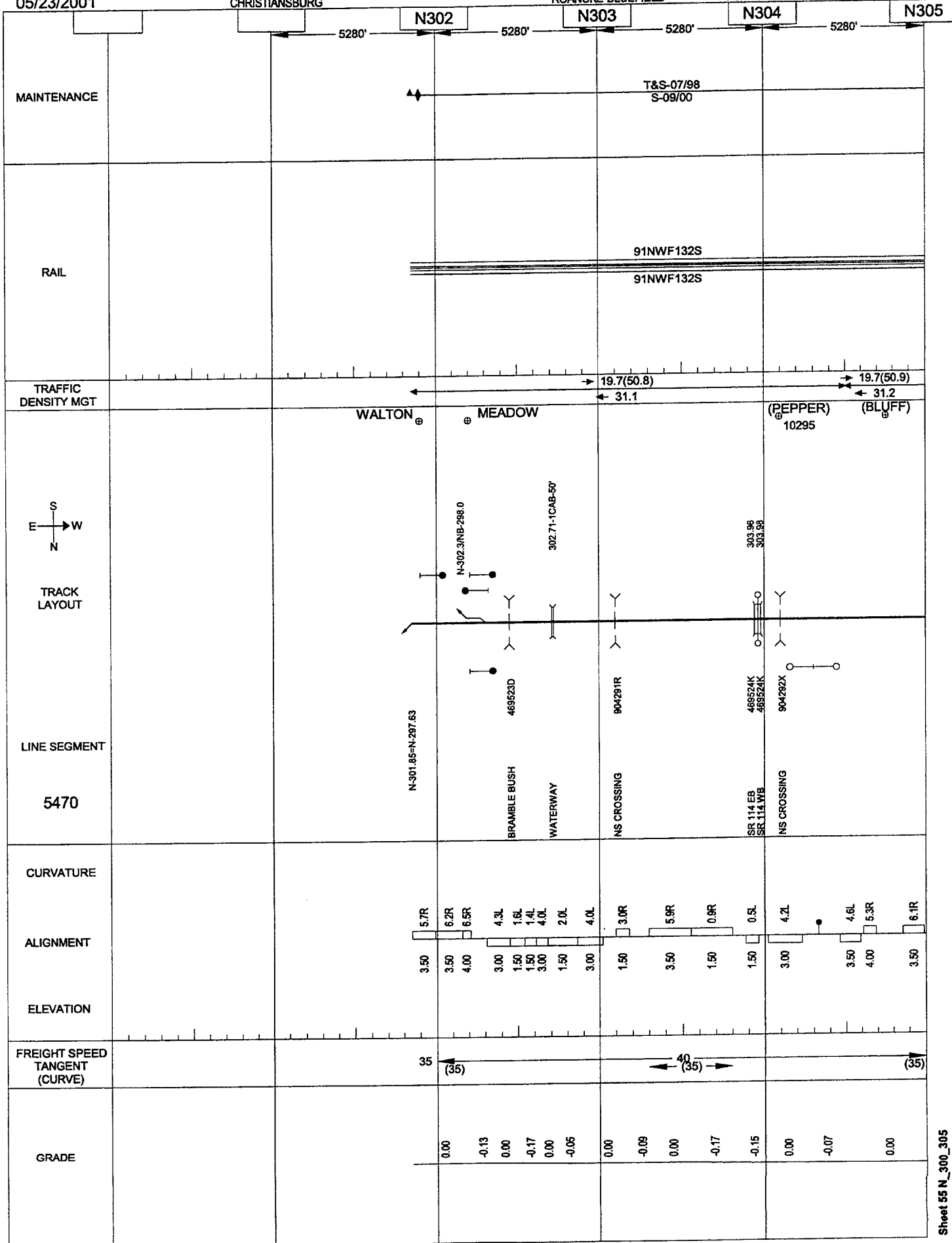
083

05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

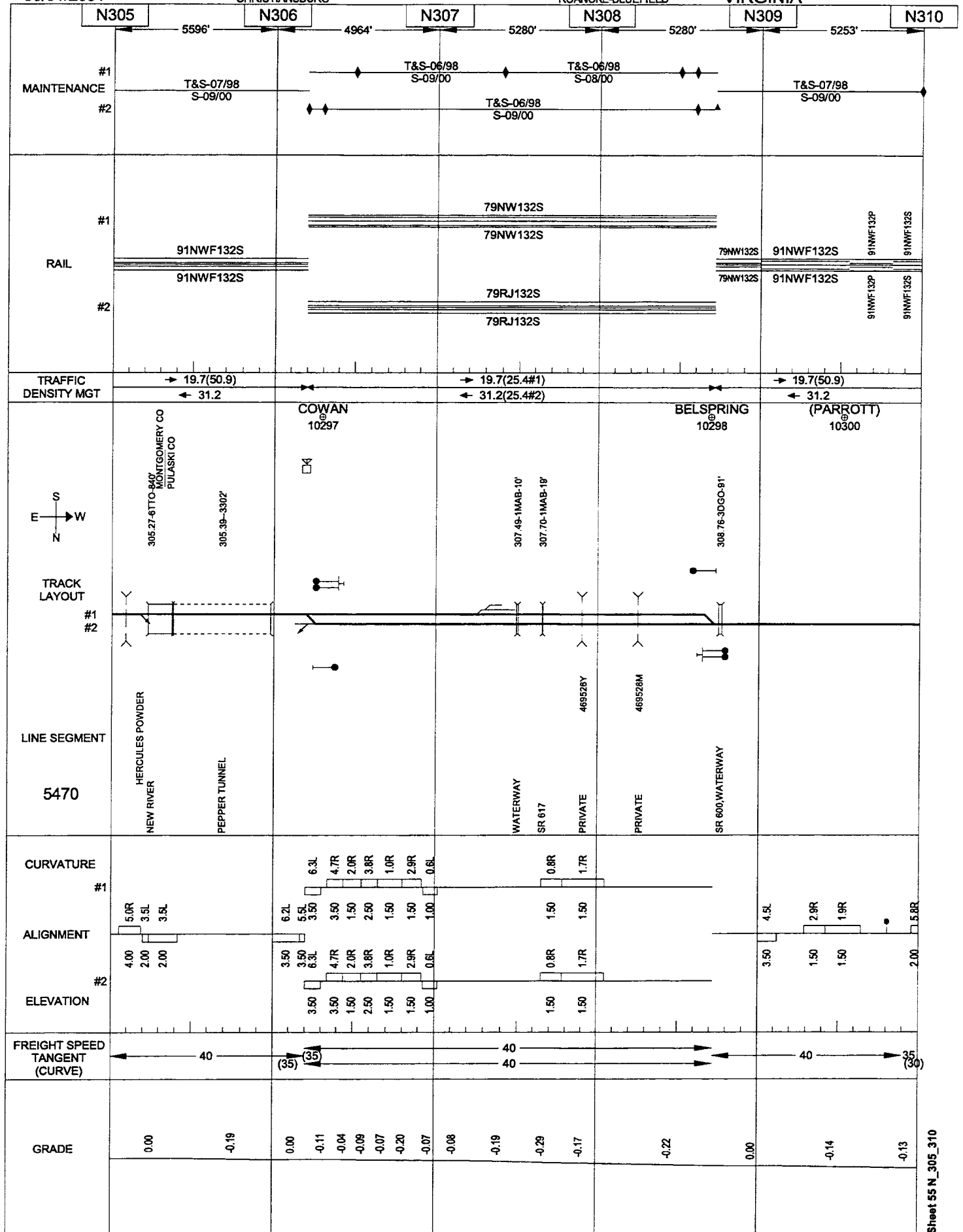


06/01/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

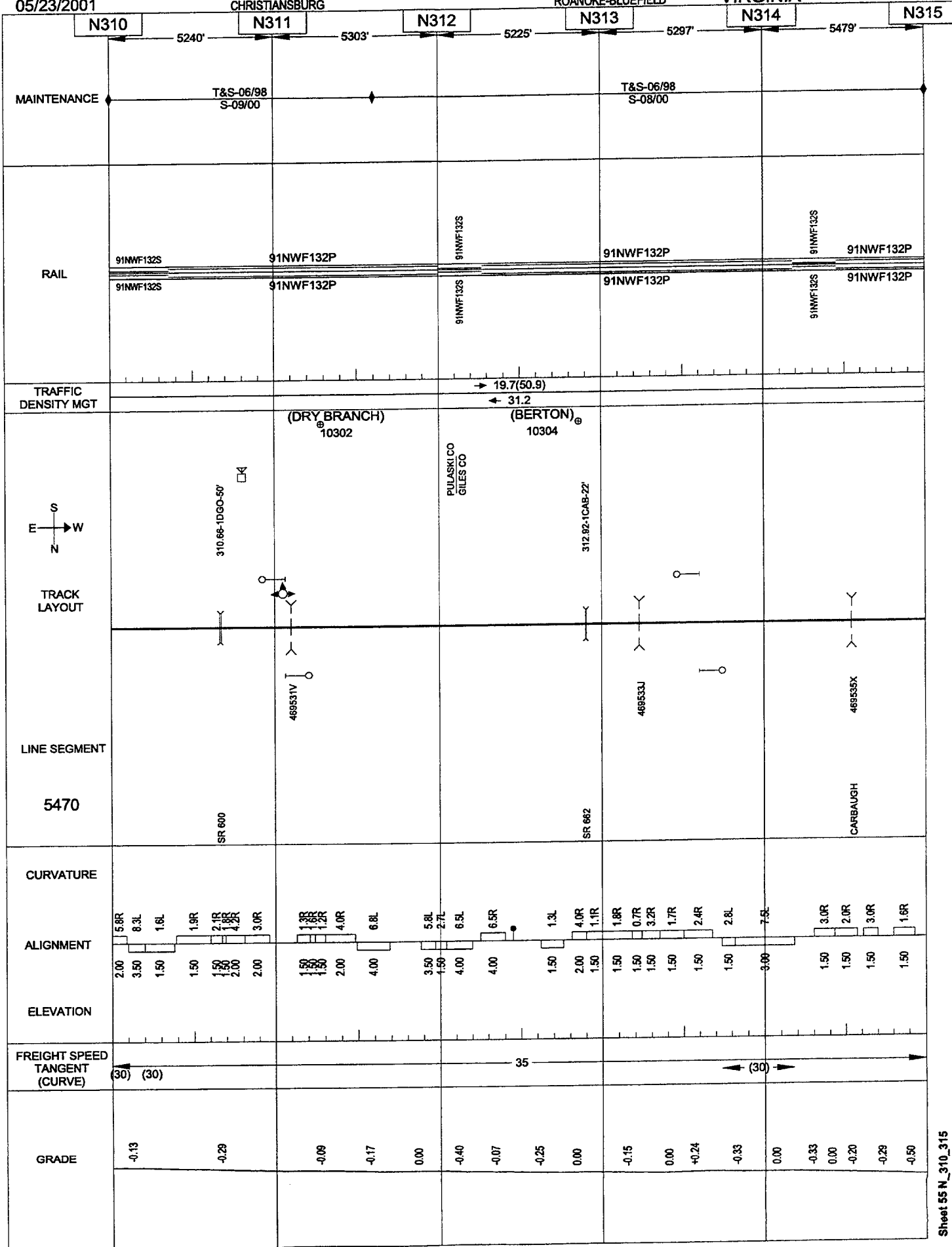


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

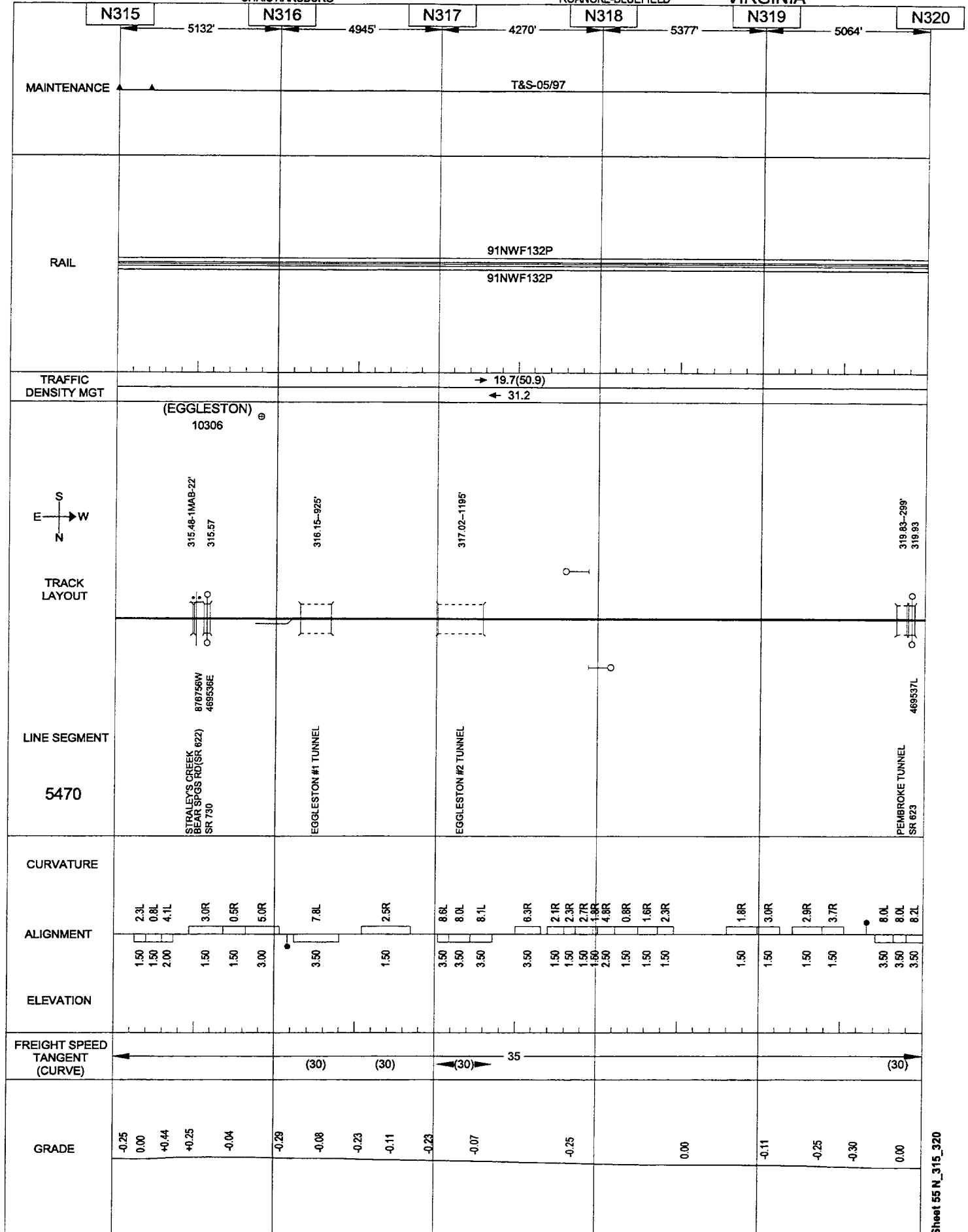


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

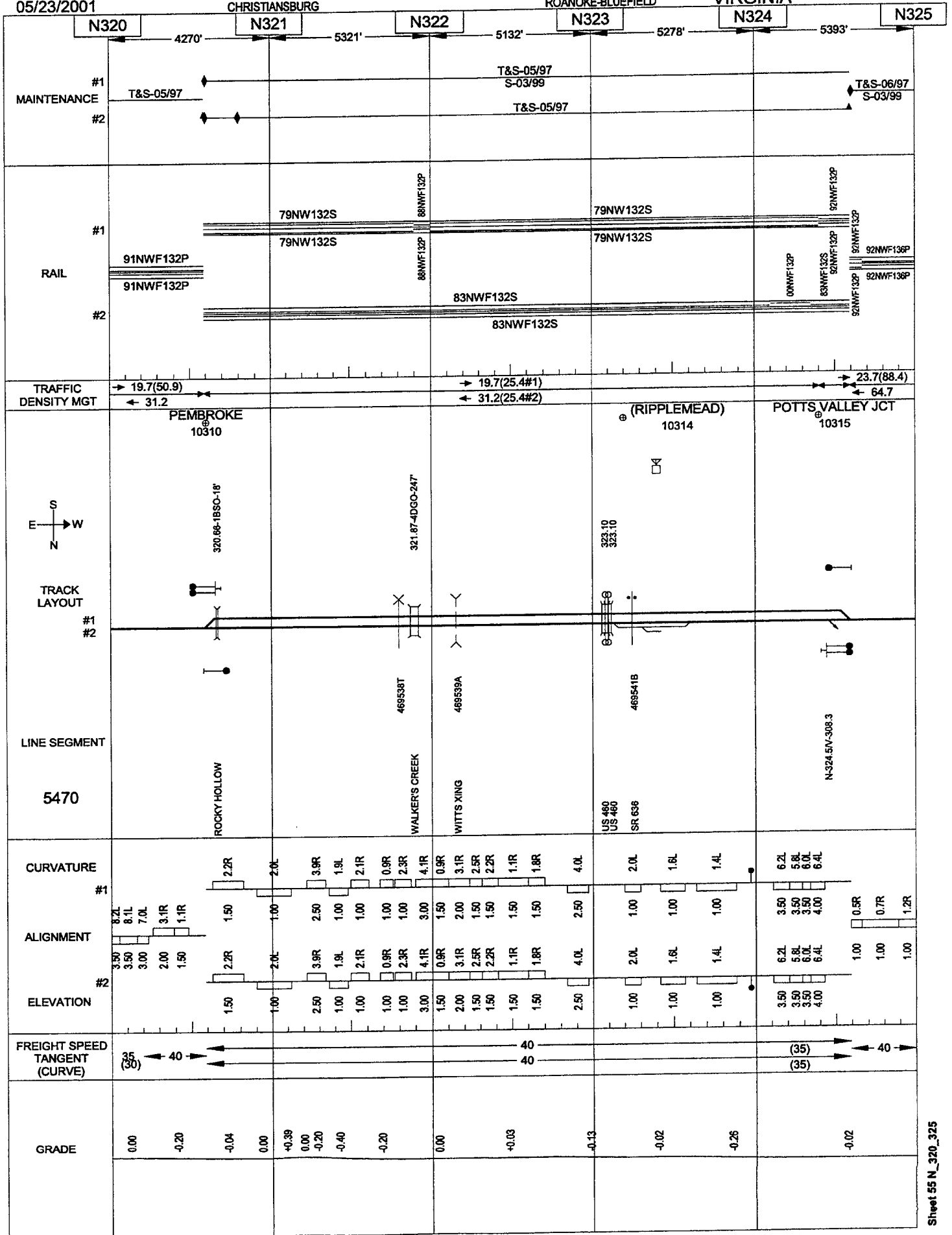


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CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA



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05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

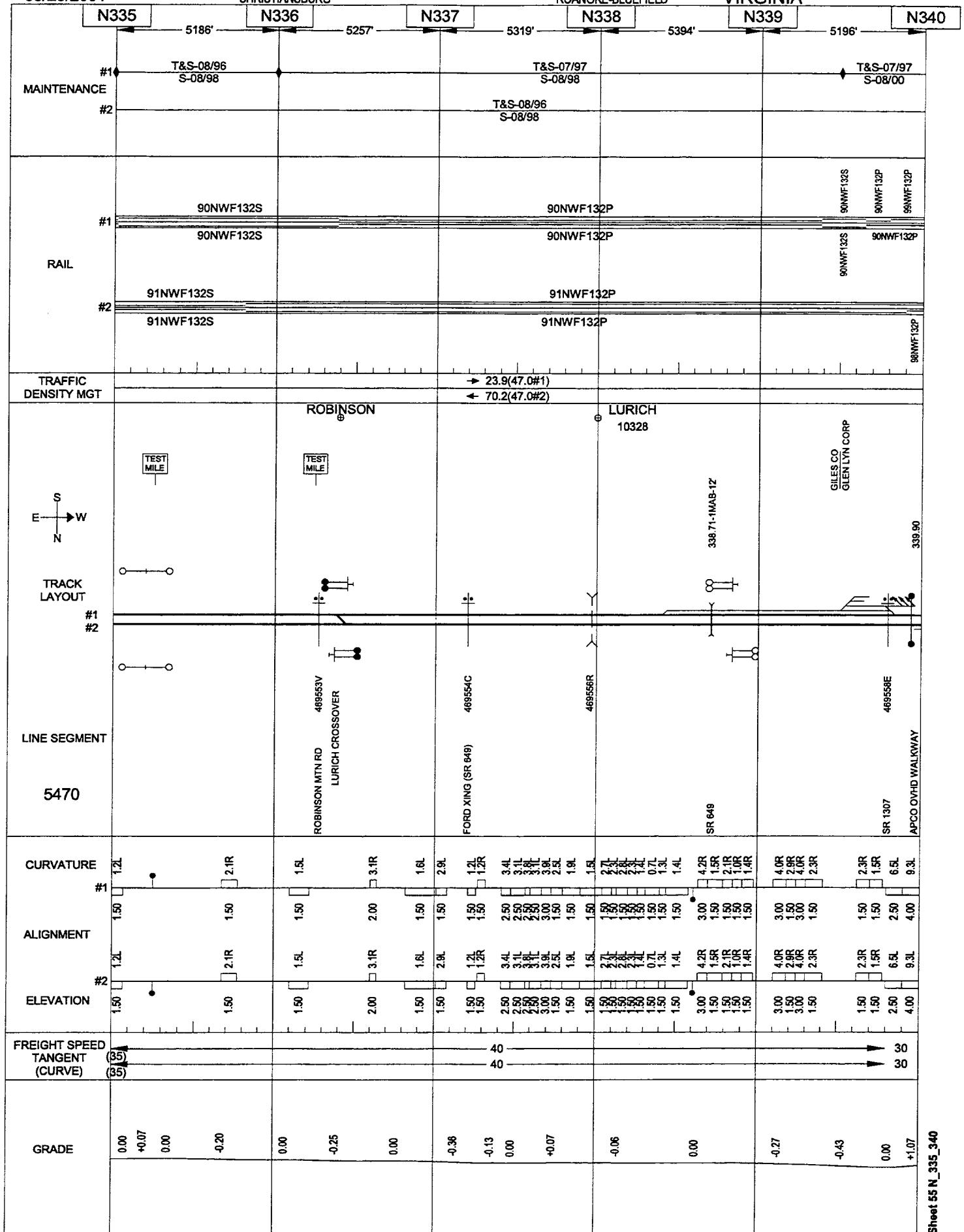
05/23/2001		CHRISTIANSBURG		ROANOKE-BLUEFIELD		VIRGINIA	
		N330	N331	N332	N333	N334	N335
		5171'	5296'	5282'	5297'	5087'	
MAINTENANCE	#1			T&S-07/96 S-08/98			
	#2		T&S-08/96		T&S-08/96 S-09/98		T&S-08/96 S-08/98
RAIL	#1	67RJ132S	93NWF132P	69RW132S	90NWF132S	90NWF132P	
		67RJ132S		69RW132S		90NWF132P	
	#2	79NW132S 79NW132S	79NW132S	80NW132S	91NWF132S	91NWF132P	
		79NW132S 79NW132S	79NW132S	80NW132S	91NWF132S	91NWF132P	
TRAFFIC DENSITY MGT		→ 23.7(44.2#1) ← 64.7(44.2#2)		→ 23.9(47.0#1) ← 70.2(47.0#2)			
TRACK LAYOUT	#1	NARROWS					
	#2	NARROWS					
LINE SEGMENT	#1	NARROWS					
	#2	NARROWS					
5470		NARROWS					
CURVATURE		NARROWS					
ALIGNMENT		NARROWS					
ELEVATION		NARROWS					
FREIGHT SPEED TANGENT (CURVE)		NARROWS					
GRADE		NARROWS					

05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA



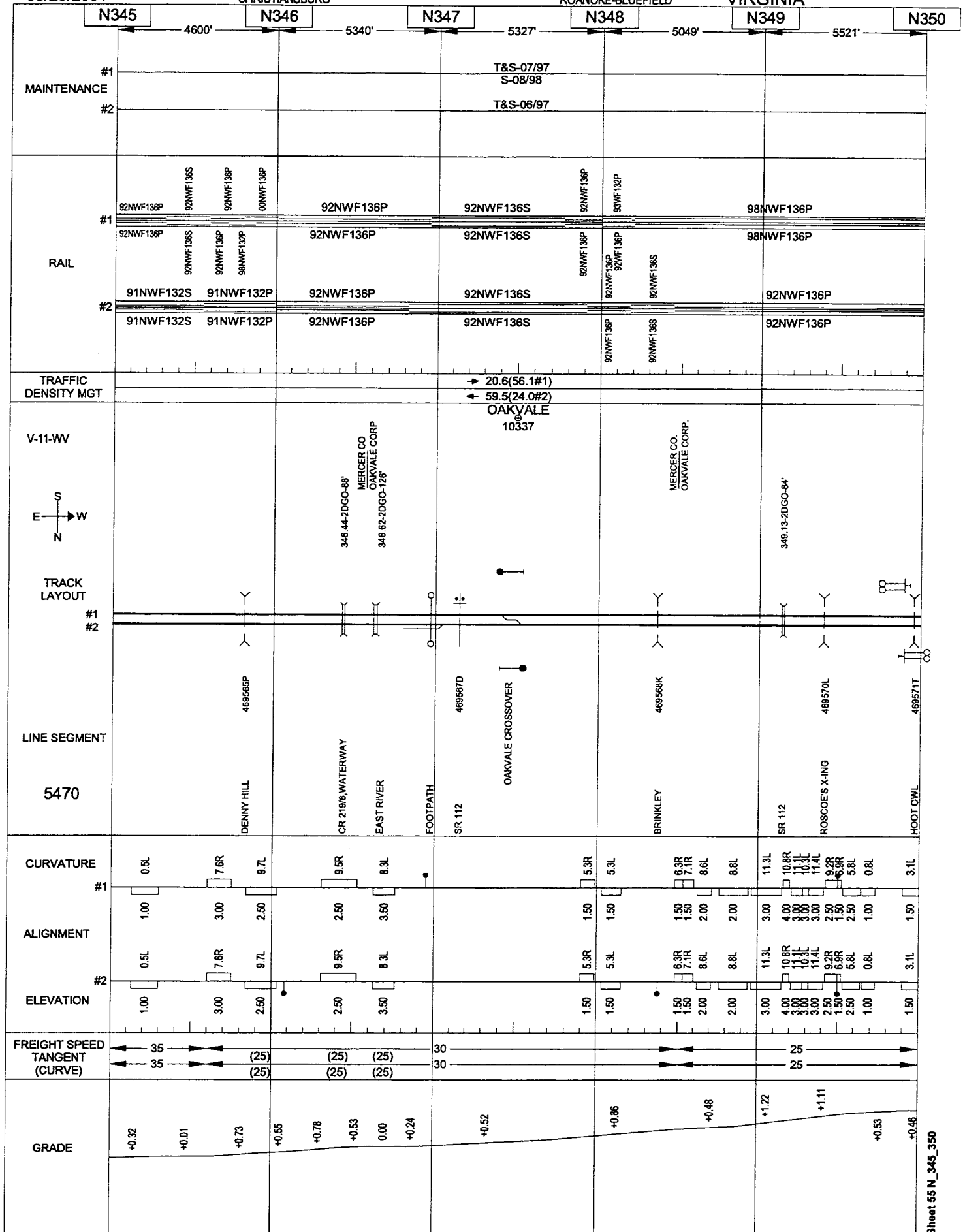


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

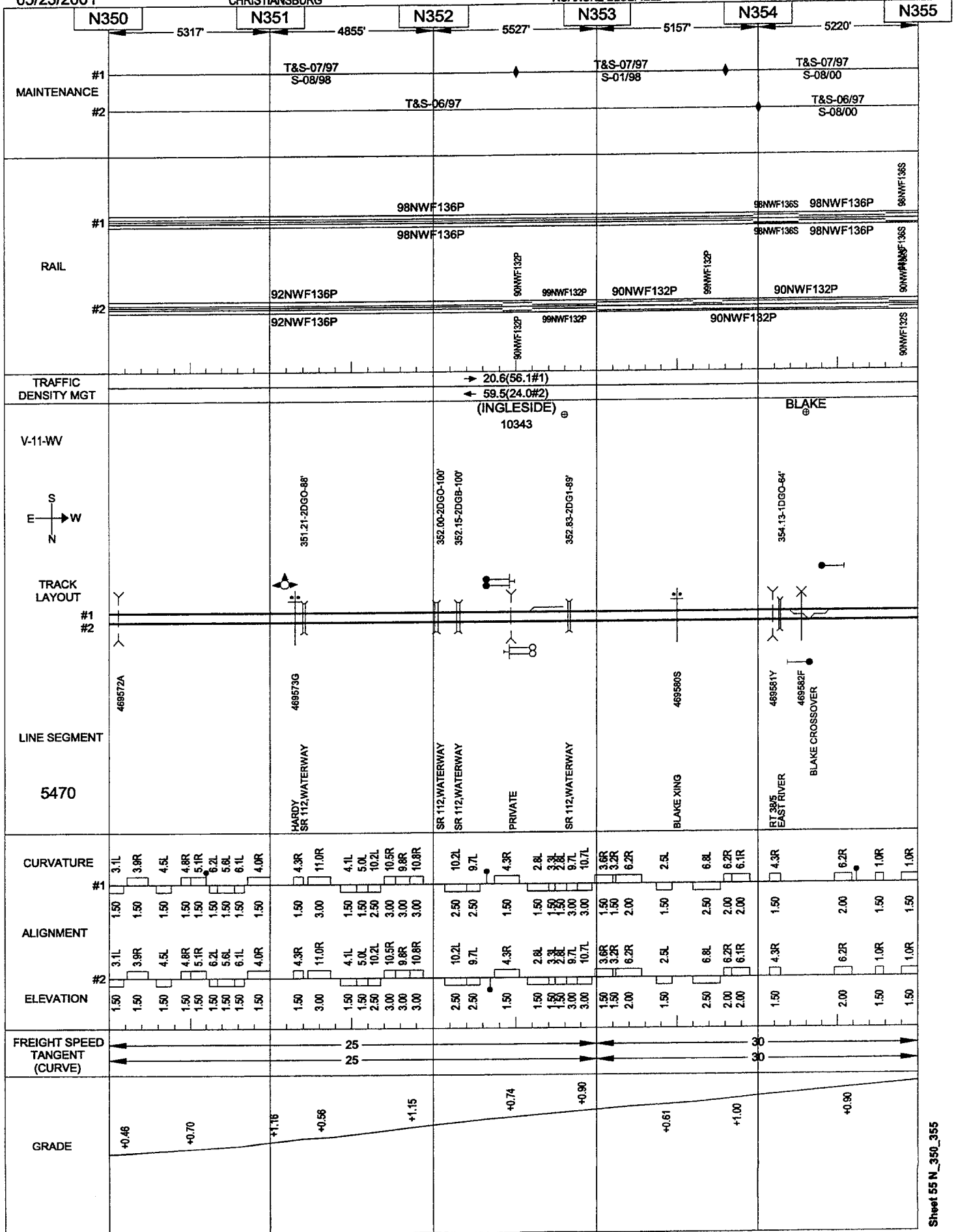


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA

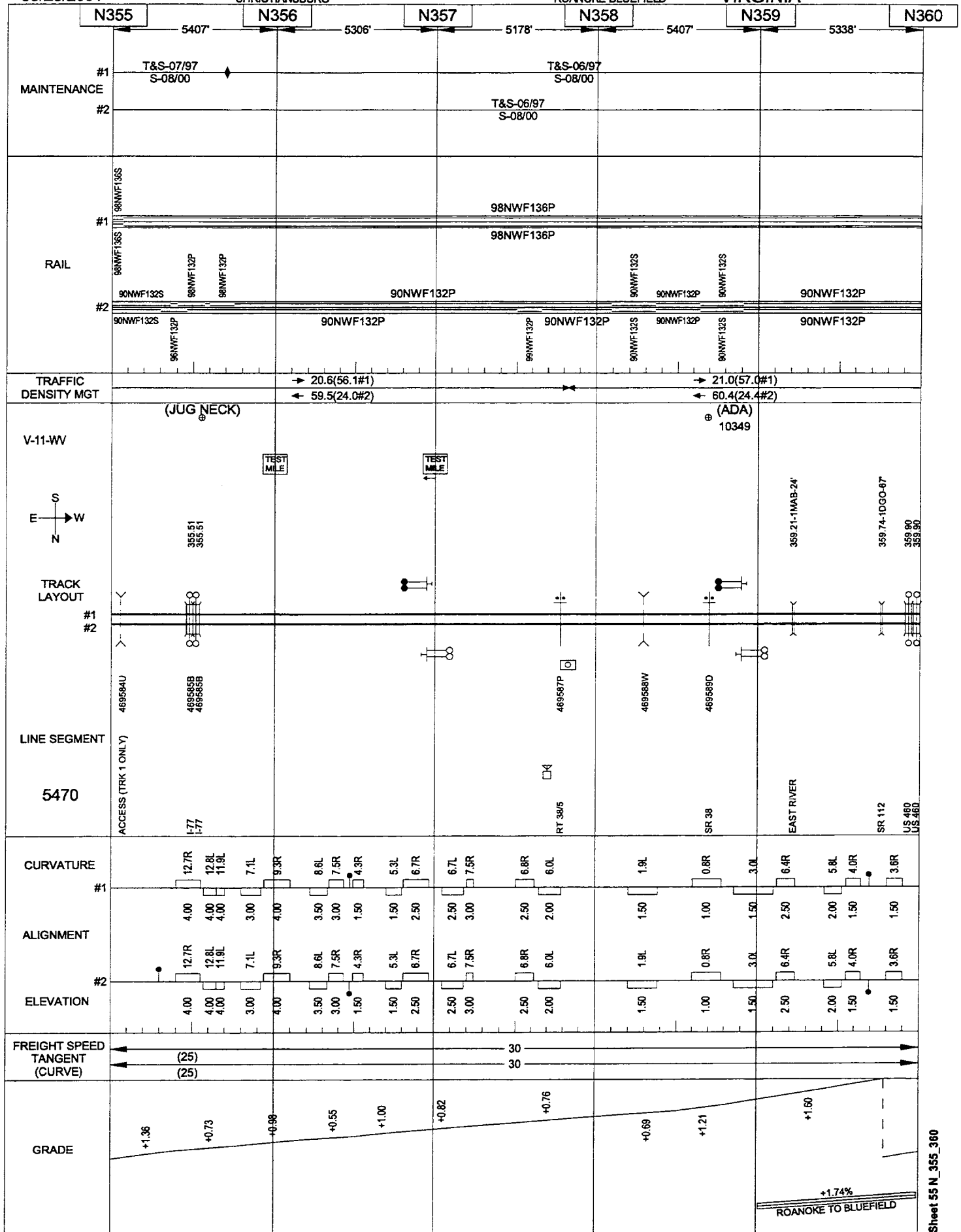


05/23/2001

CHRISTIANSBURG

ROANOKE-BLUEFIELD

VIRGINIA



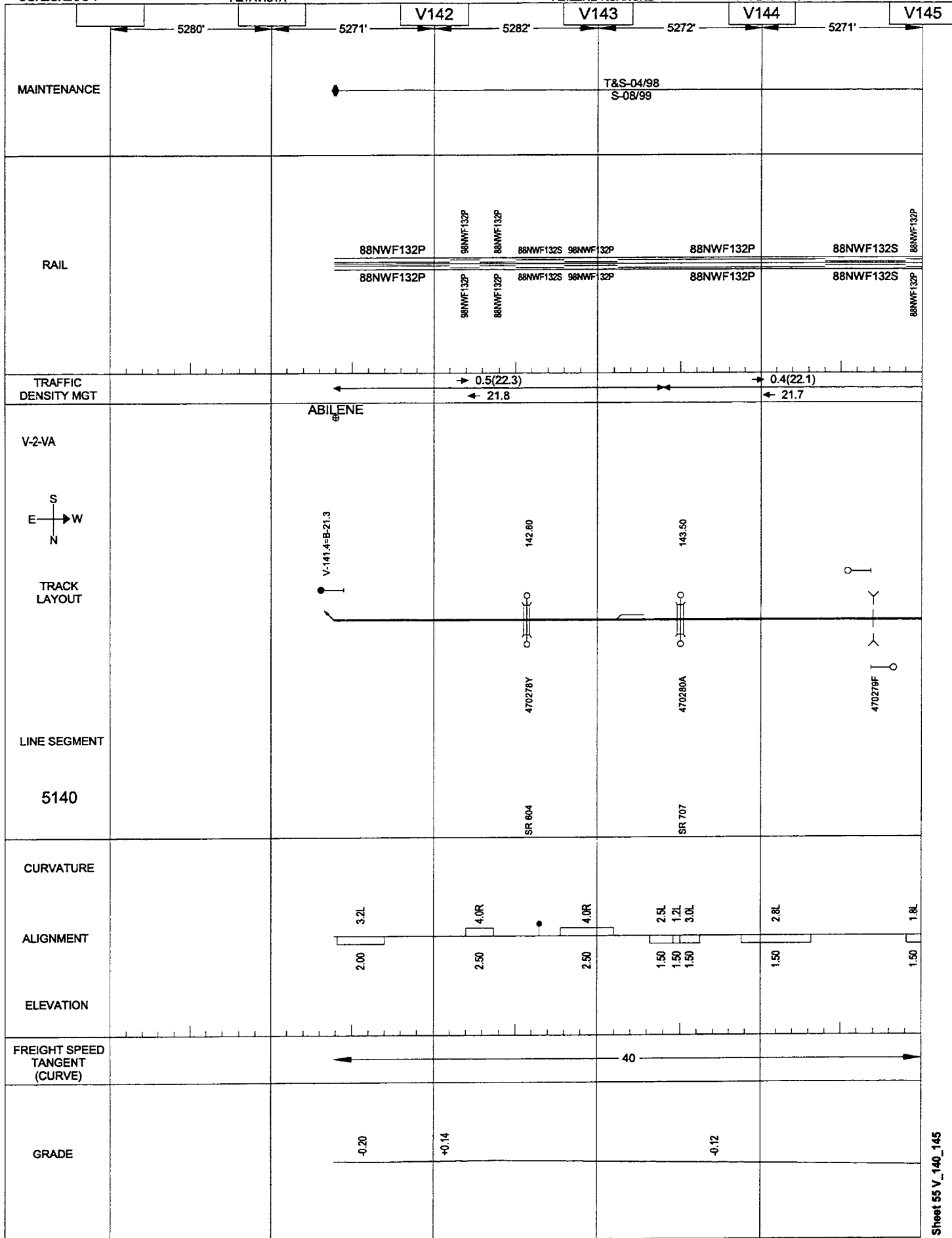
Sheet 55 N_360_365

05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

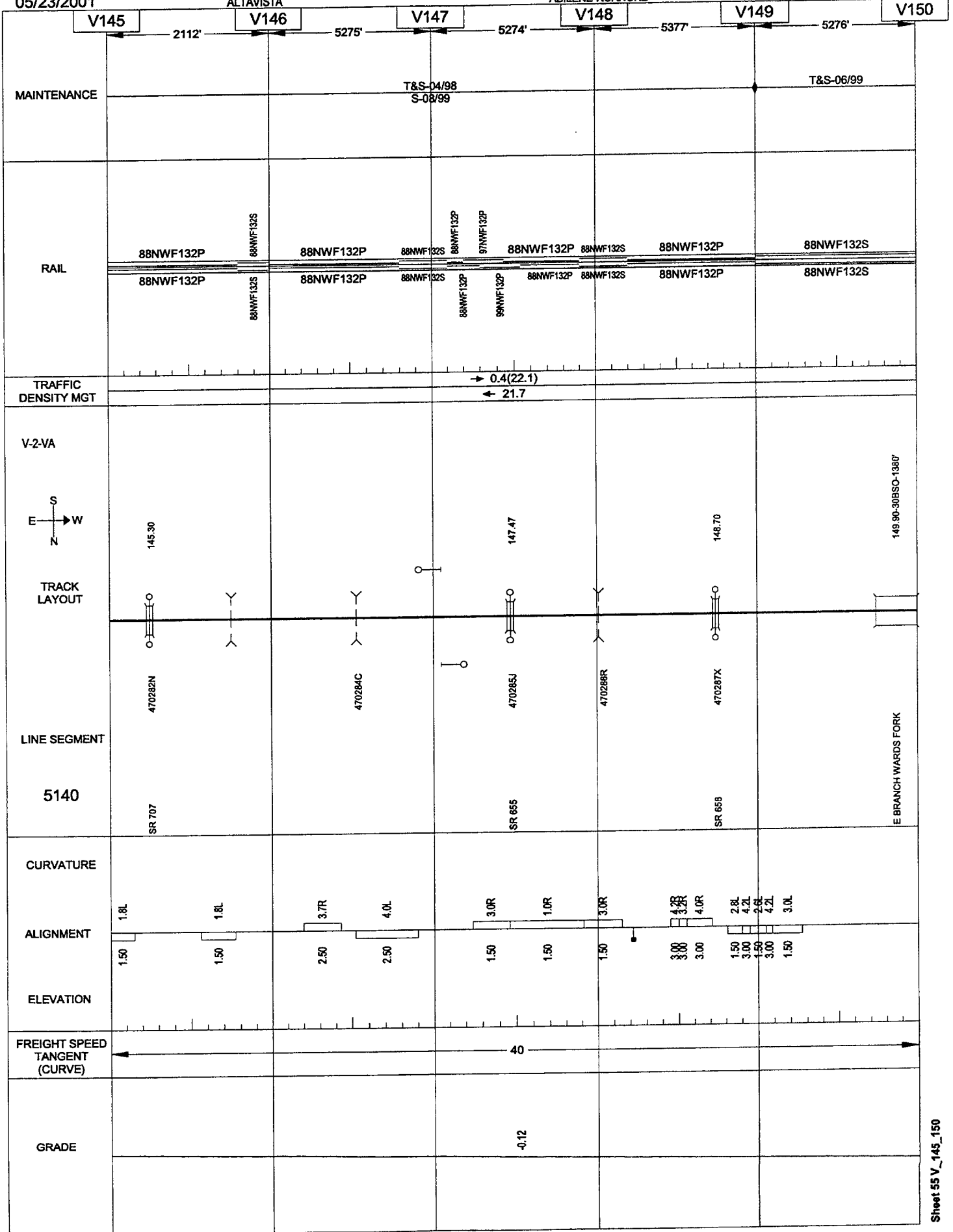


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

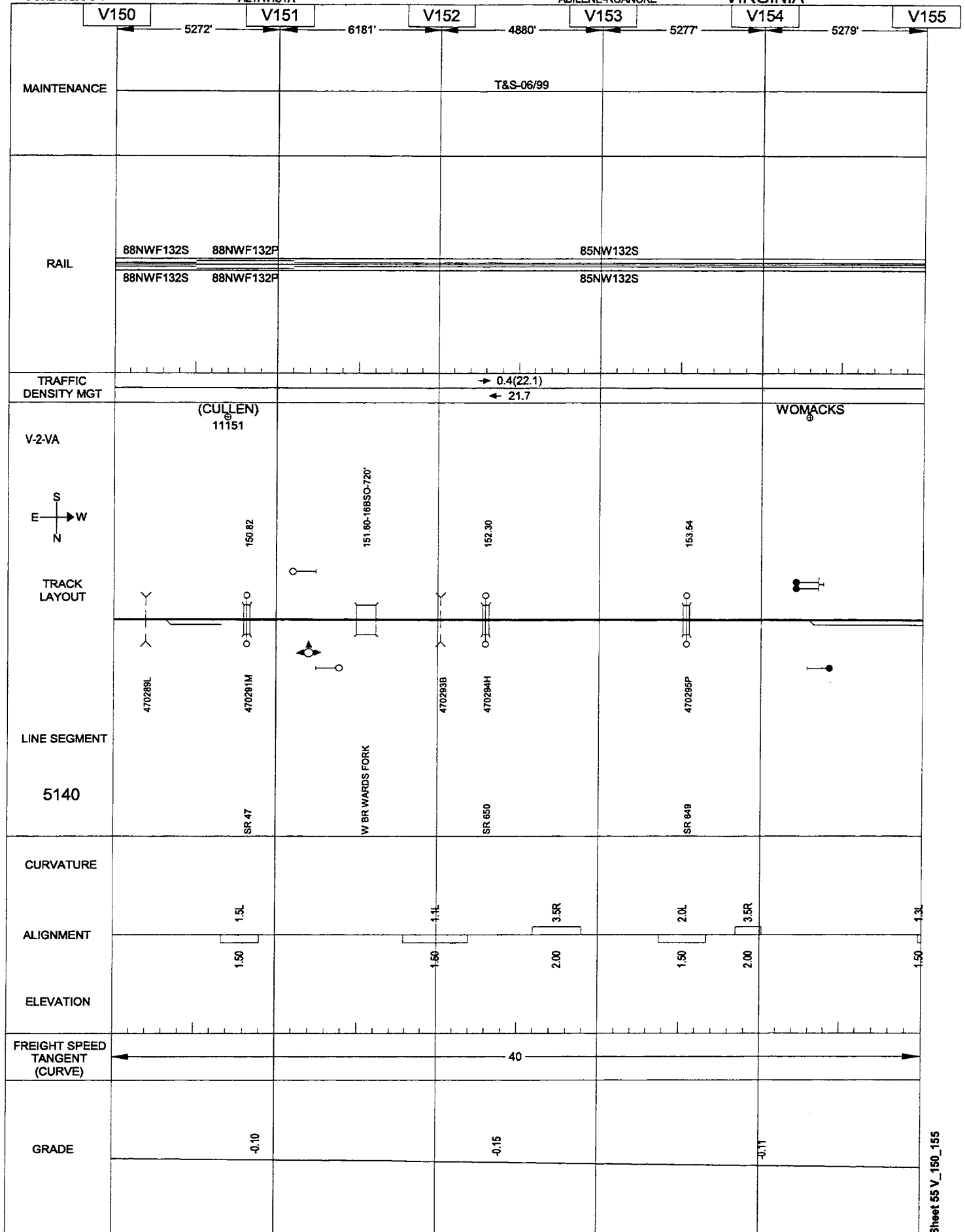


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

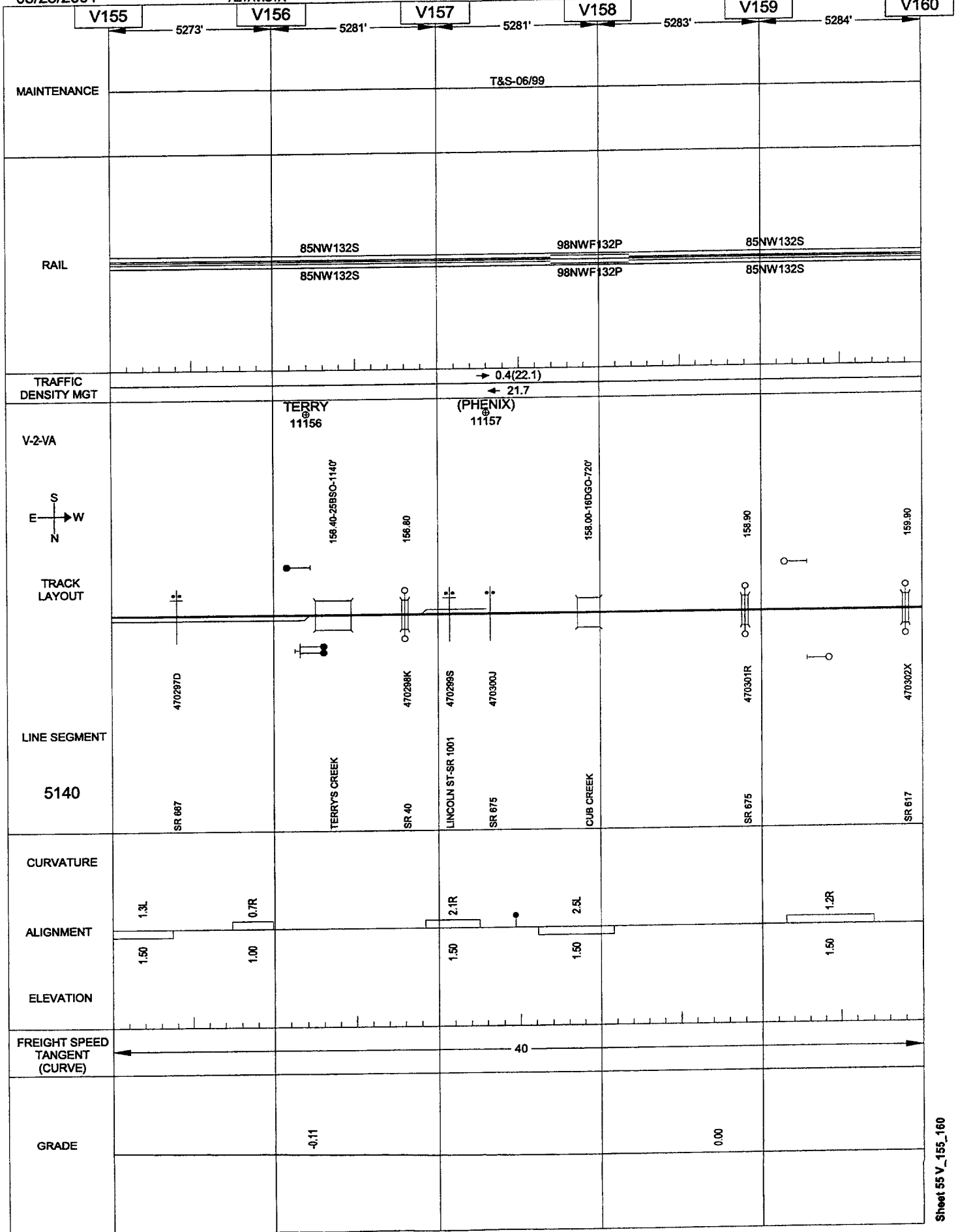


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

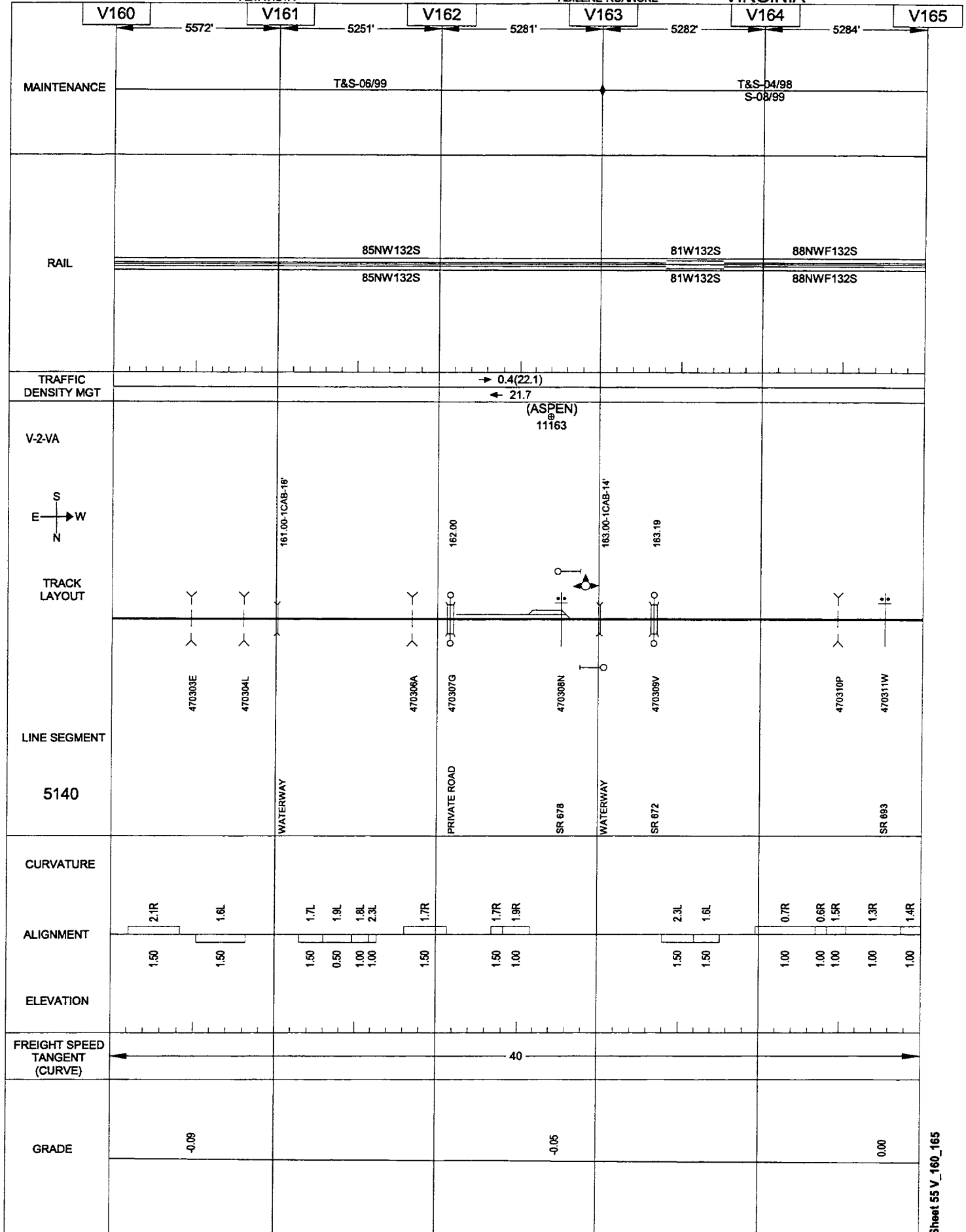


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

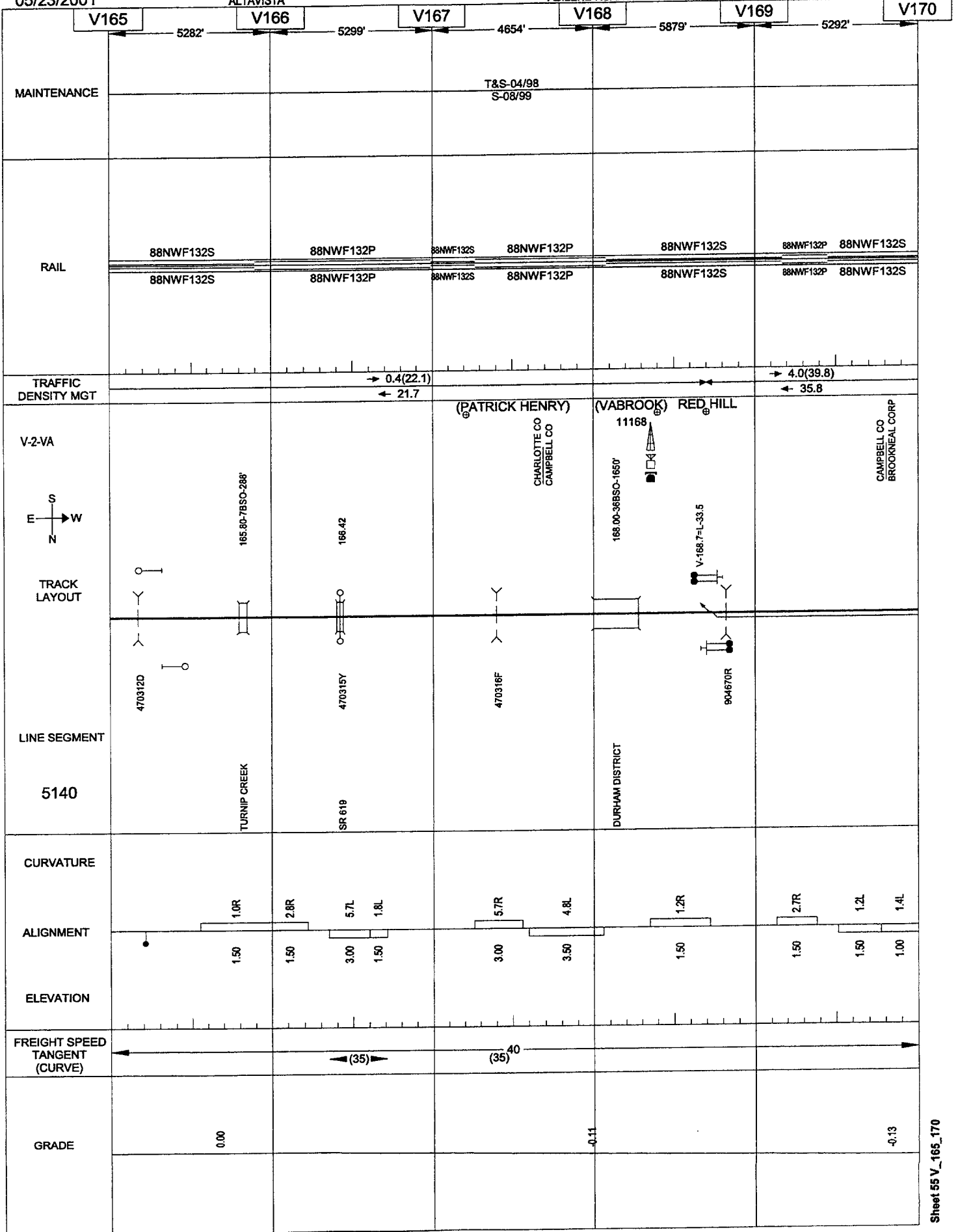


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ABILENE-ROANOKE

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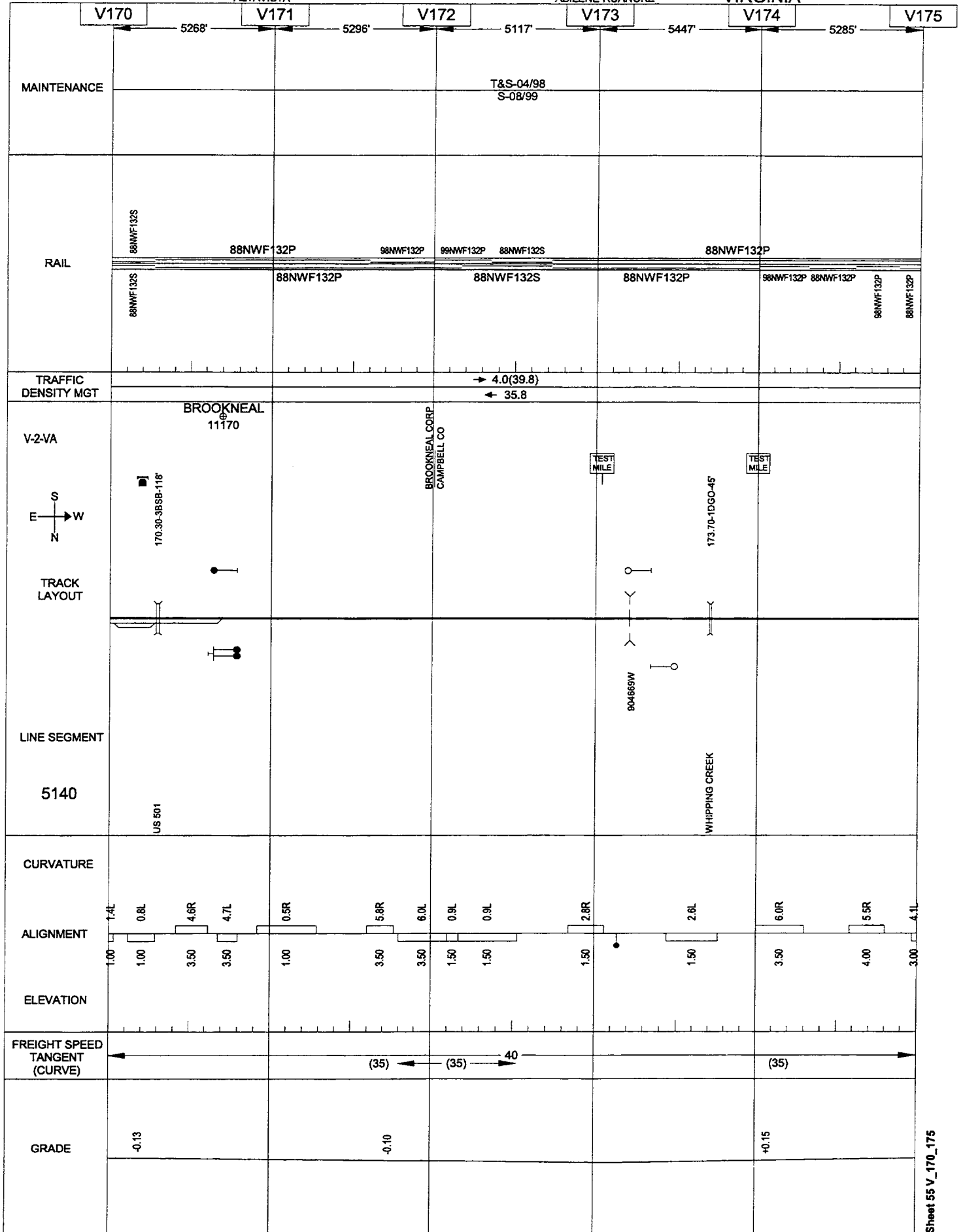


05/23/2001

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ABILENE-ROANOKE

VIRGINIA

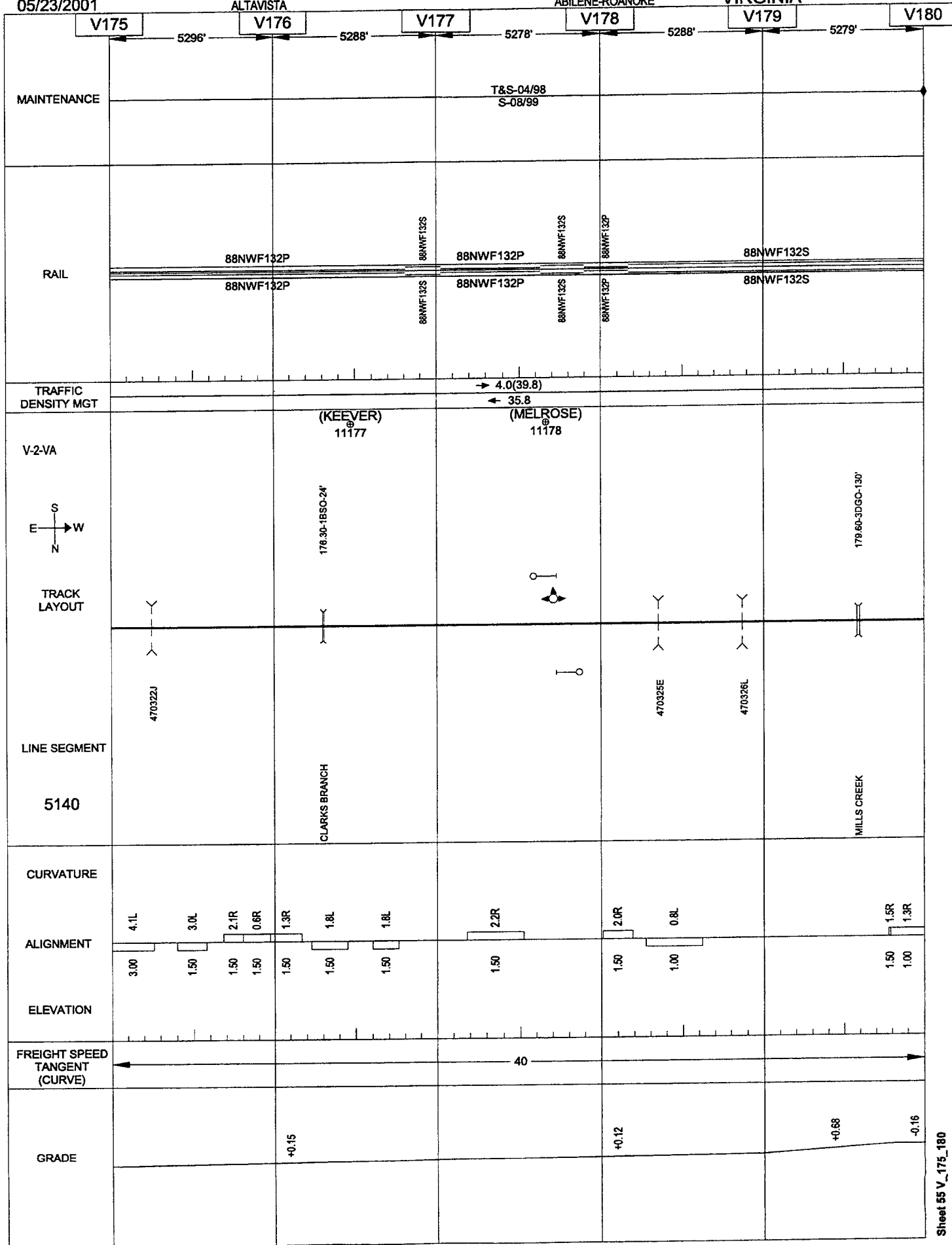


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

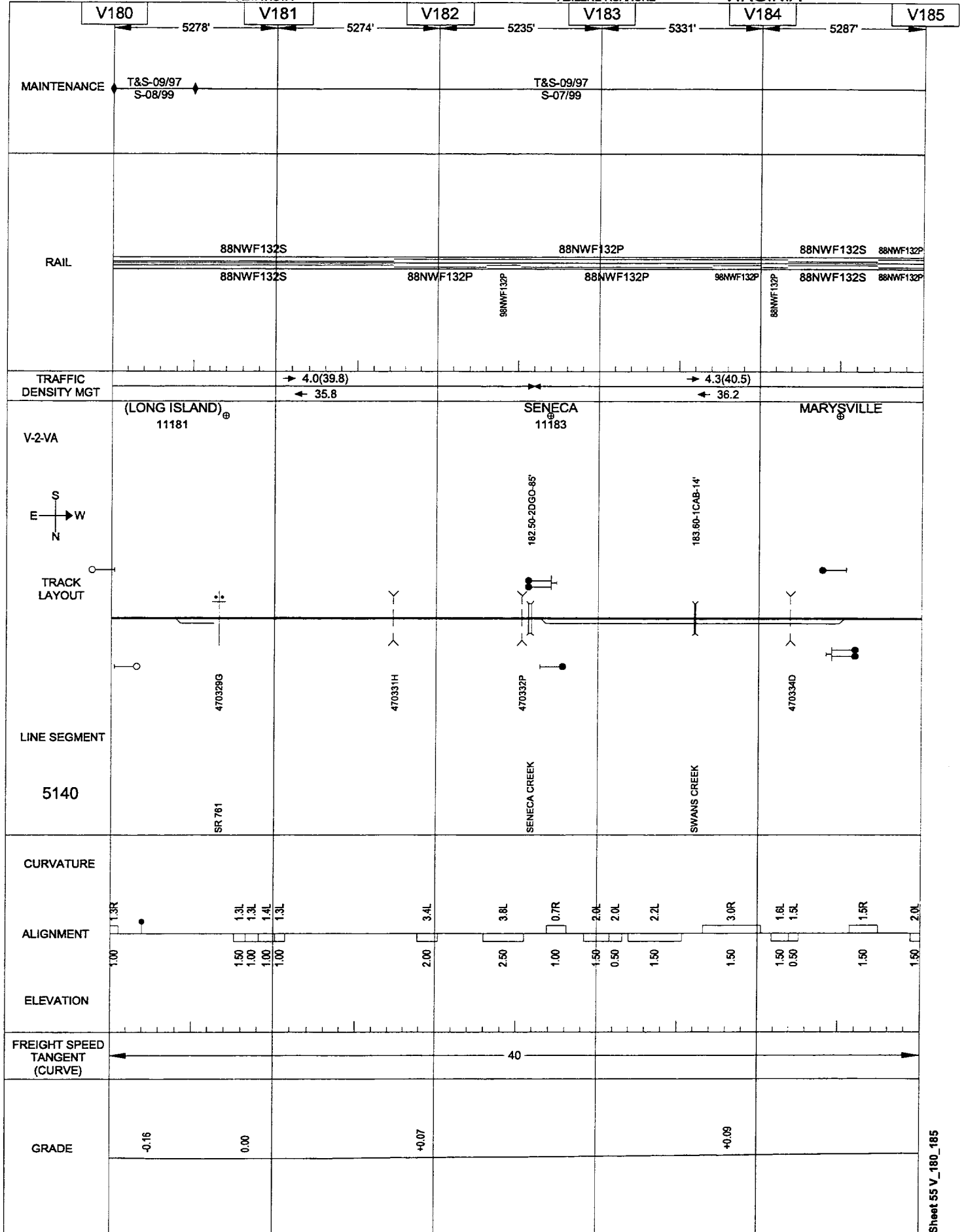


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA



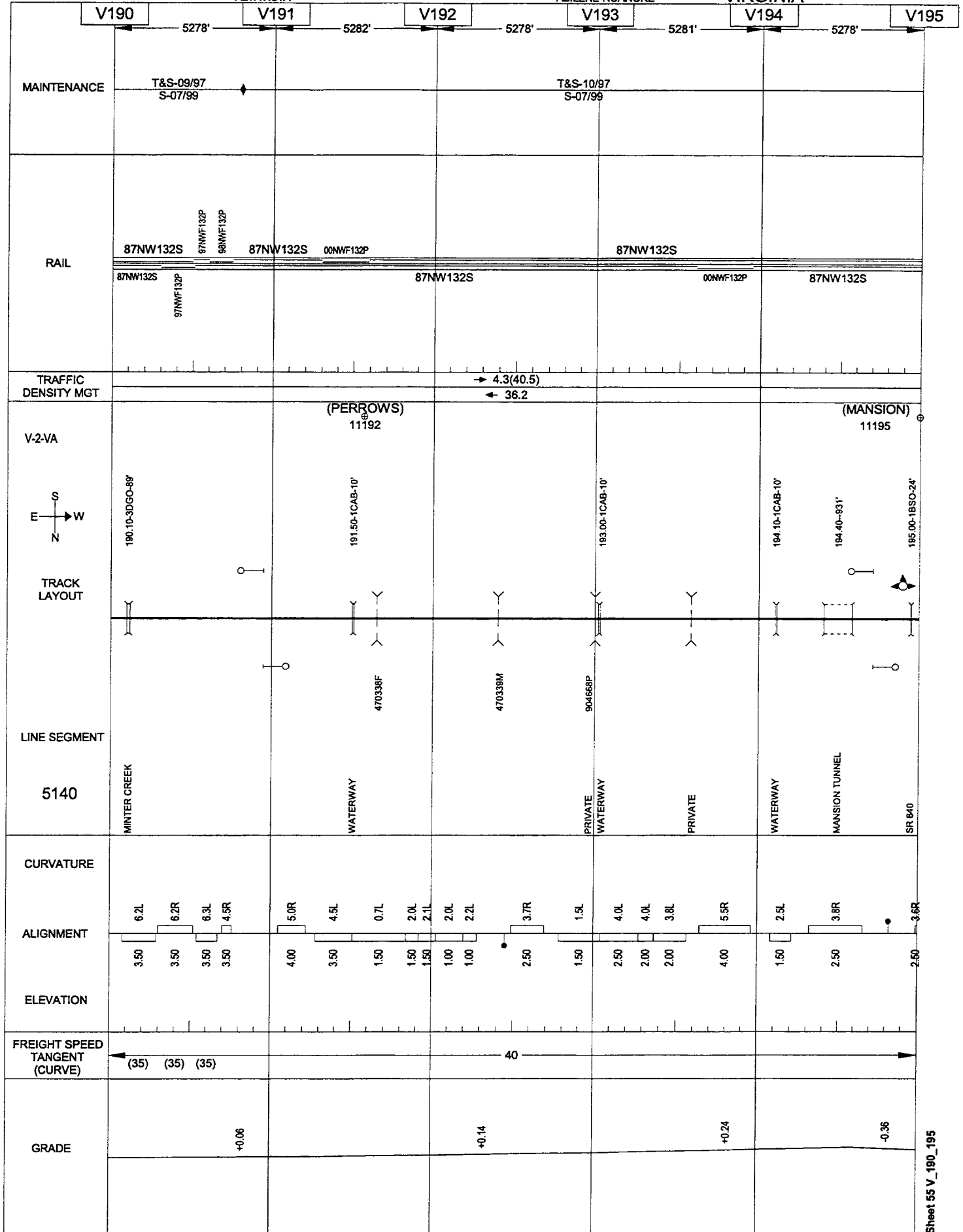
Sheet 55 V_185_190

05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

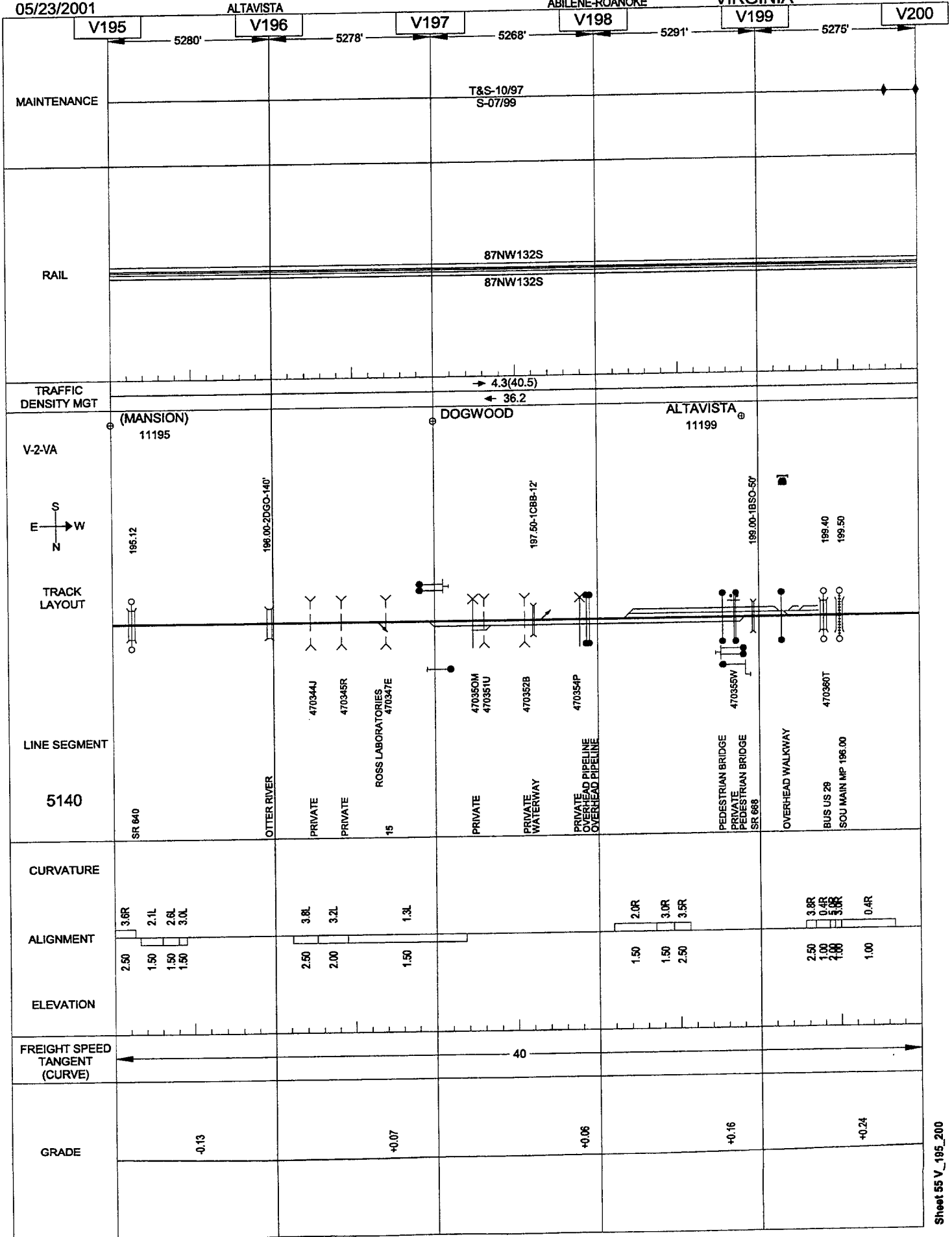


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

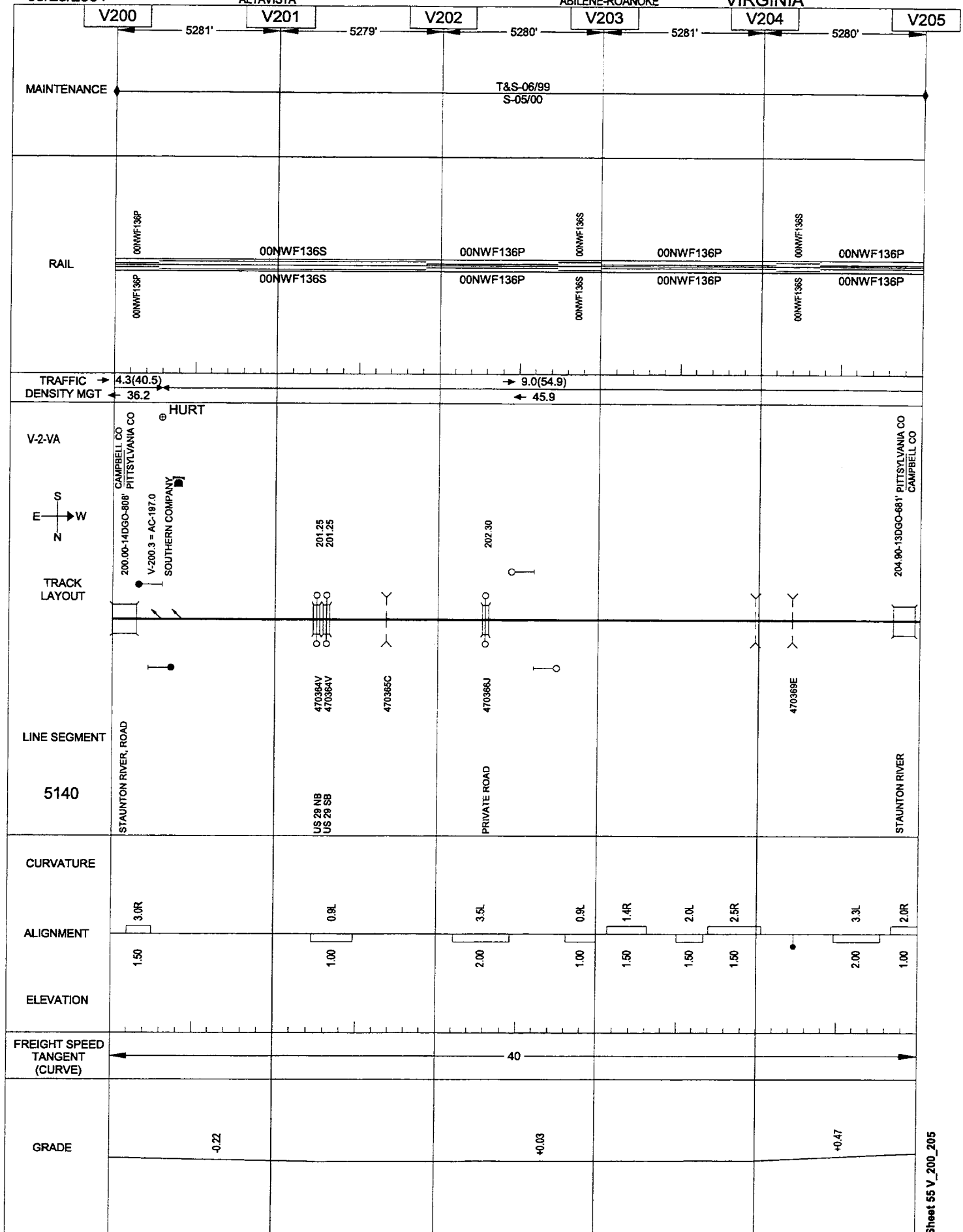


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

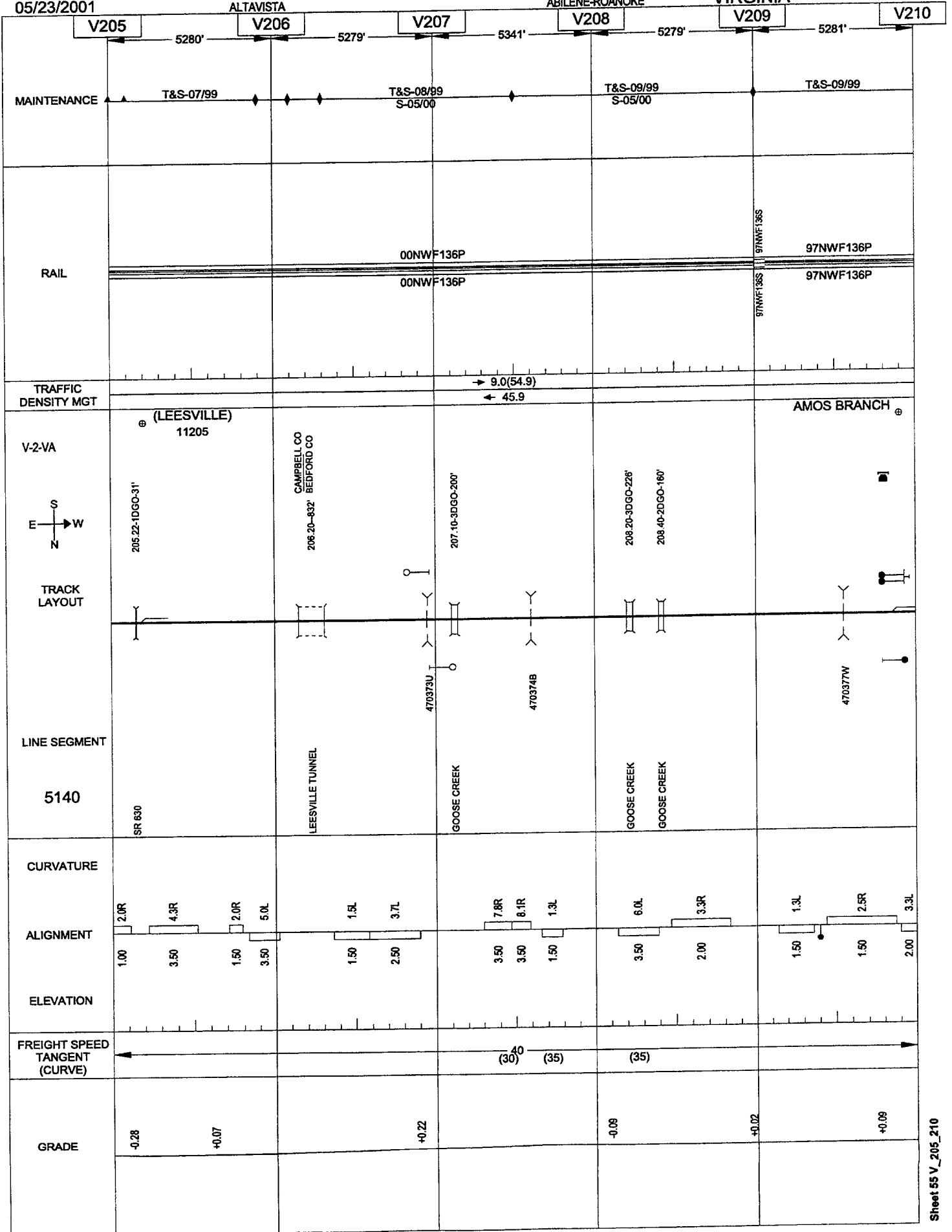


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

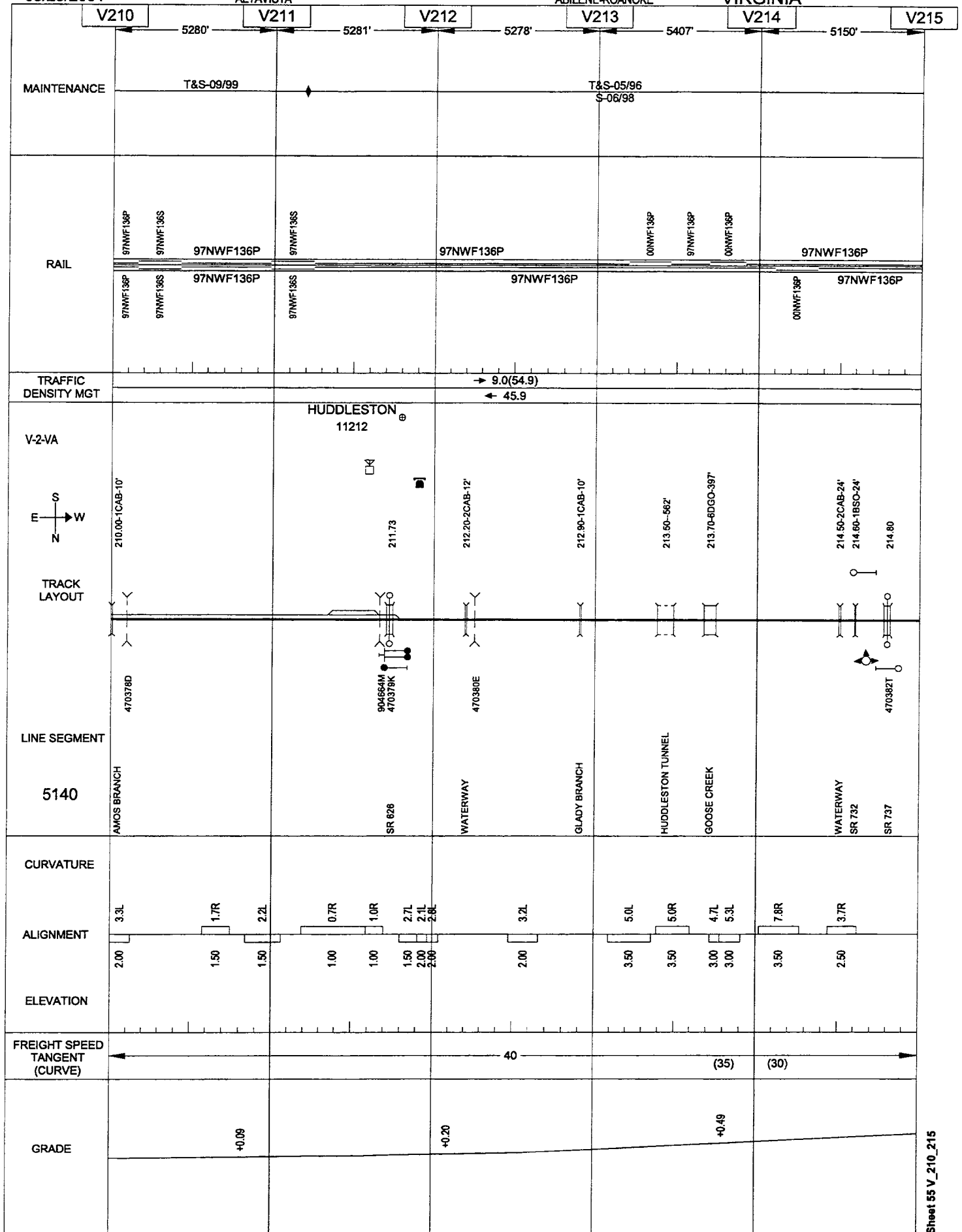


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

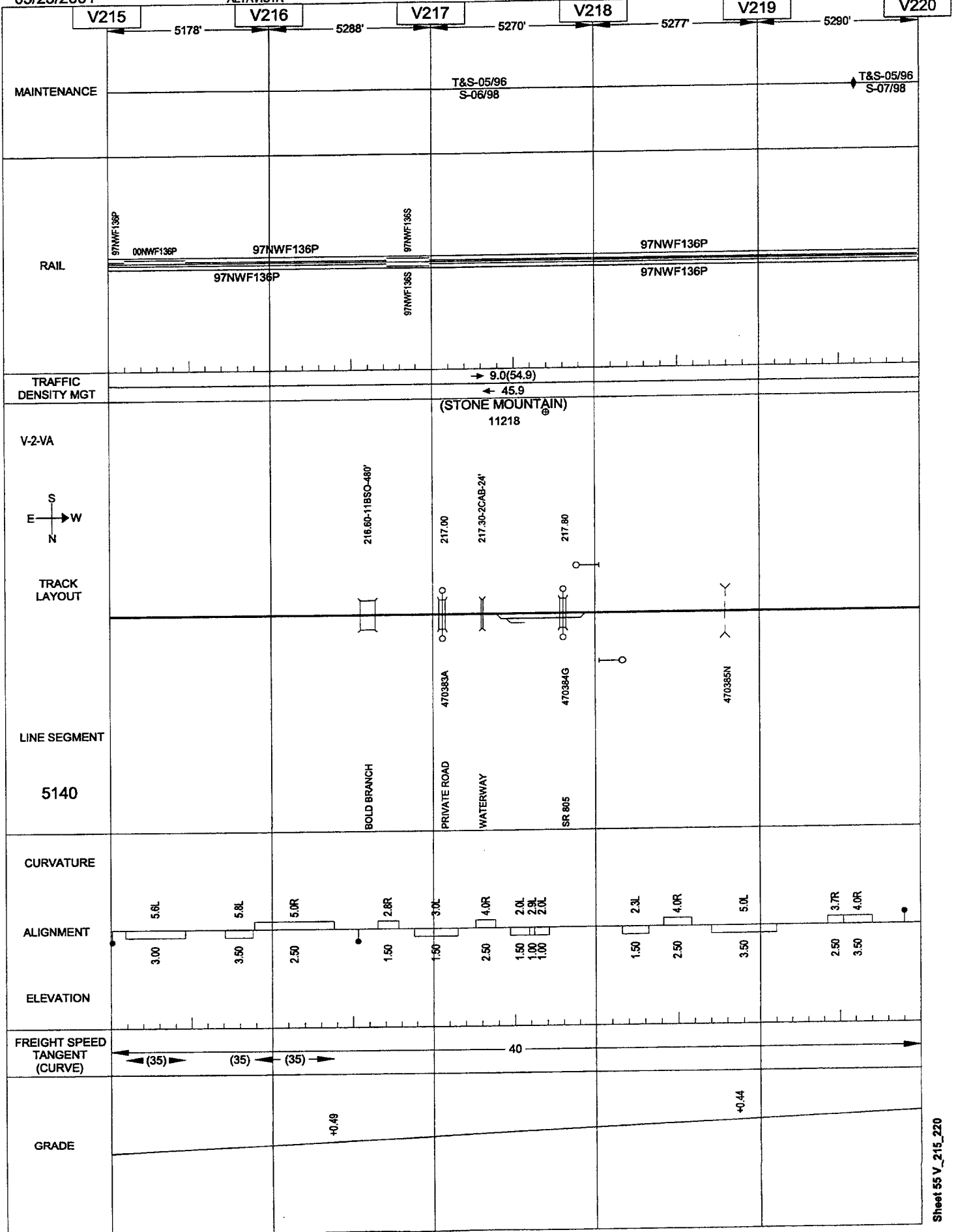


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

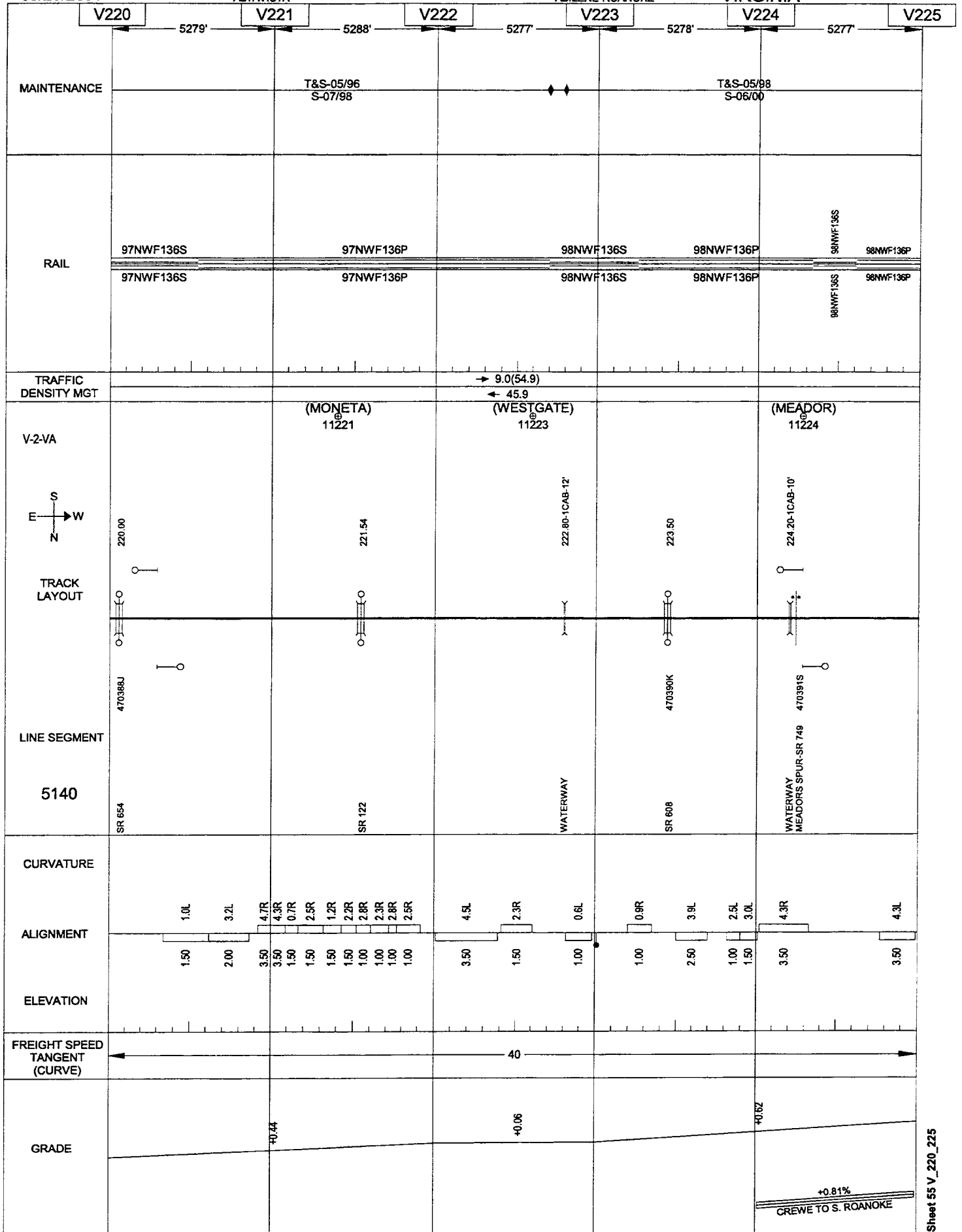


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ALTAVISTA

ABILENE-ROANOKE

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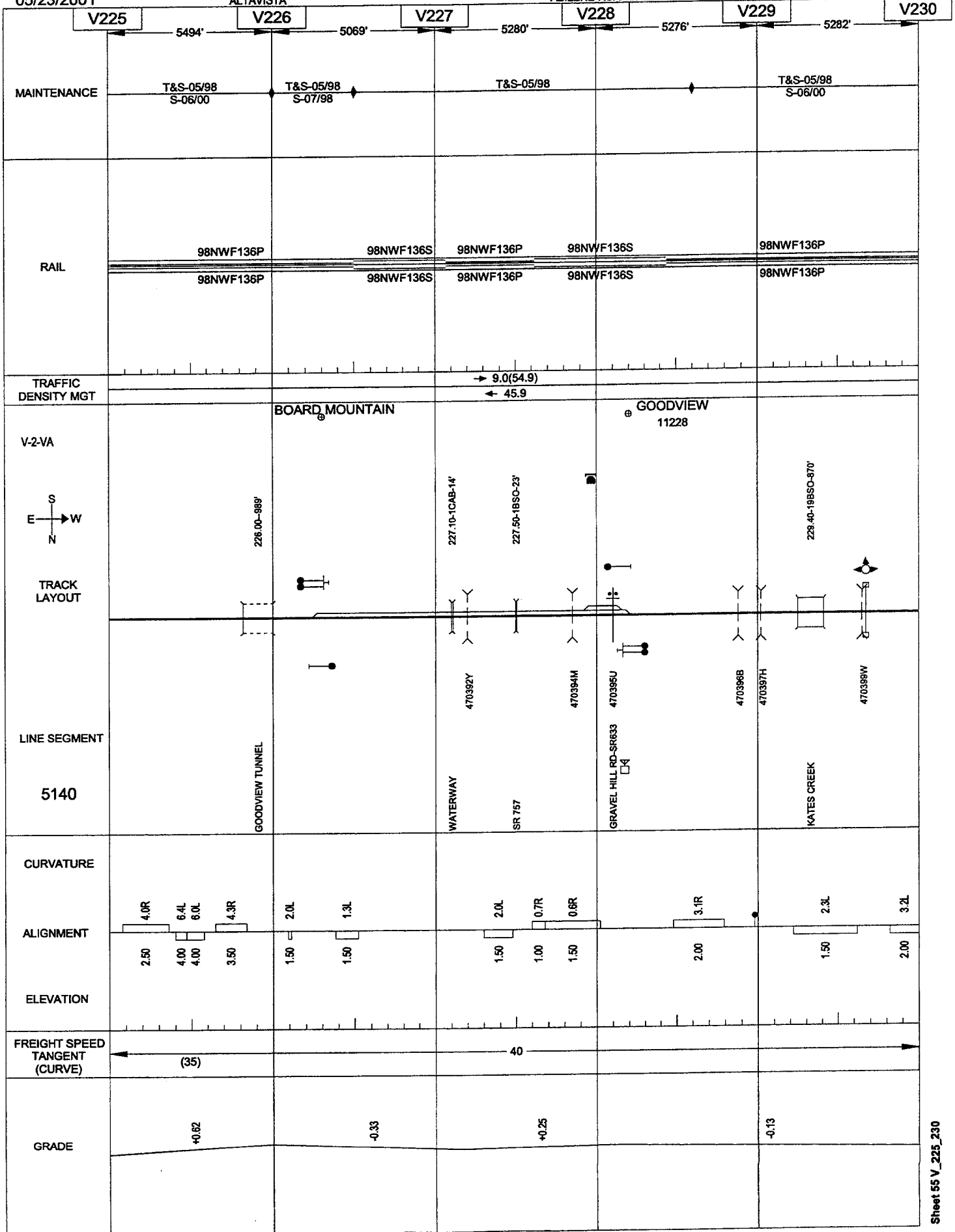


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

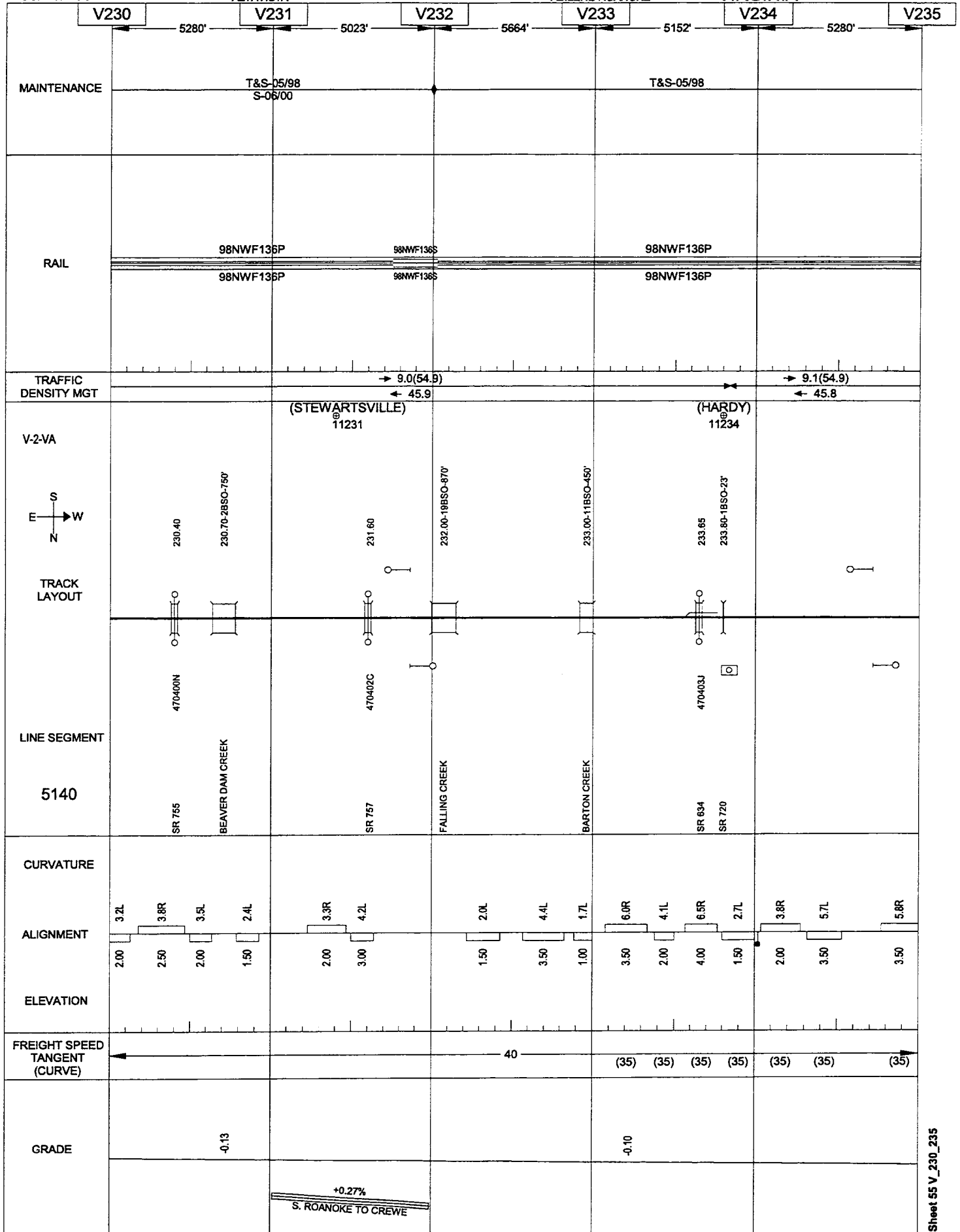


05/23/2001

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ABILENE-ROANOKE

VIRGINIA

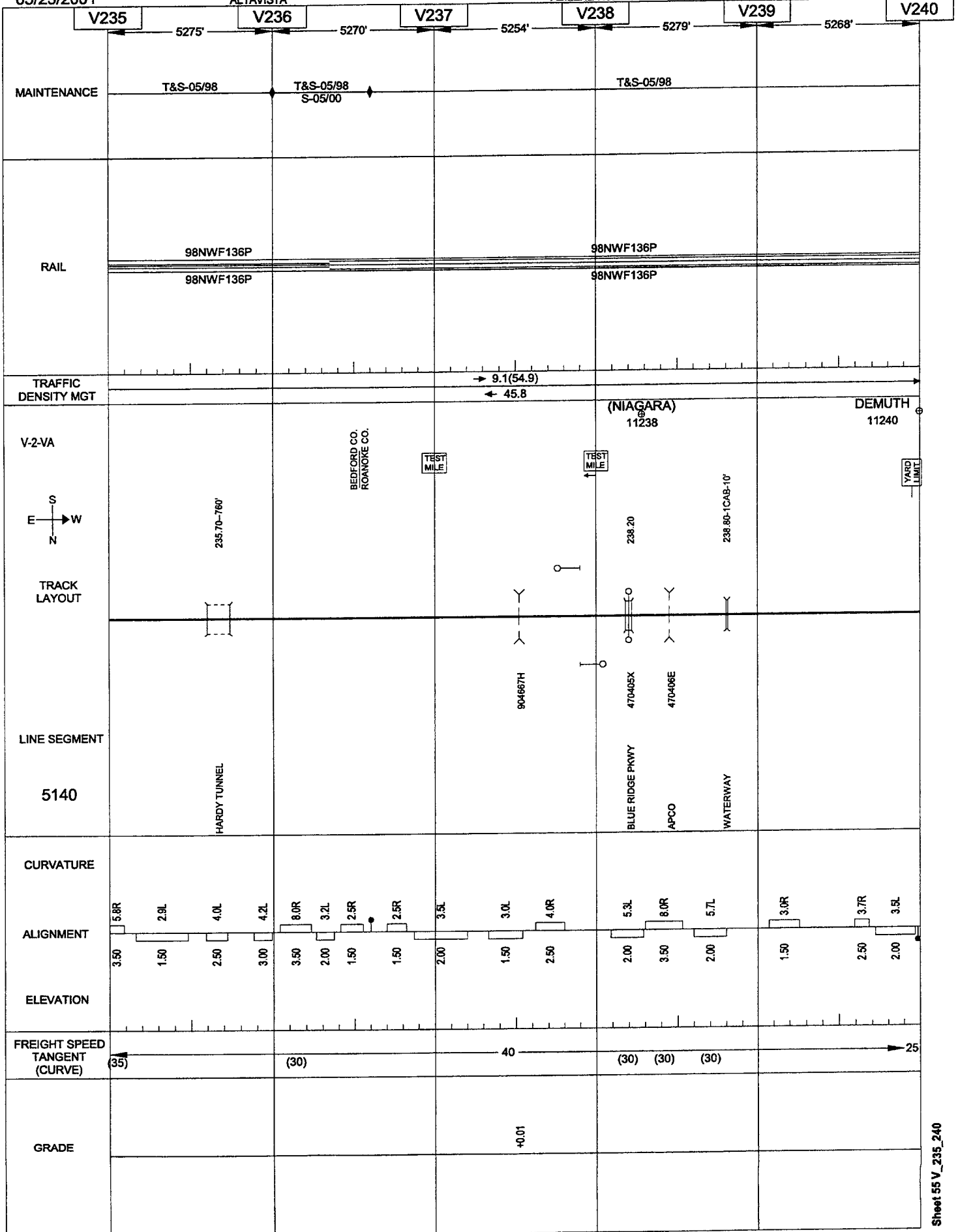


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA

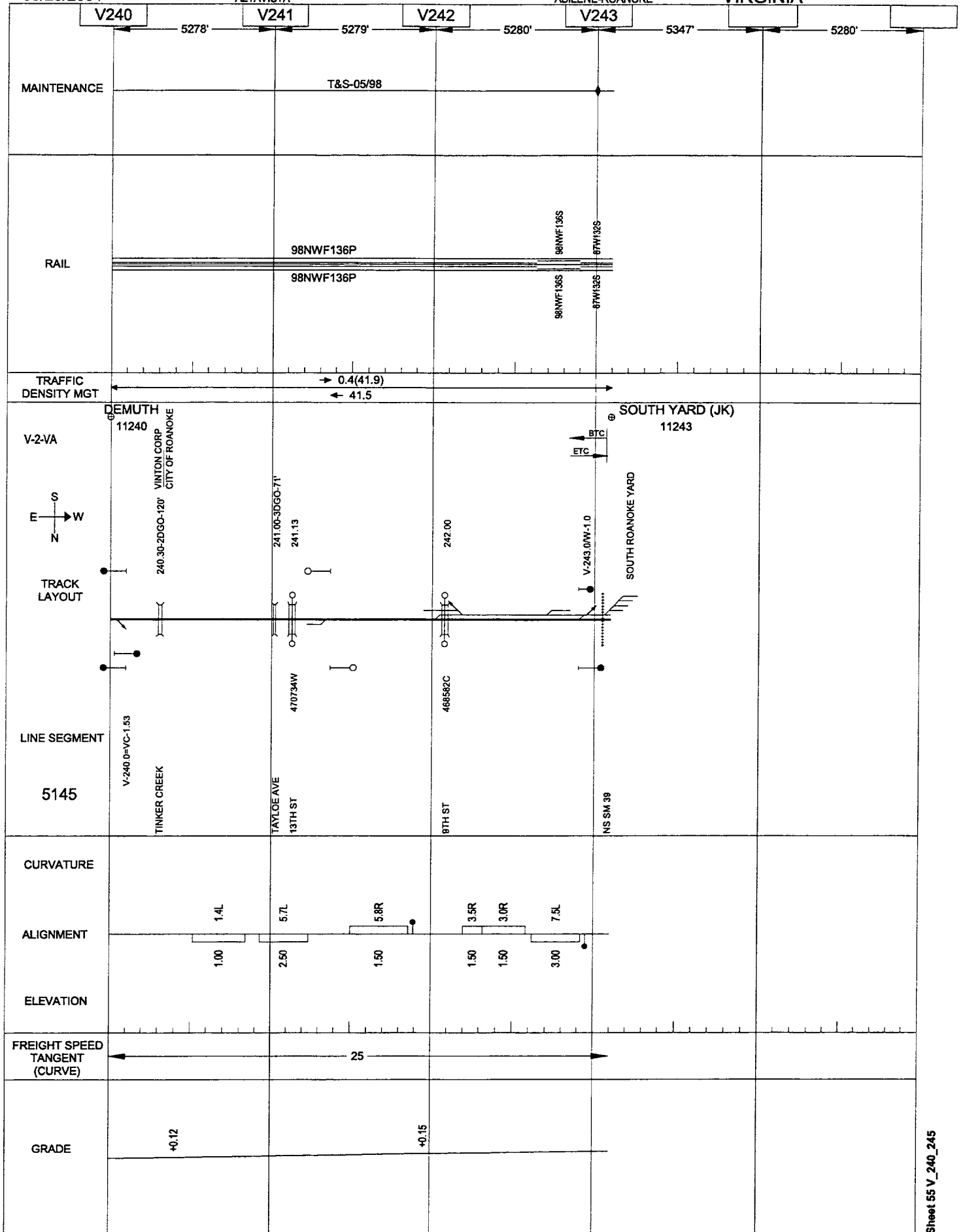


05/23/2001

ALTAVISTA

ABILENE-ROANOKE

VIRGINIA



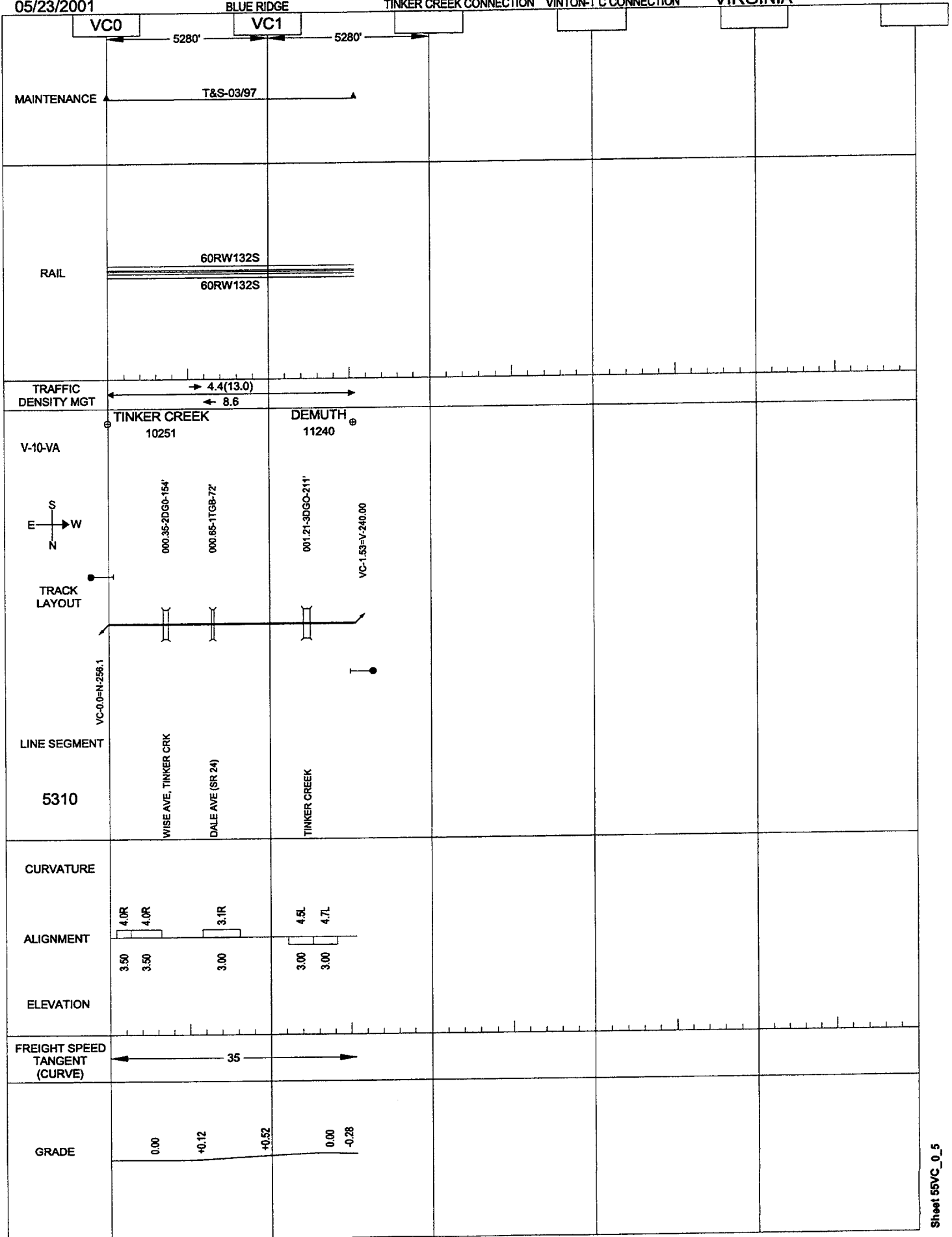
05/23/2001

BLUE RIDGE

TINKER CREEK CONNECTION

VINTON-T C CONNECTION

VIRGINIA



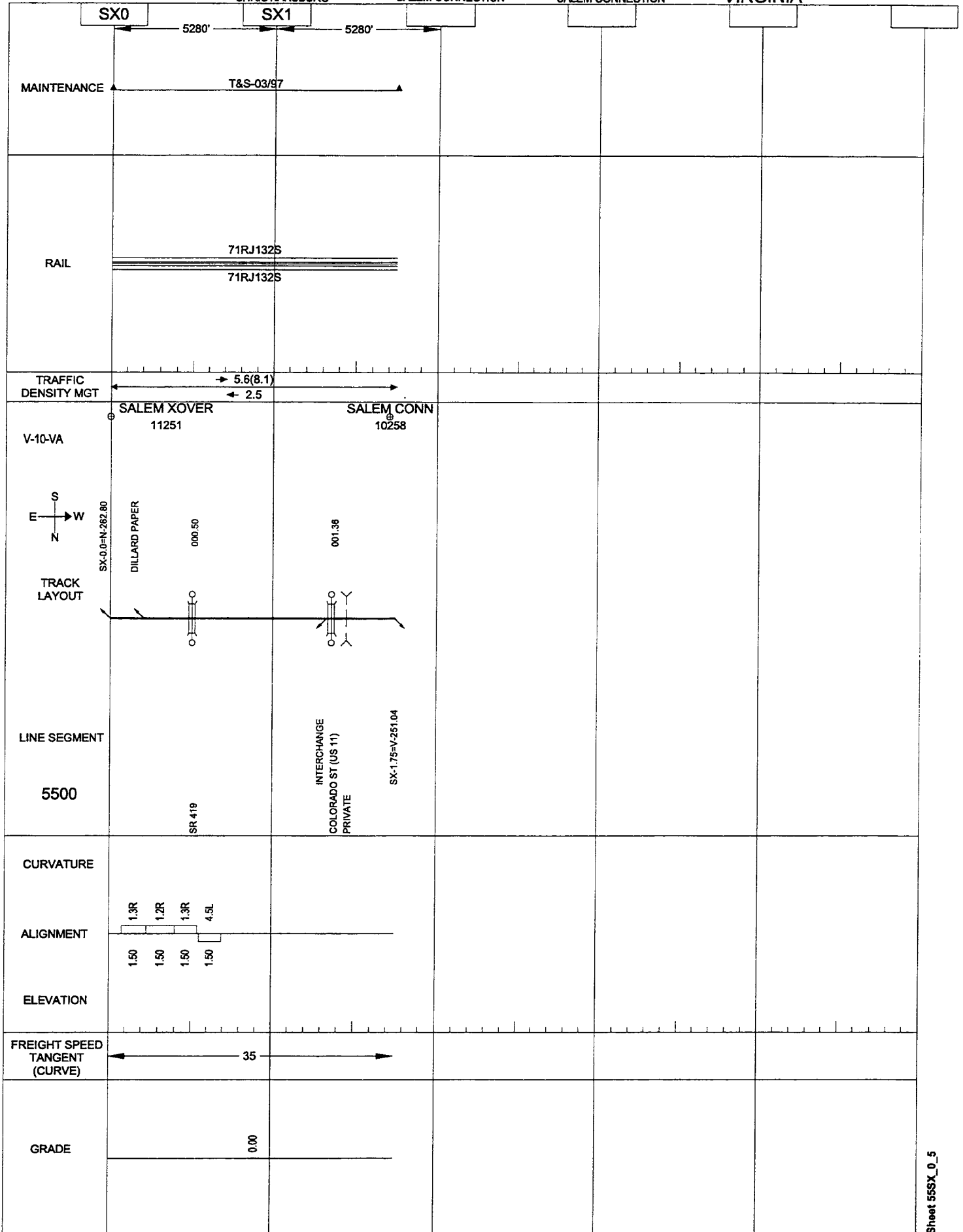
05/23/2001

CHRISTIANSBURG

SALEM CONNECTION

SALEM CONNECTION

VIRGINIA



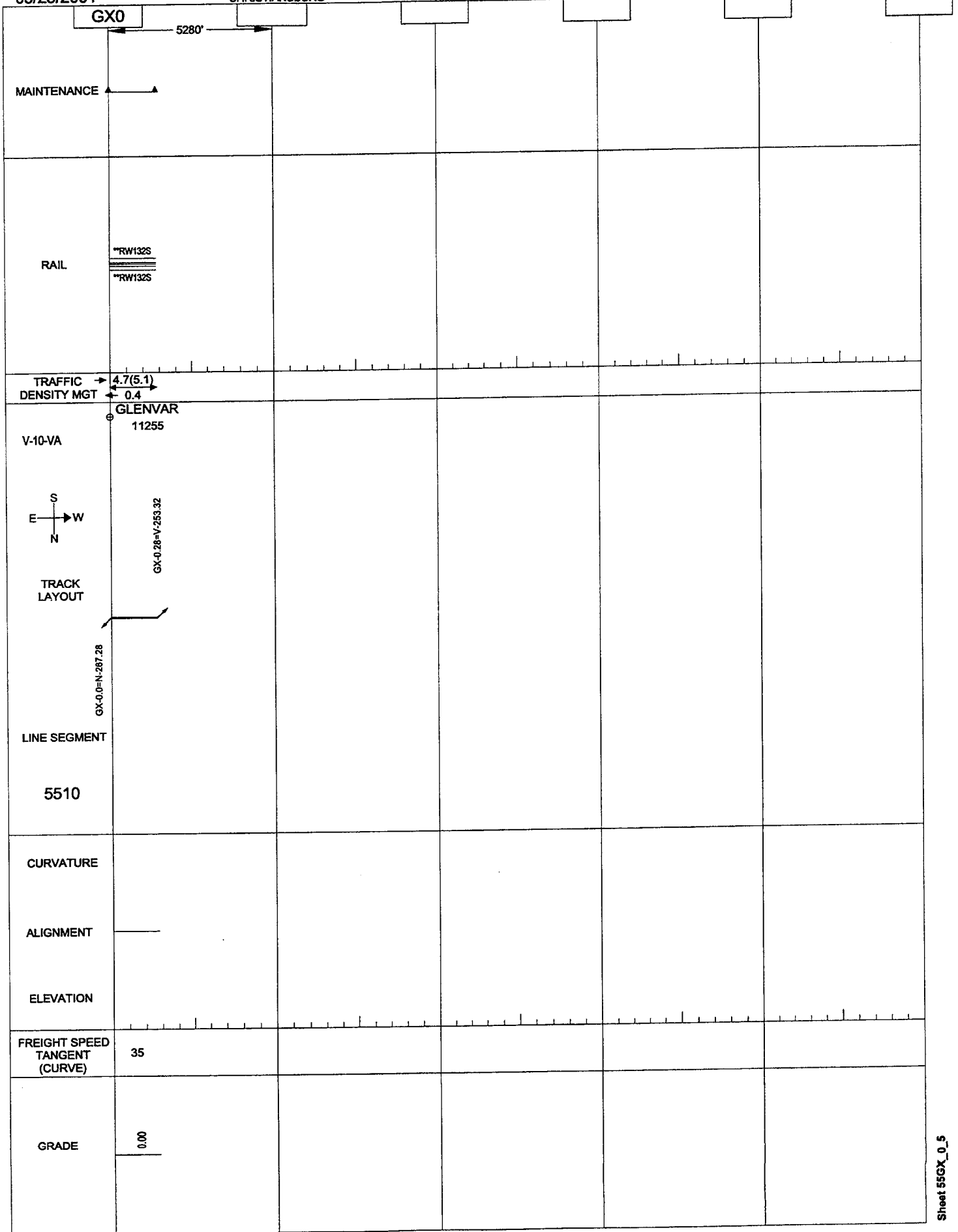
05/23/2001

CHRISTIANSBURG

GLENVAR CROSSOVER

GLENVAR CROSSOVER

VIRGINIA



05/23/2001

WHITETHORNE

ROANOKE-NARROWS

VIRGINIA

V244

V245

5278'

5279'

5280'

5347'

5280'

MAINTENANCE

T&S-05/96
S-01/98

RAIL

80W100S
80W100S

80W100S
88RWF132S
88RWF132S
80W100S

TRAFFIC
DENSITY MGT

→ 0.1(41.1)
← 1.0

V-2-VA

⊕ SOUTH YARD (JK)
11243

WE S. ROANOKE YD

BTC
ETC

S
E → W
N

TRACK
LAYOUT

243.11
243.19

243.55
243.75

244.35

LINE SEGMENT

5480

V-243.1W-0.9

WALNUT ST
JEFFERSON ST

FRANKLIN RD
1-581

MAIN ST

468587L

468588T

468589A

CURVATURE

ALIGNMENT

ELEVATION

4.5R
0.00
3.6R
0.00
3.7R
0.00
3.6R
0.00
3.7R
0.00
5.2R
0.00
6.0L
0.00
1.9L
0.00
5.7L
0.00

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

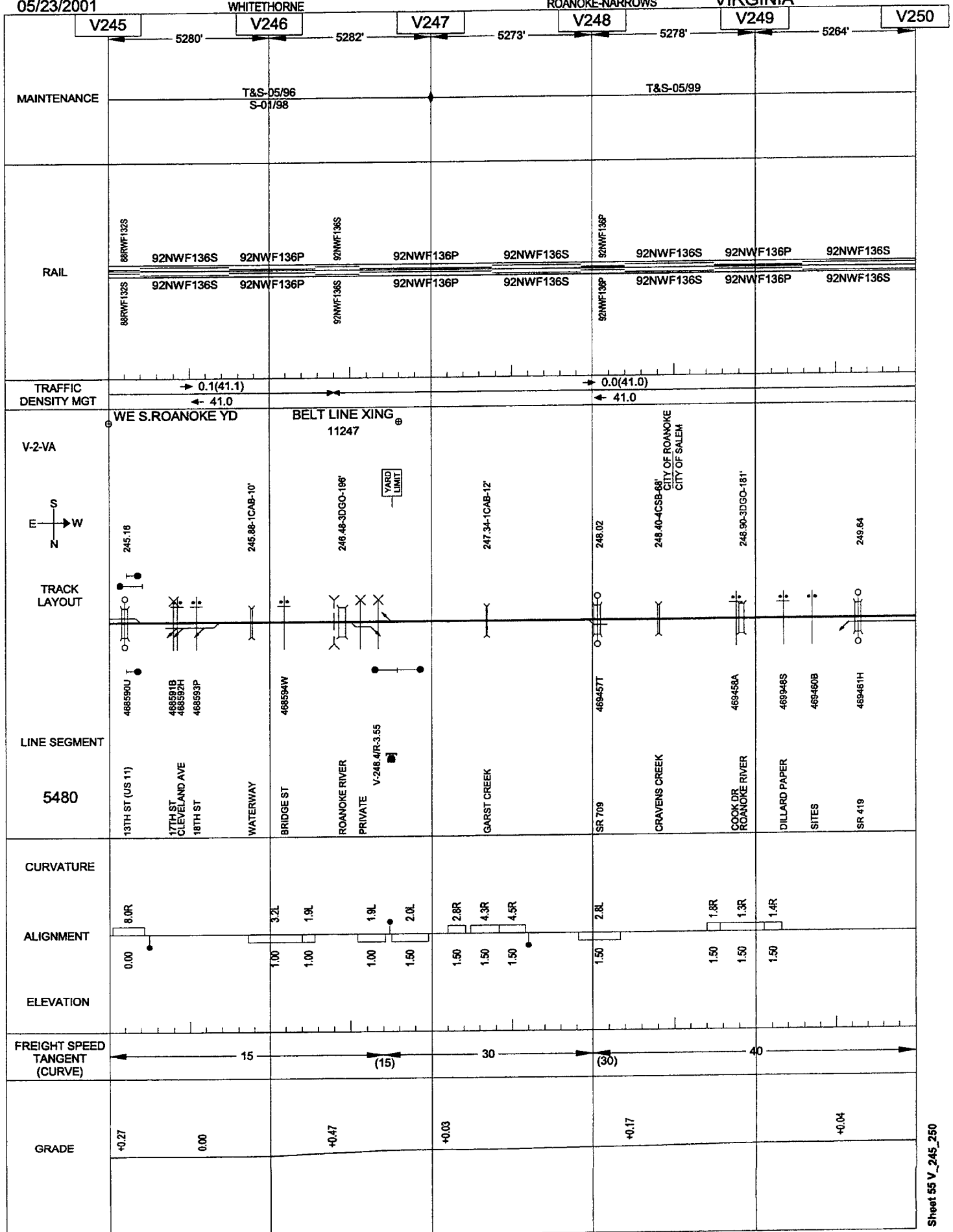
+0.27

05/23/2001

WHITETHORNE

ROANOKE-NARROWS

VIRGINIA

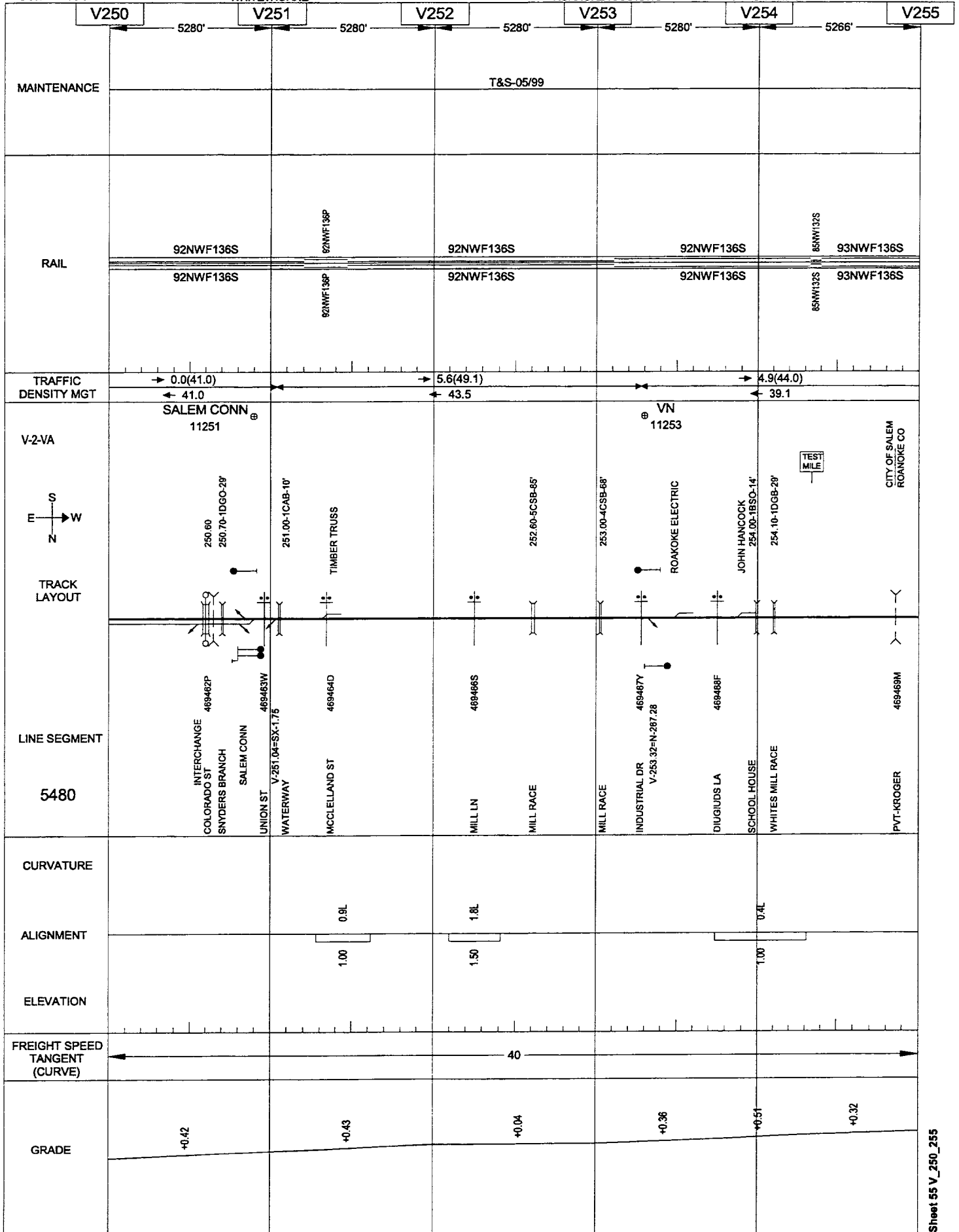


05/23/2001

WHITETHORNE

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VIRGINIA

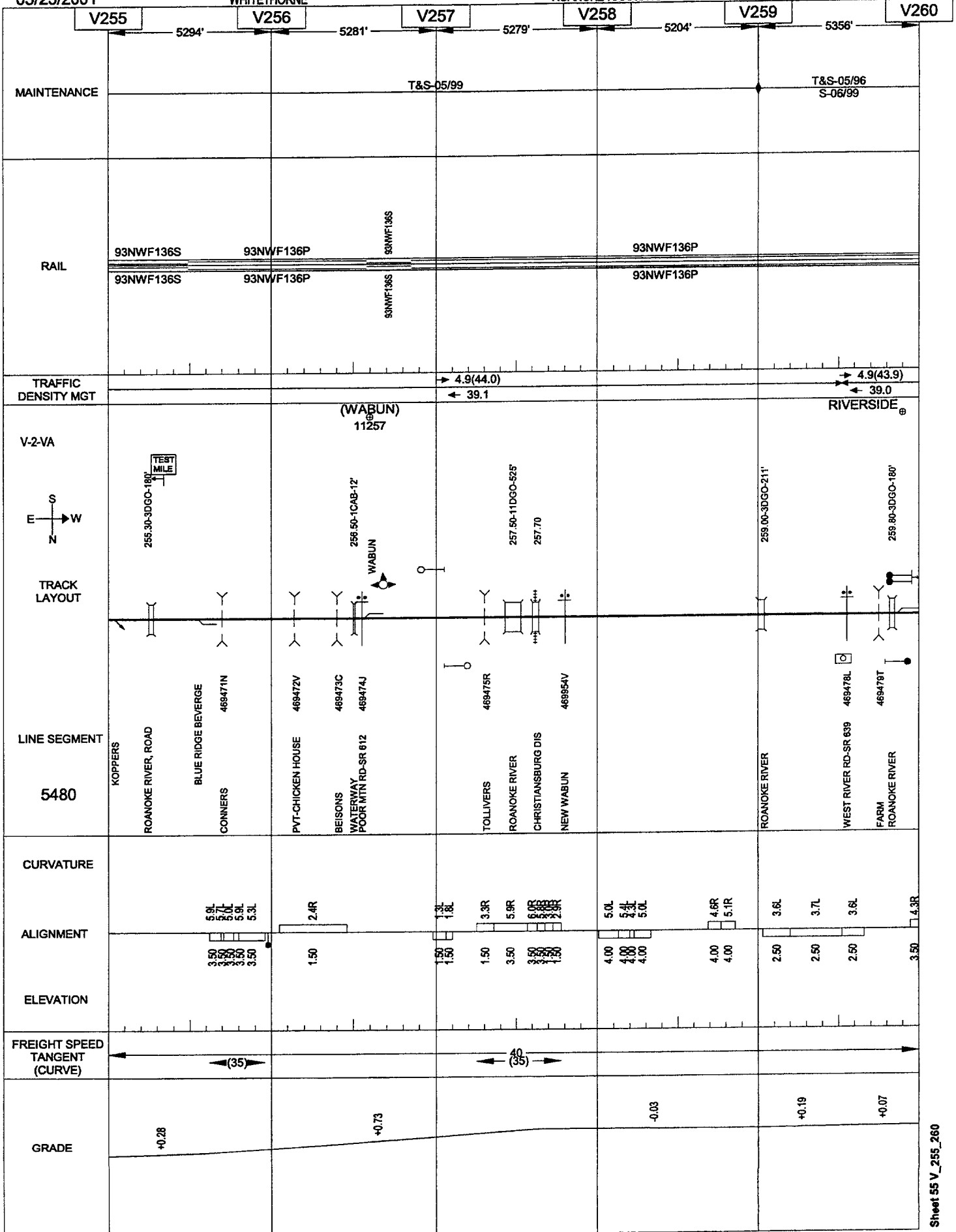


05/23/2001

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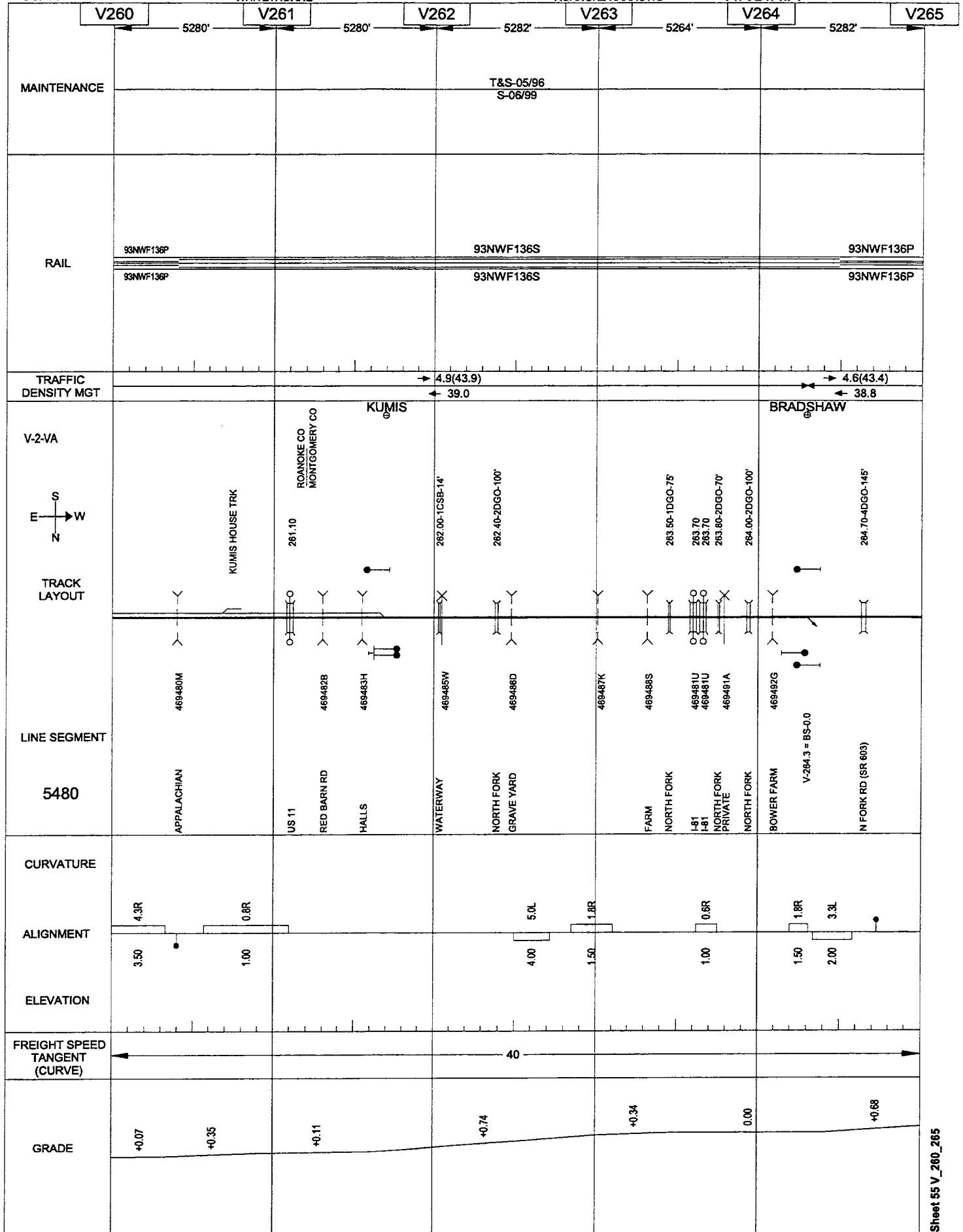


05/23/2001

WHITETHORNE

ROANOKE-NARROWS

VIRGINIA



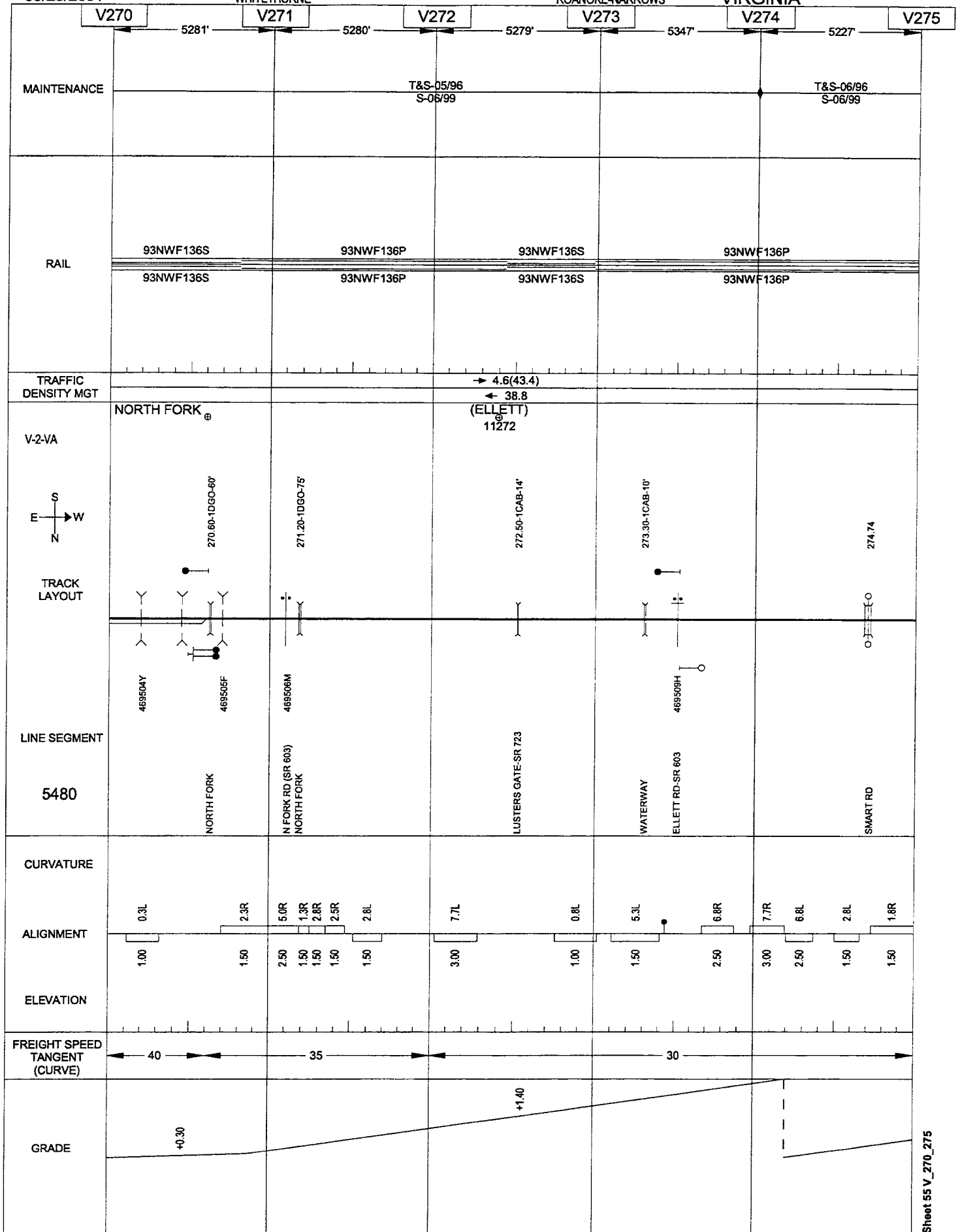
Sheet 55 V_265_270

05/23/2001

WHITETHORNE

ROANOKE-NARROWS

VIRGINIA



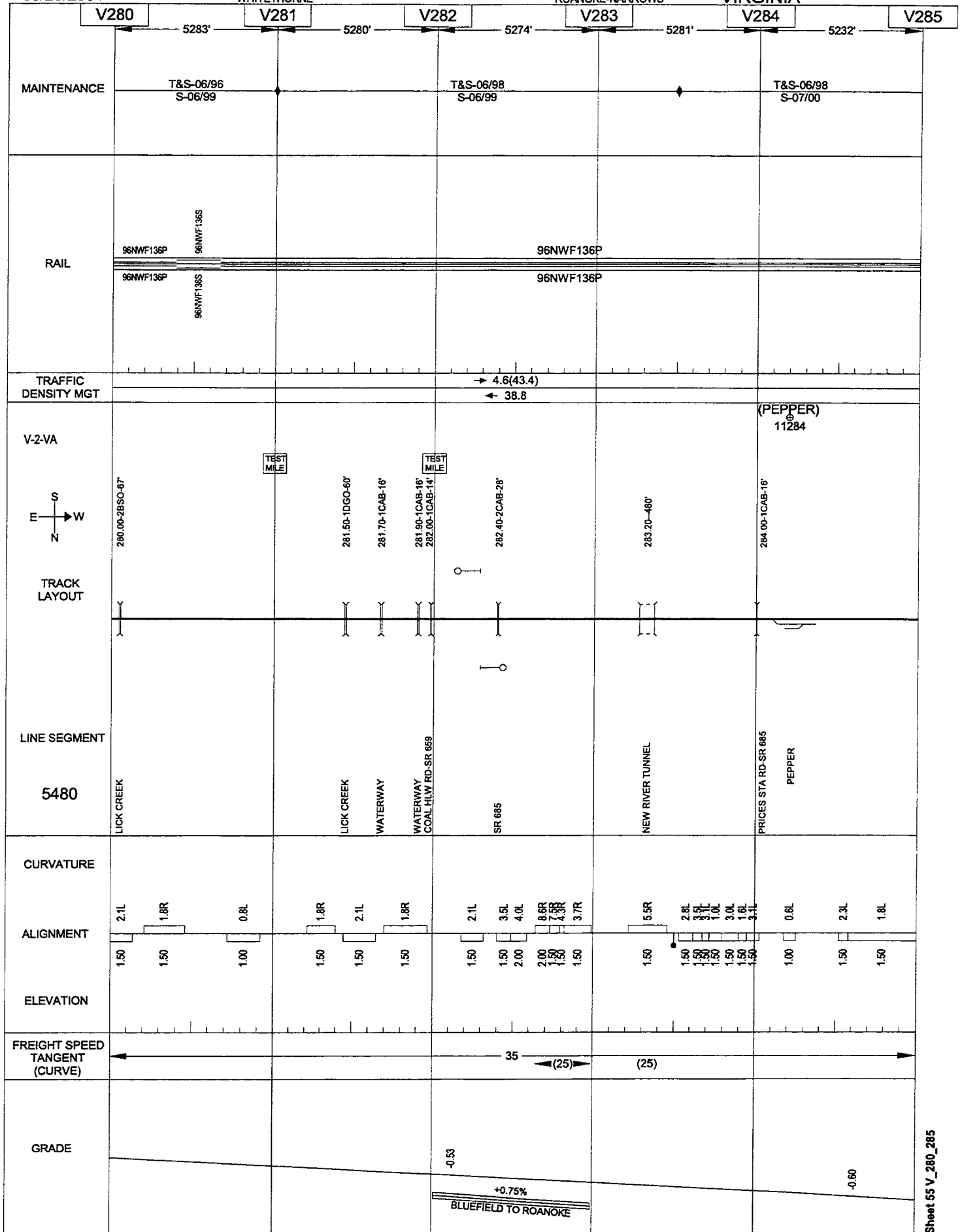


05/23/2001

WHITETHORNE

ROANOKE-NARROWS

VIRGINIA

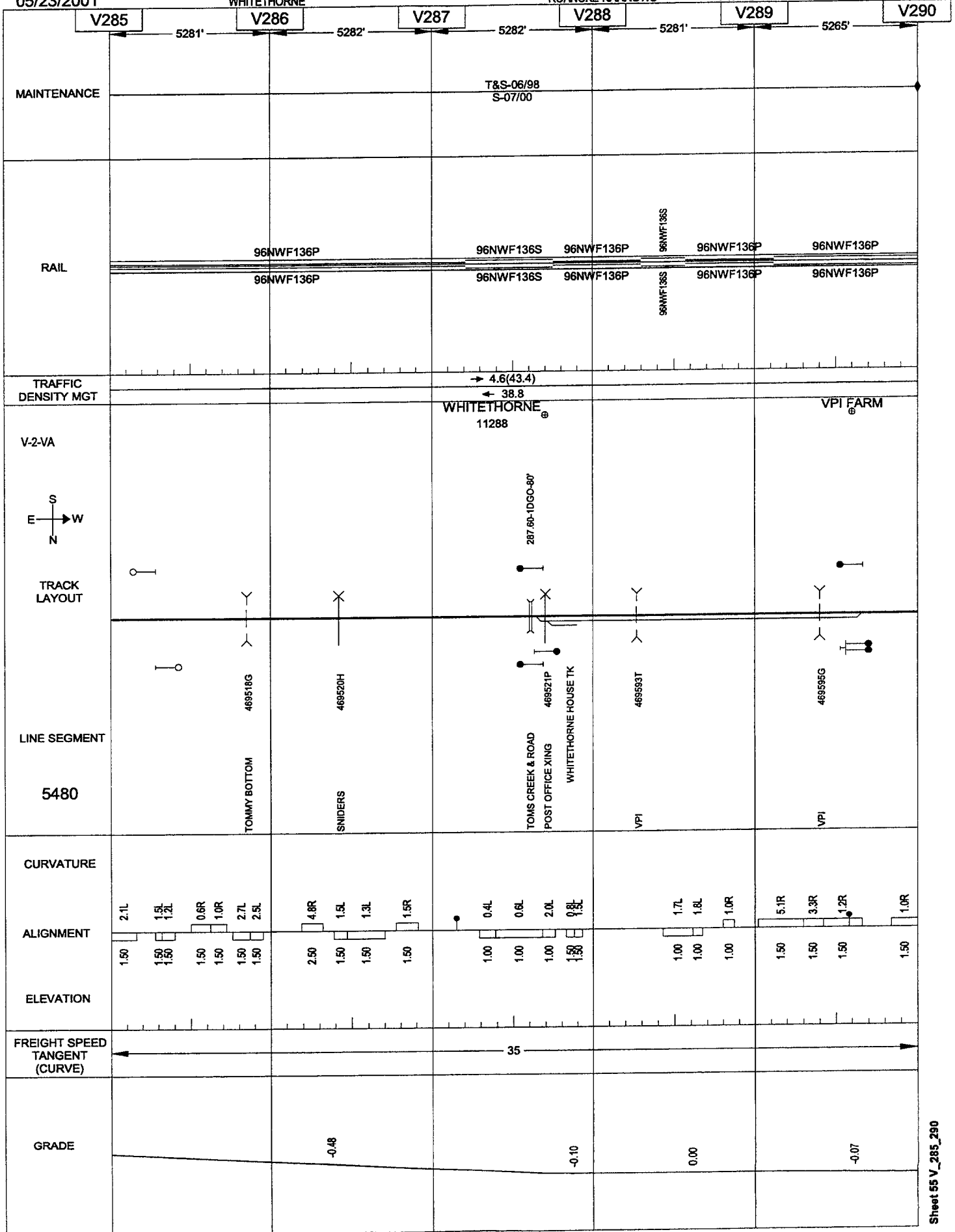


05/23/2001

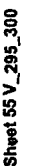
WHITETHORNE

ROANOKE-NARROWS

VIRGINIA



Sheet 55 V_290_295

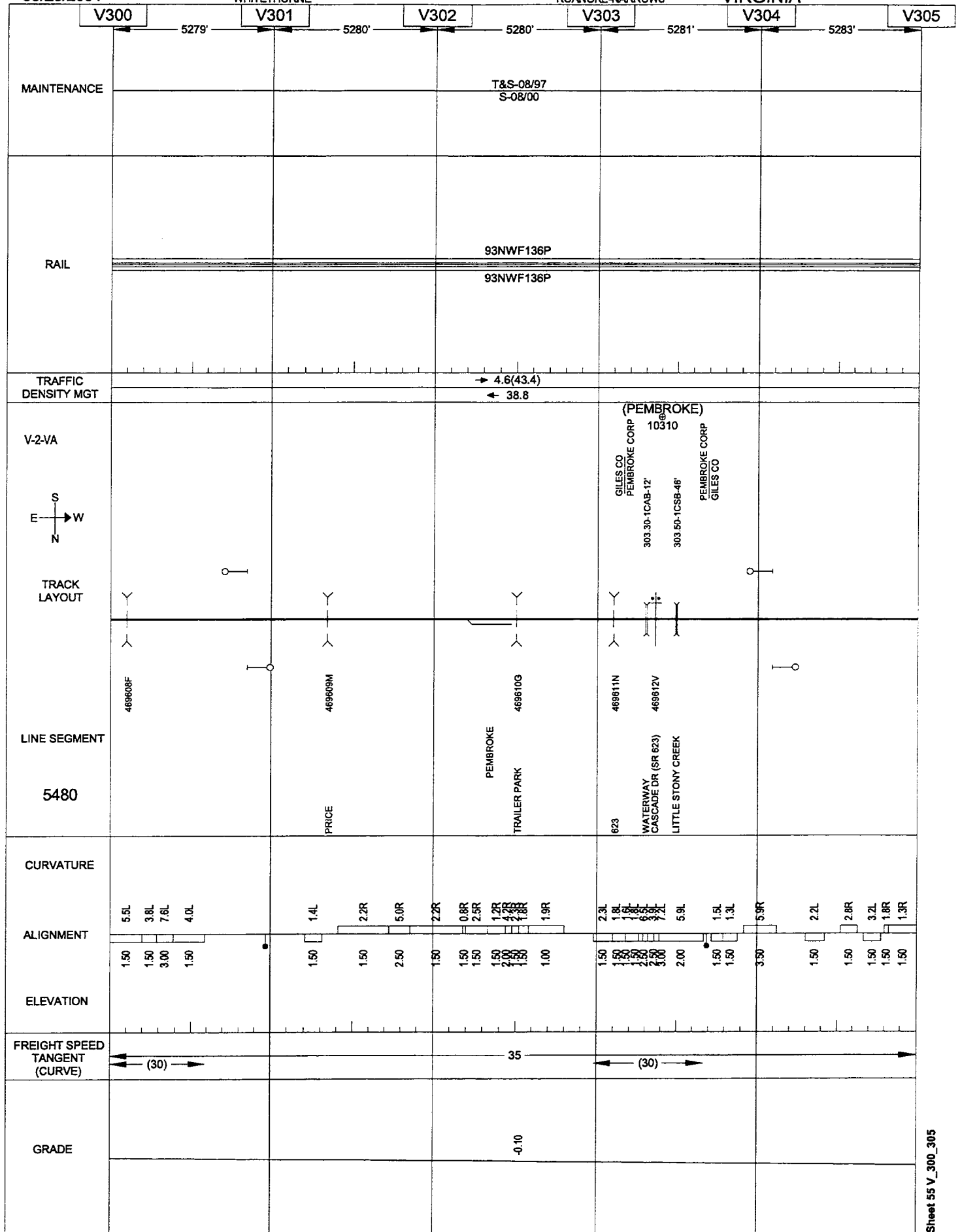


05/23/2001

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ROANOKE-NARROWS

VIRGINIA

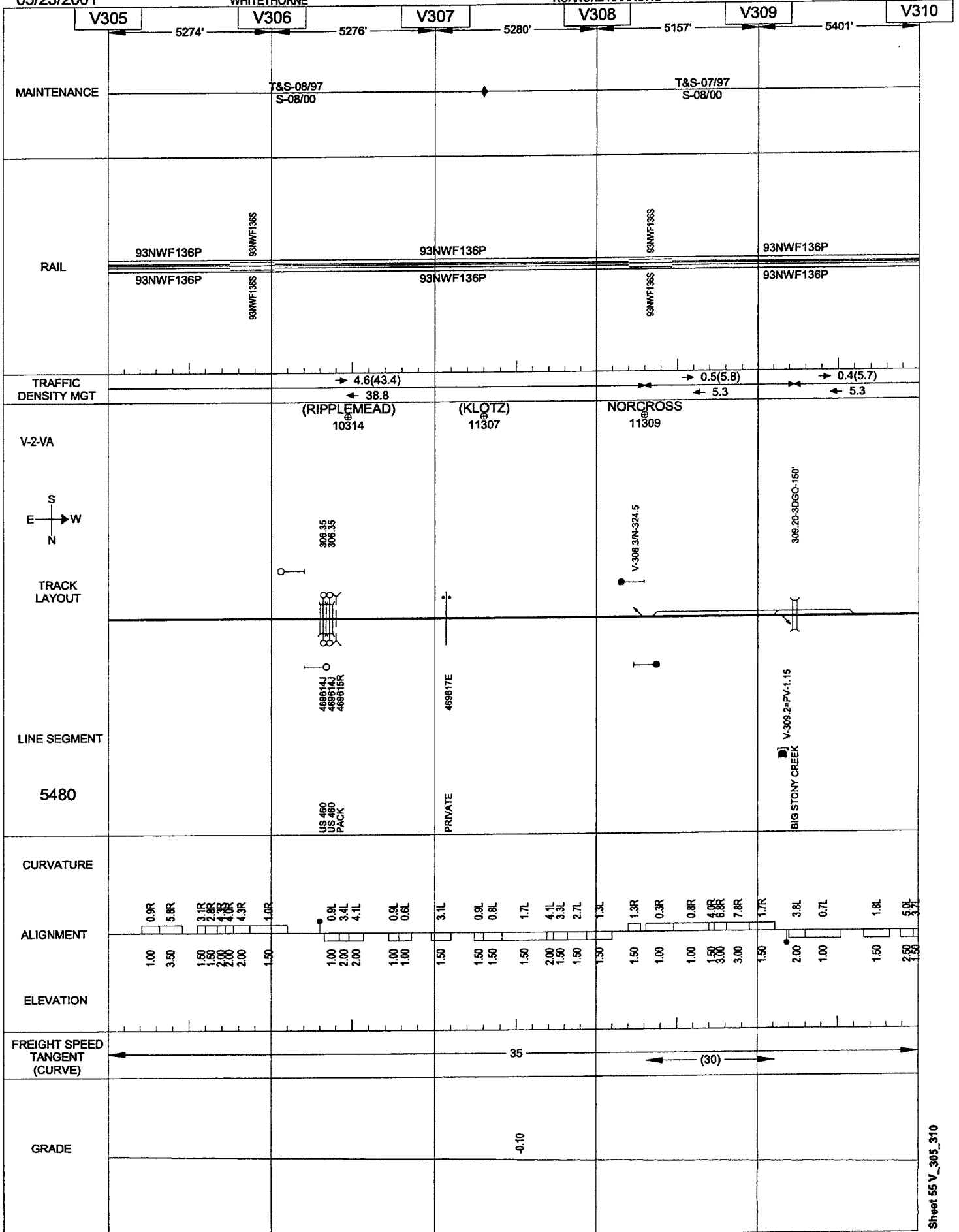


05/23/2001

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ROANOKE-NARROWS

VIRGINIA

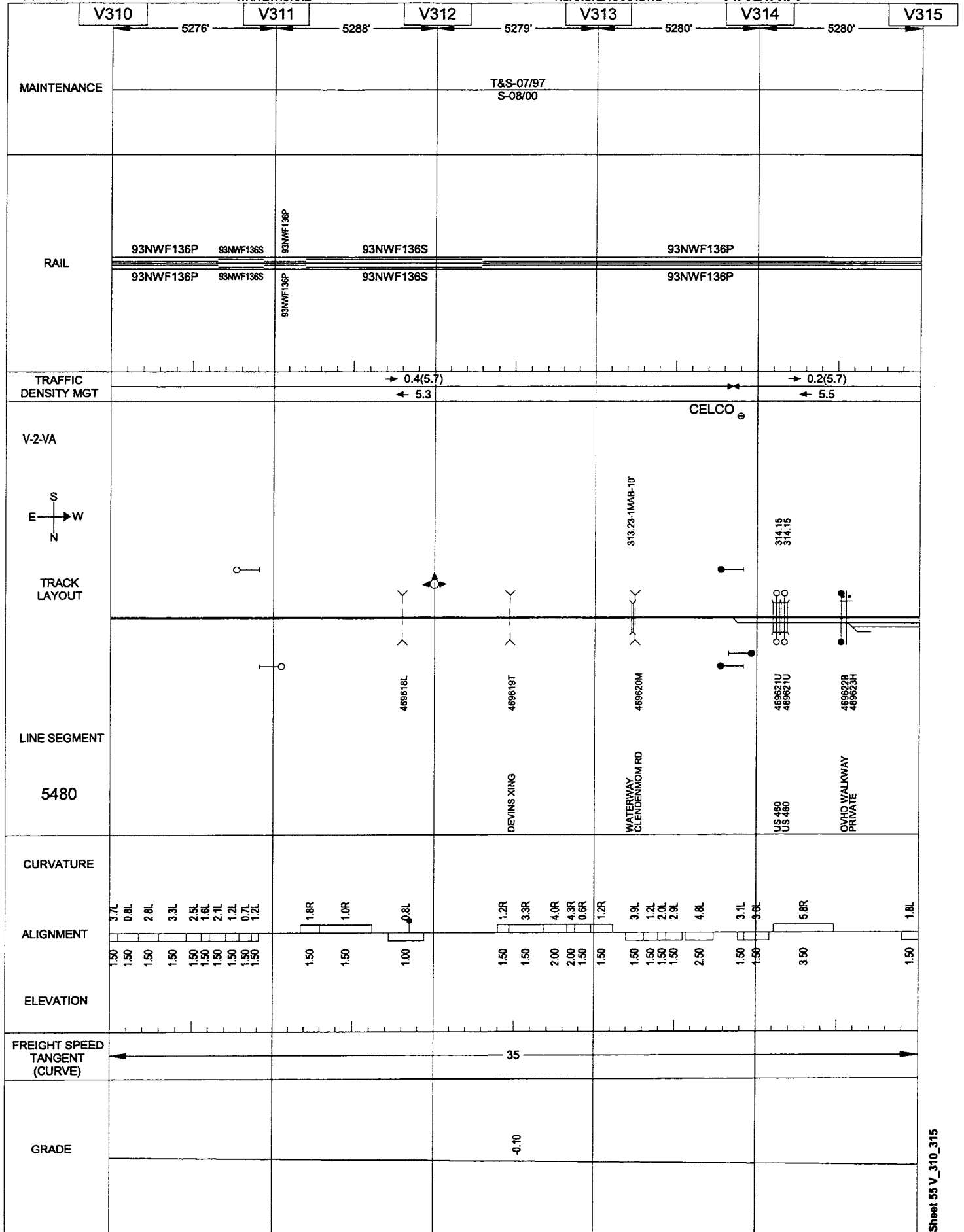


05/23/2001

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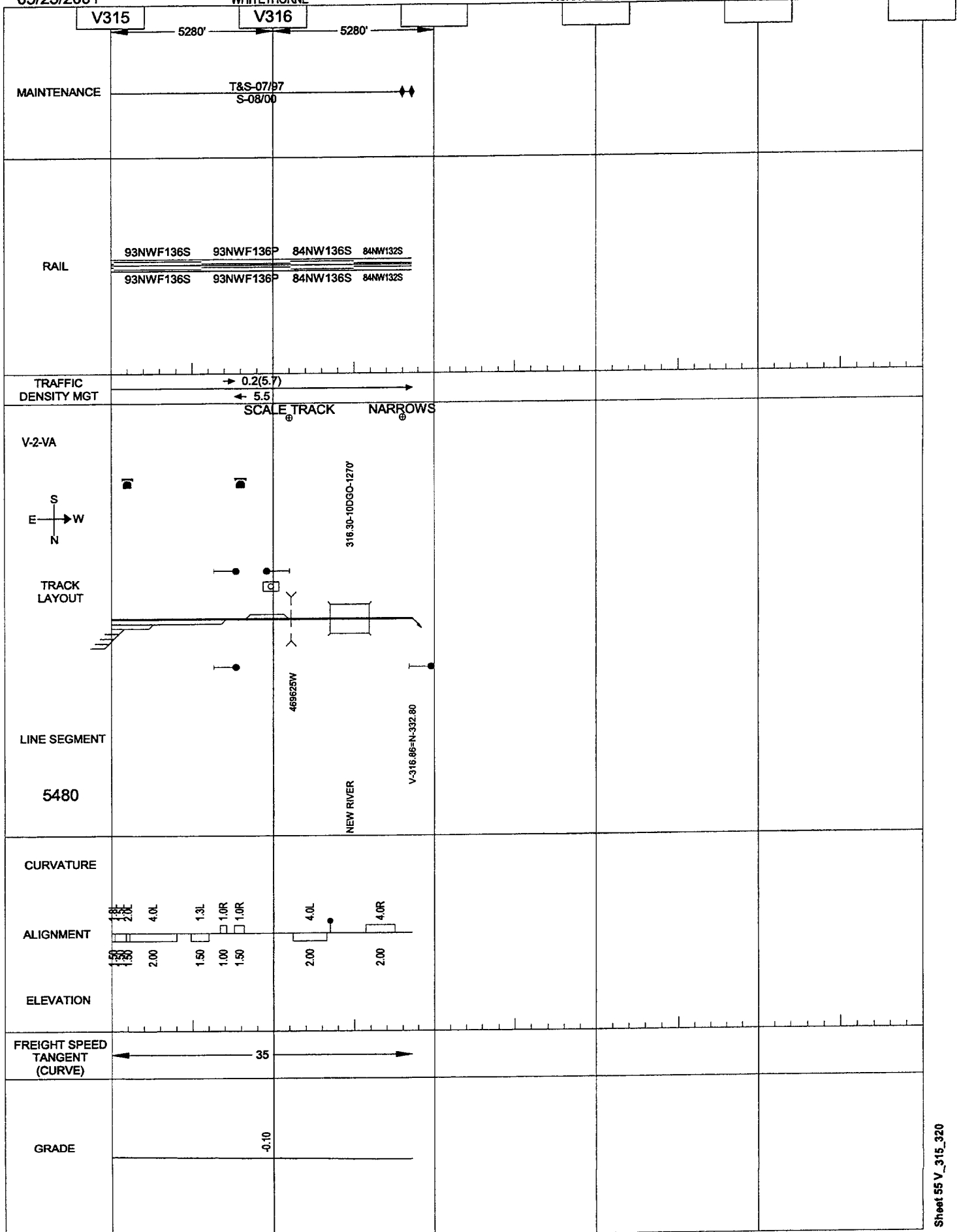


05/23/2001

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ROANOKE-NARROWS

VIRGINIA





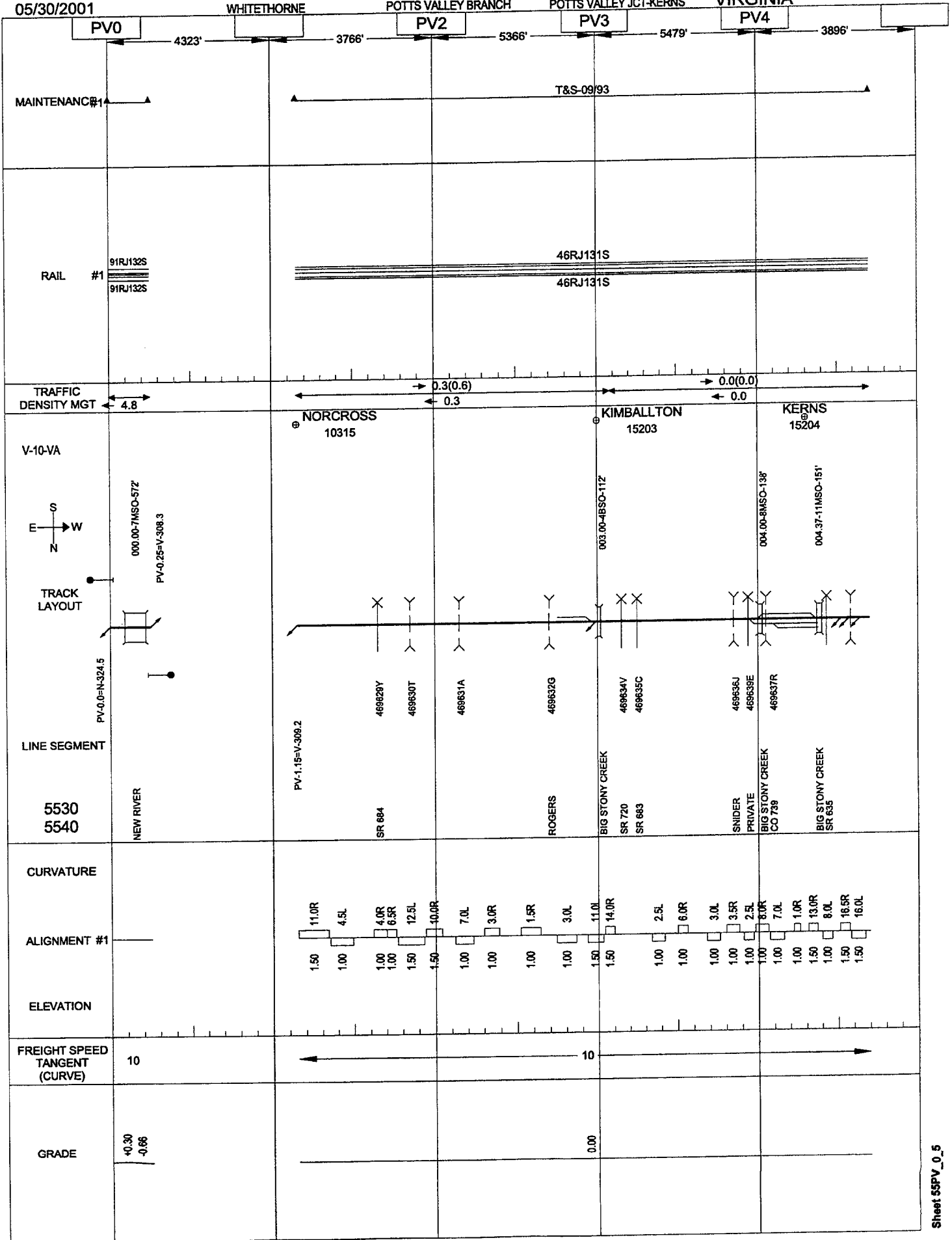
05/30/2001

WHITETHORNE

POTTS VALLEY BRANCH

POTTS VALLEY JCT-KERNS

VIRGINIA



Sheet 55NB_295_300

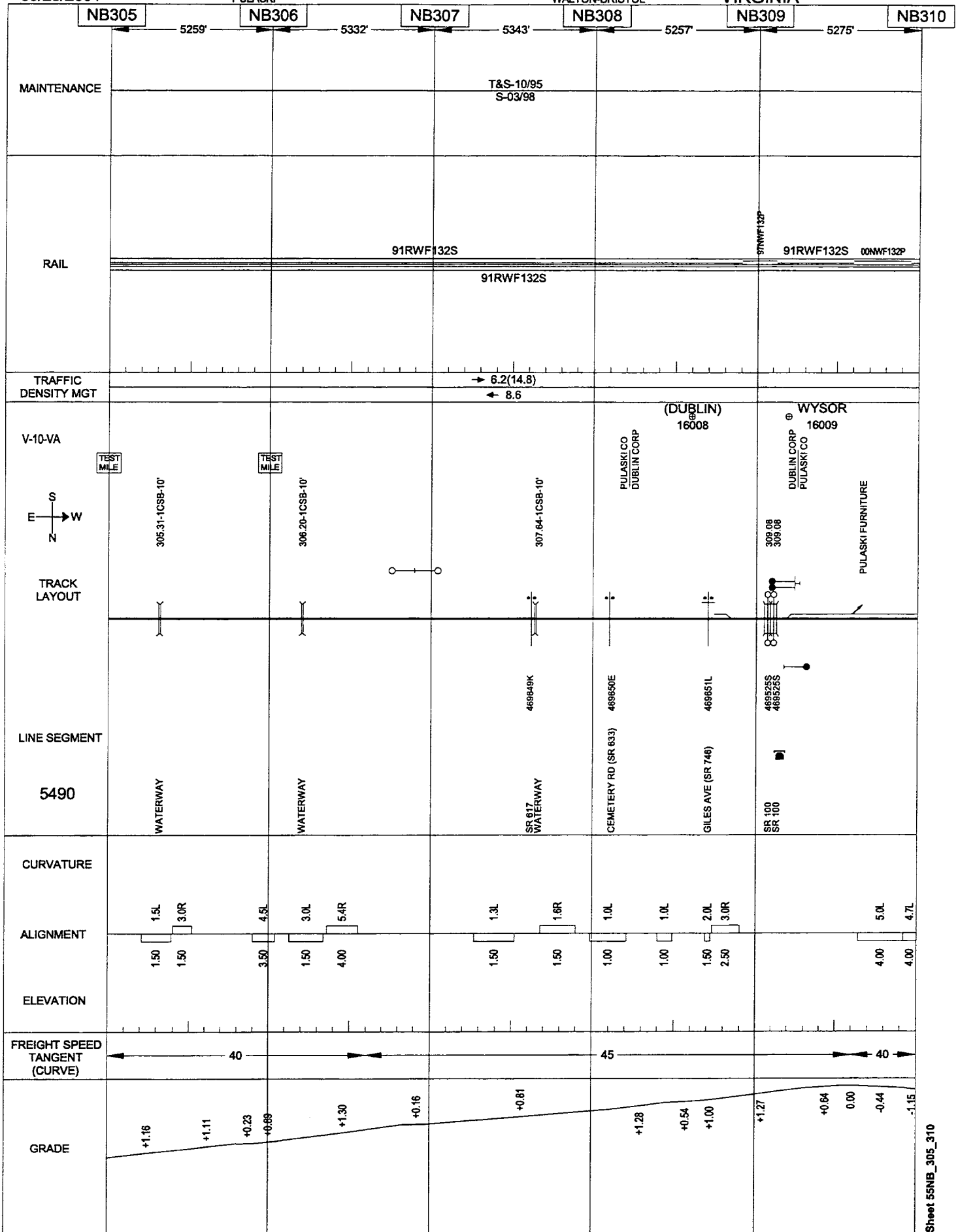
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05/23/2001

PULASKI

WALTON-BRISTOL

VIRGINIA

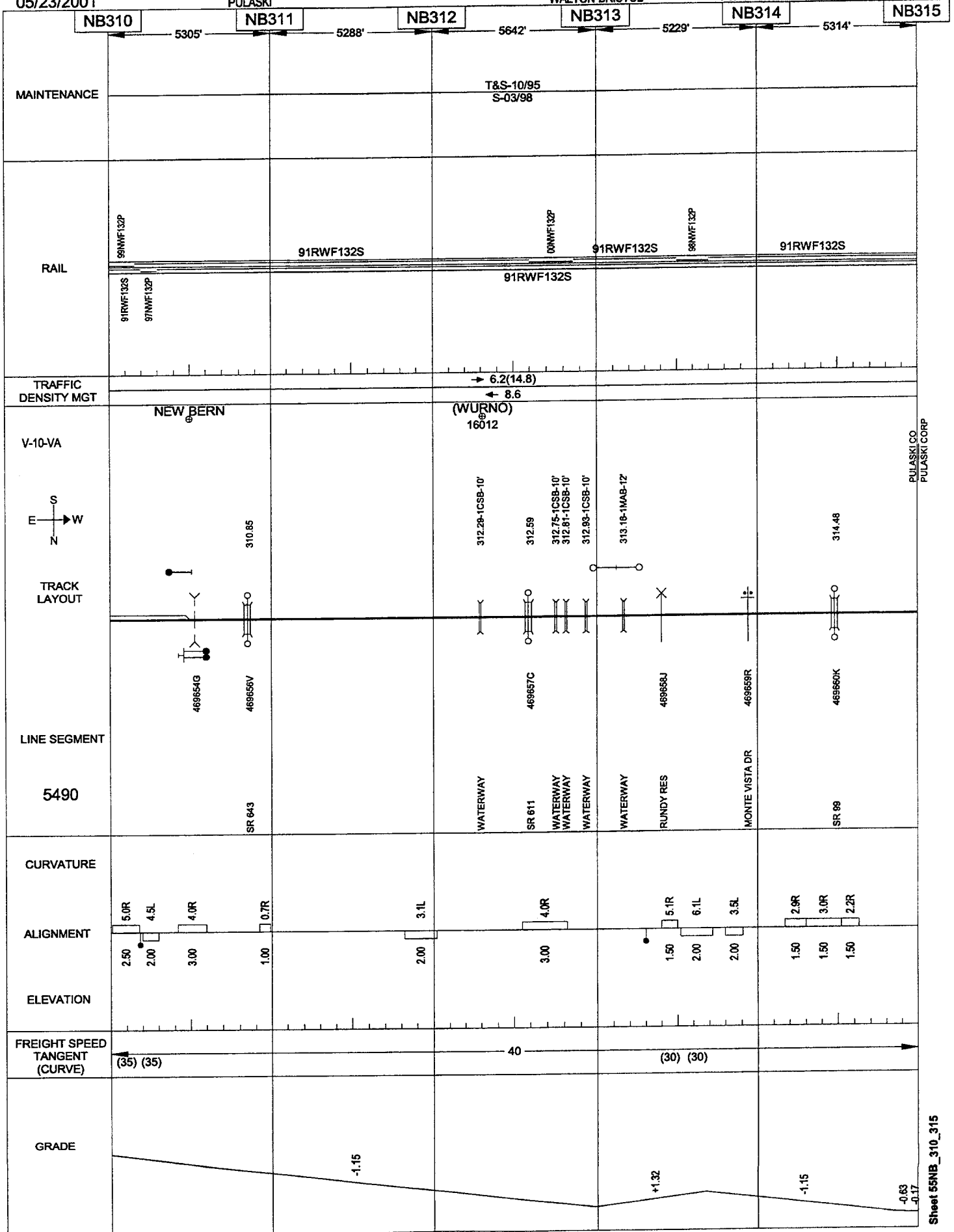


05/23/2001

PULASKI

WALTON-BRISTOL

VIRGINIA

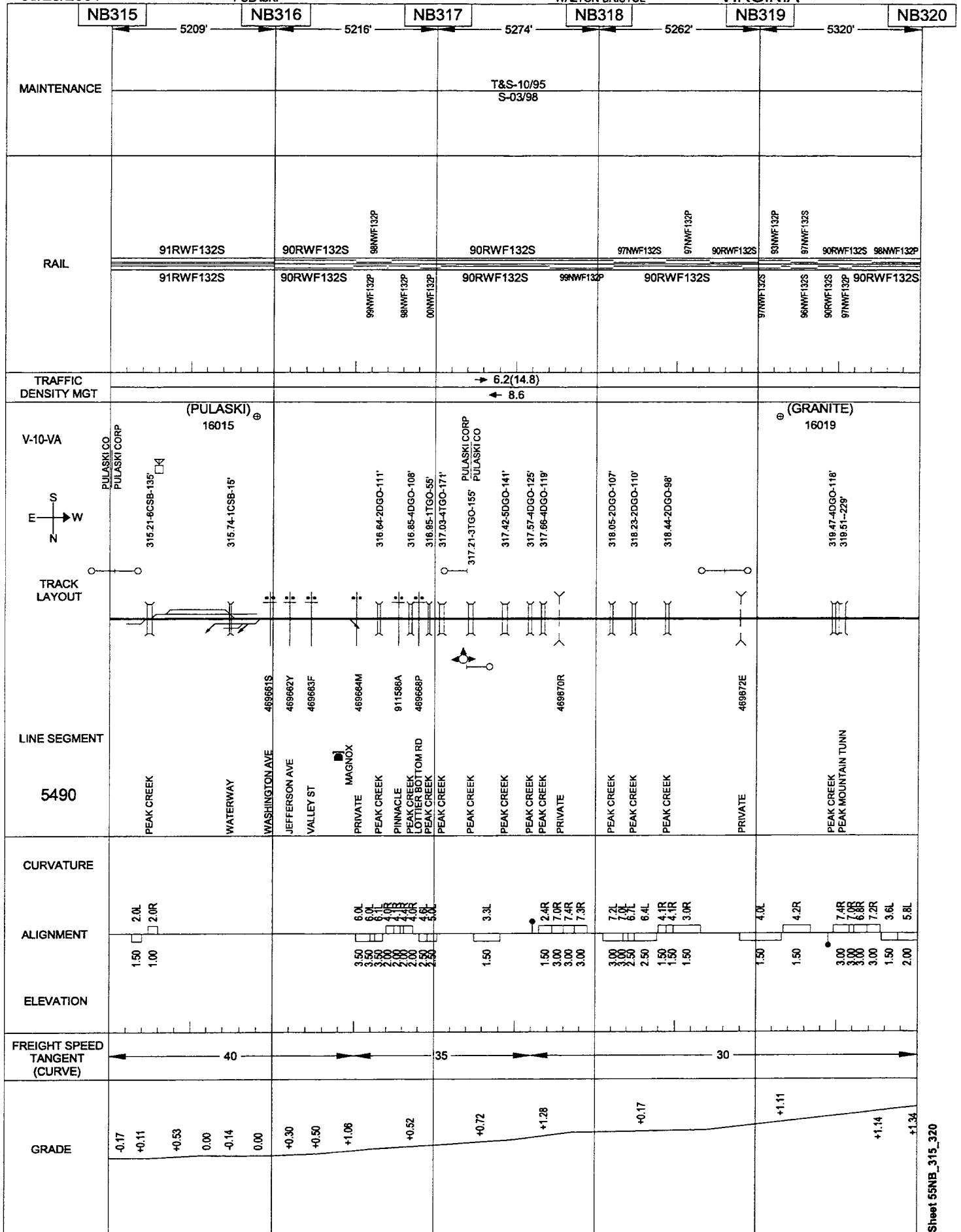


05/23/2001

PULASKI

WALTON-BRISTOL

VIRGINIA



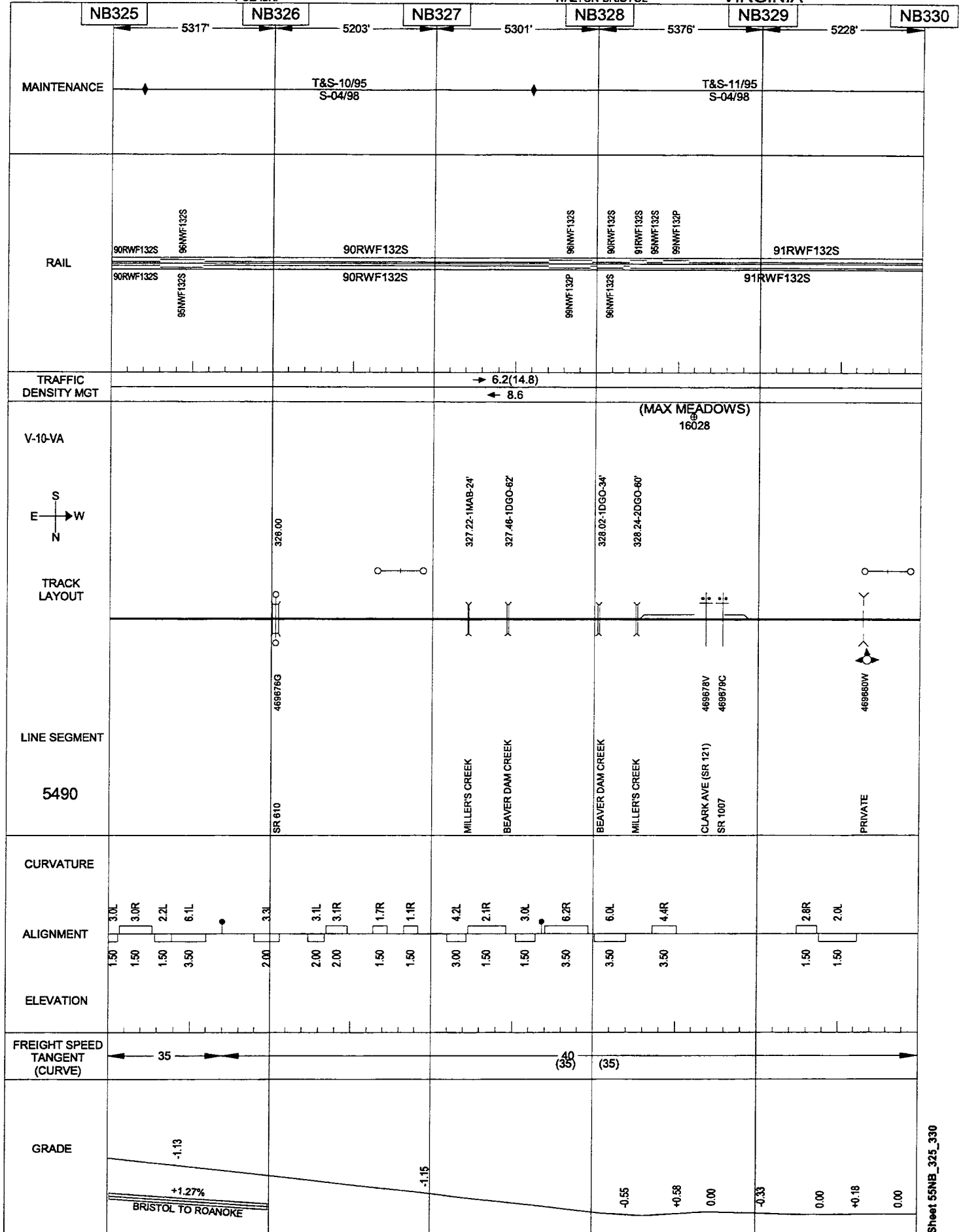
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05/23/2001

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VIRGINIA

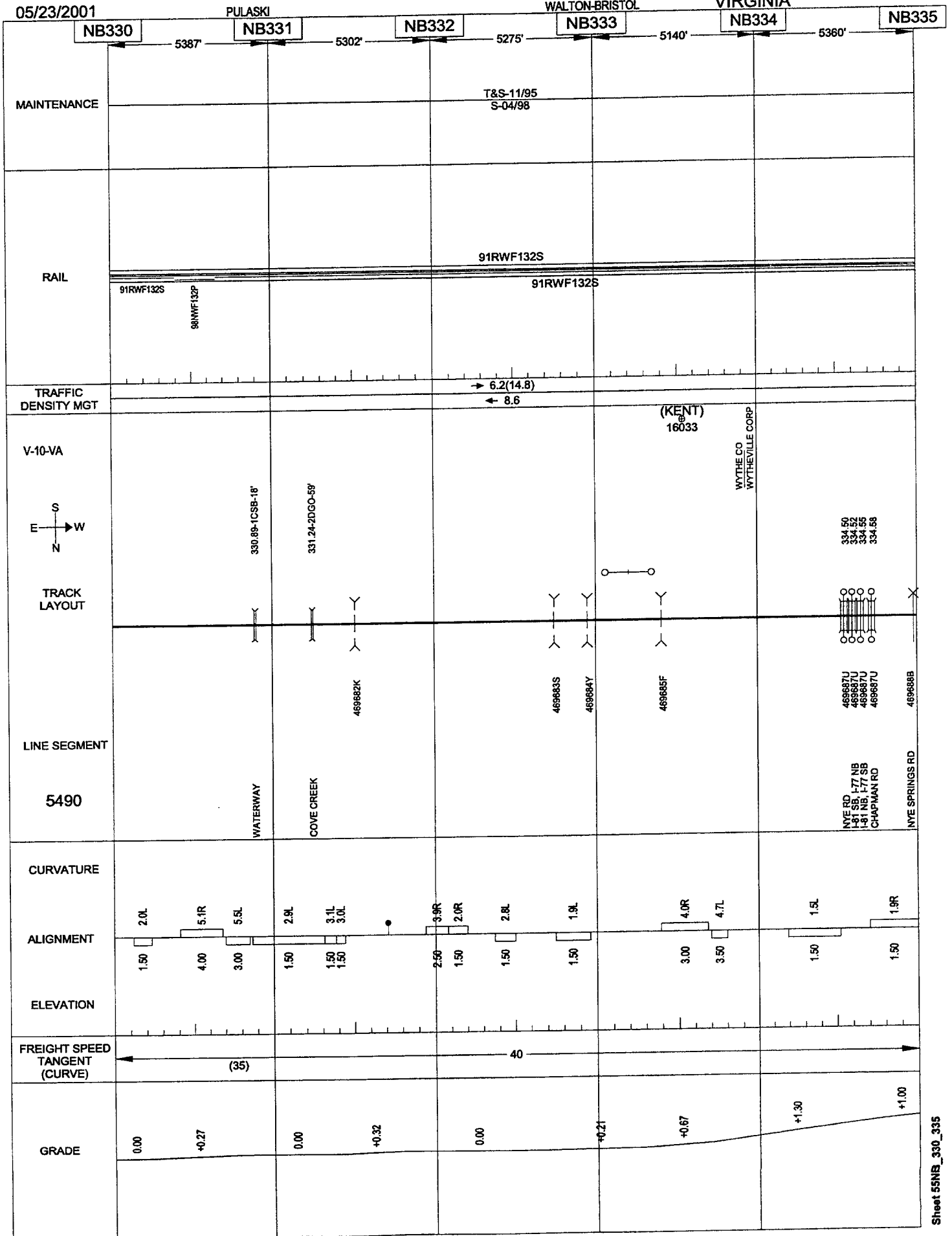


05/23/2001

PULASKI

WALTON-BRISTOL

VIRGINIA

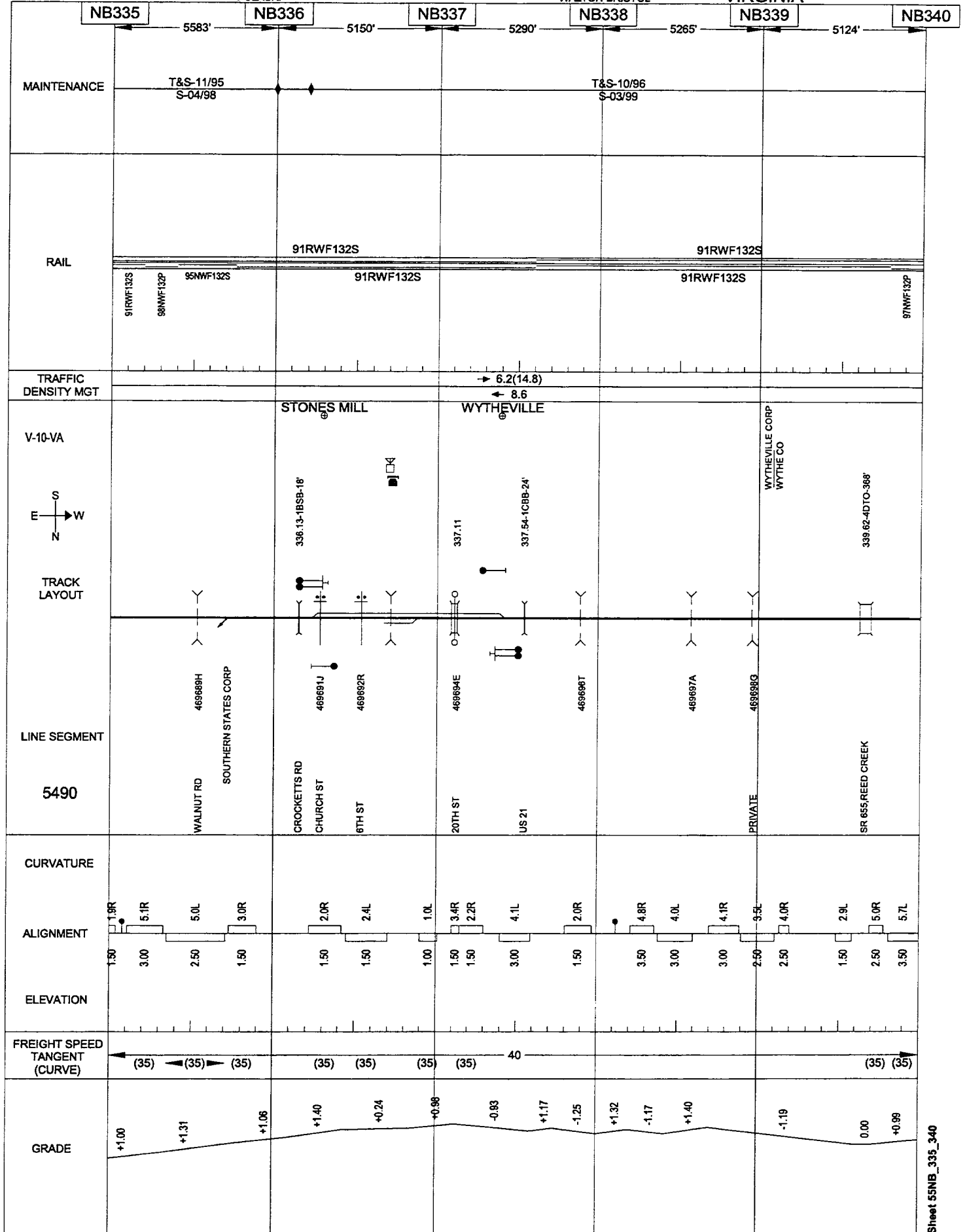


05/23/2001

PULASKI

WALTON-BRISTOL

VIRGINIA



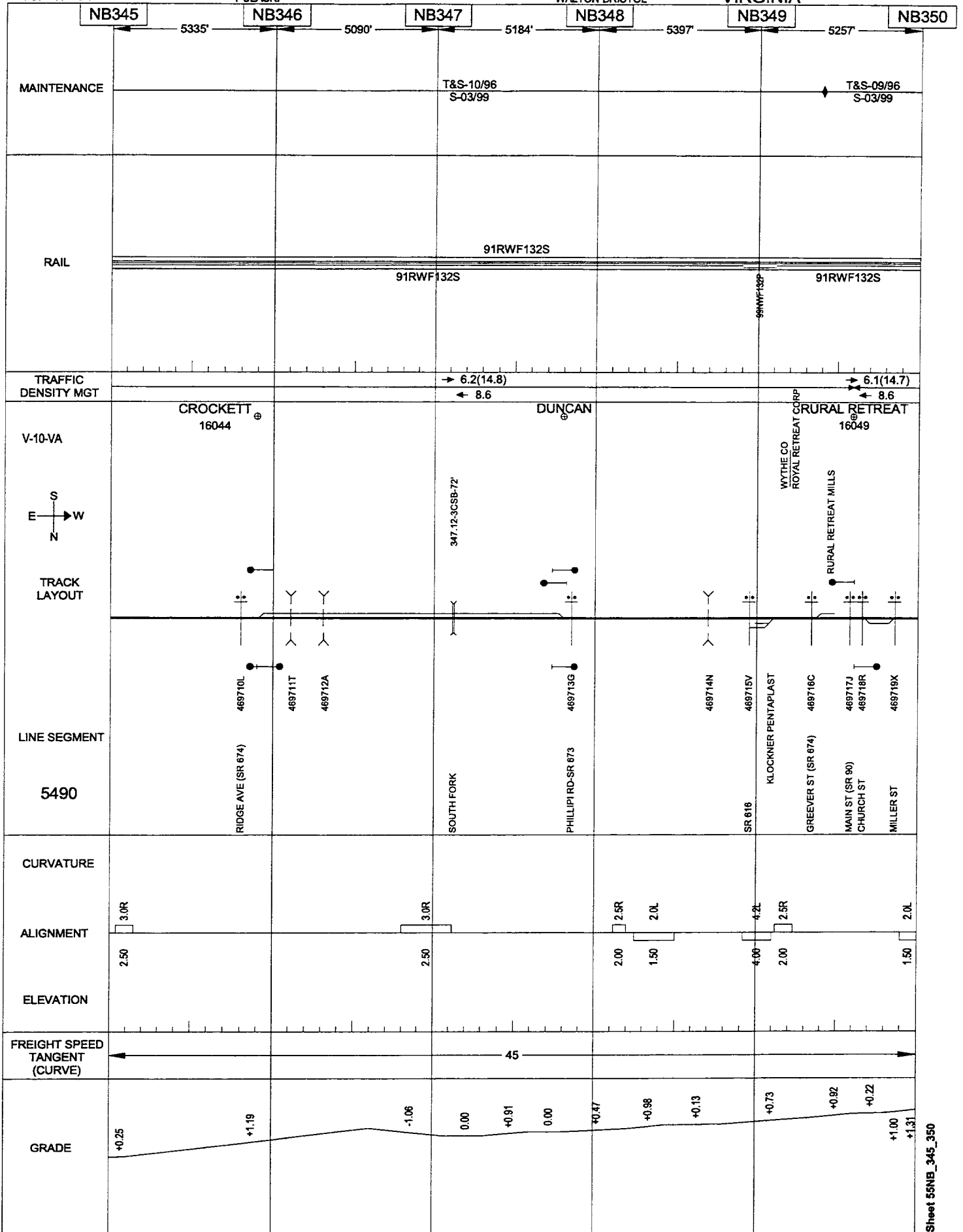
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05/23/2001

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VIRGINIA

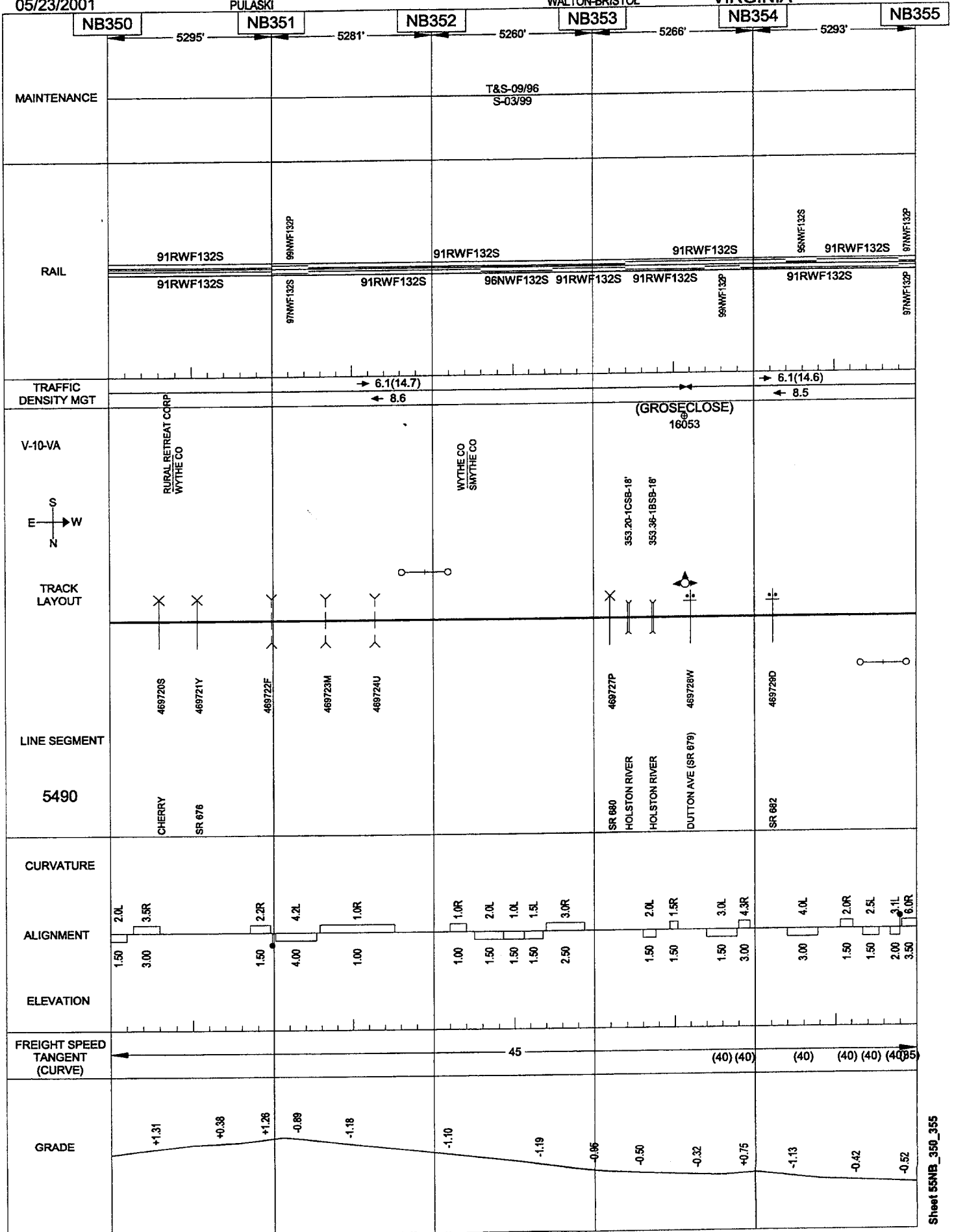


05/23/2001

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WALTON-BRISTOL

VIRGINIA

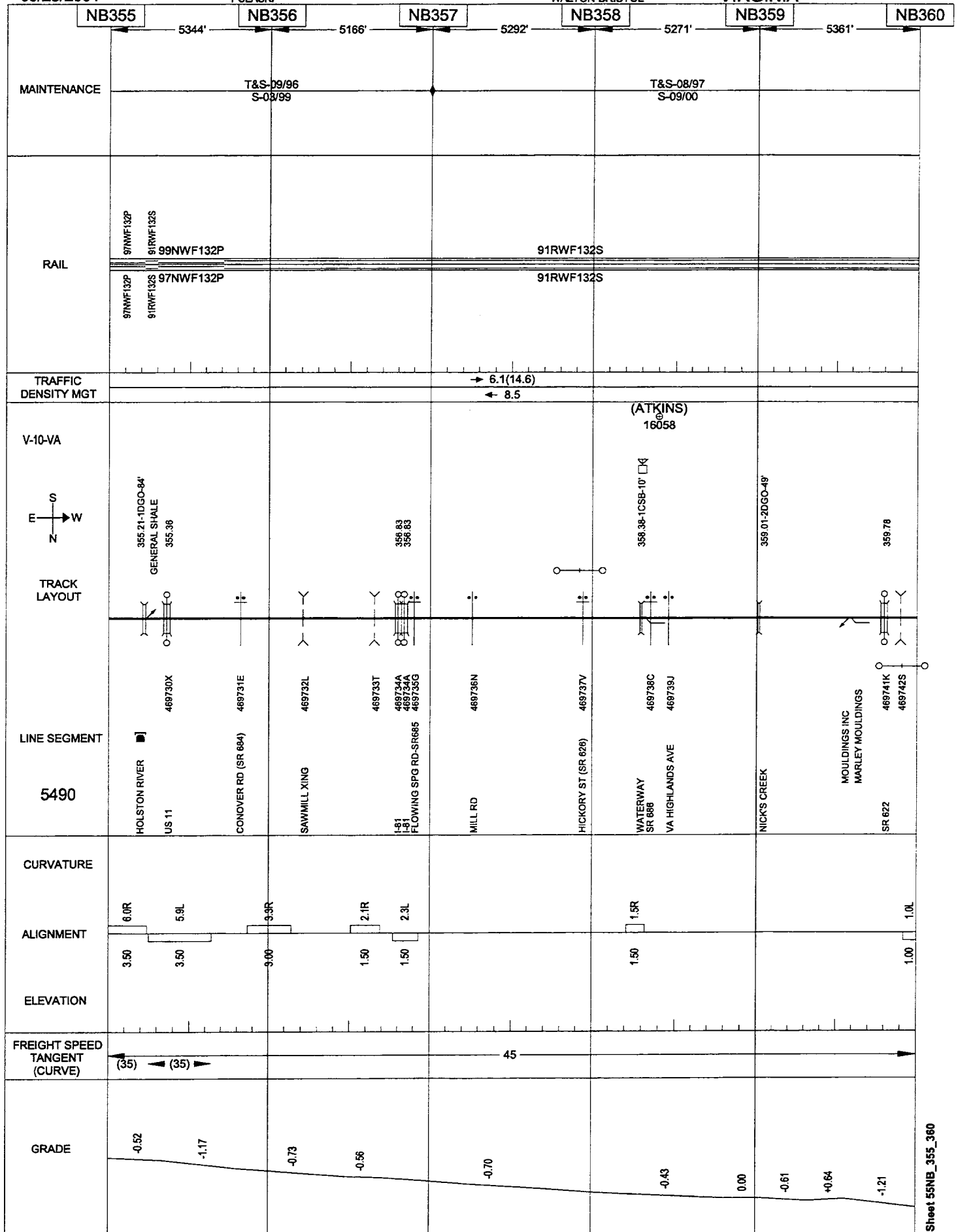


05/23/2001

PULASKI

WALTON-BRISTOL

VIRGINIA



Sheet 55NB_360_365

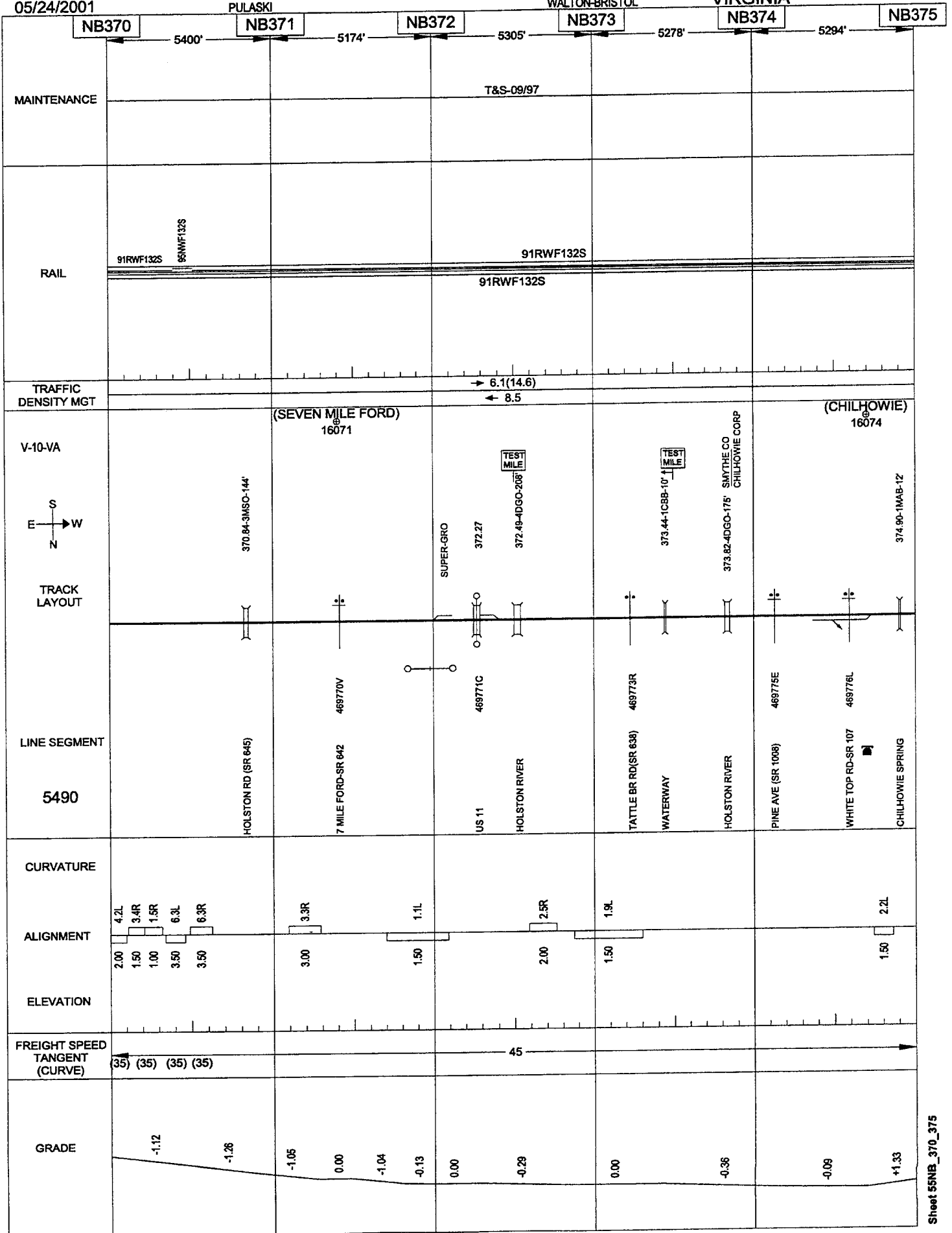


05/24/2001

PULASKI

WALTON-BRISTOL

VIRGINIA

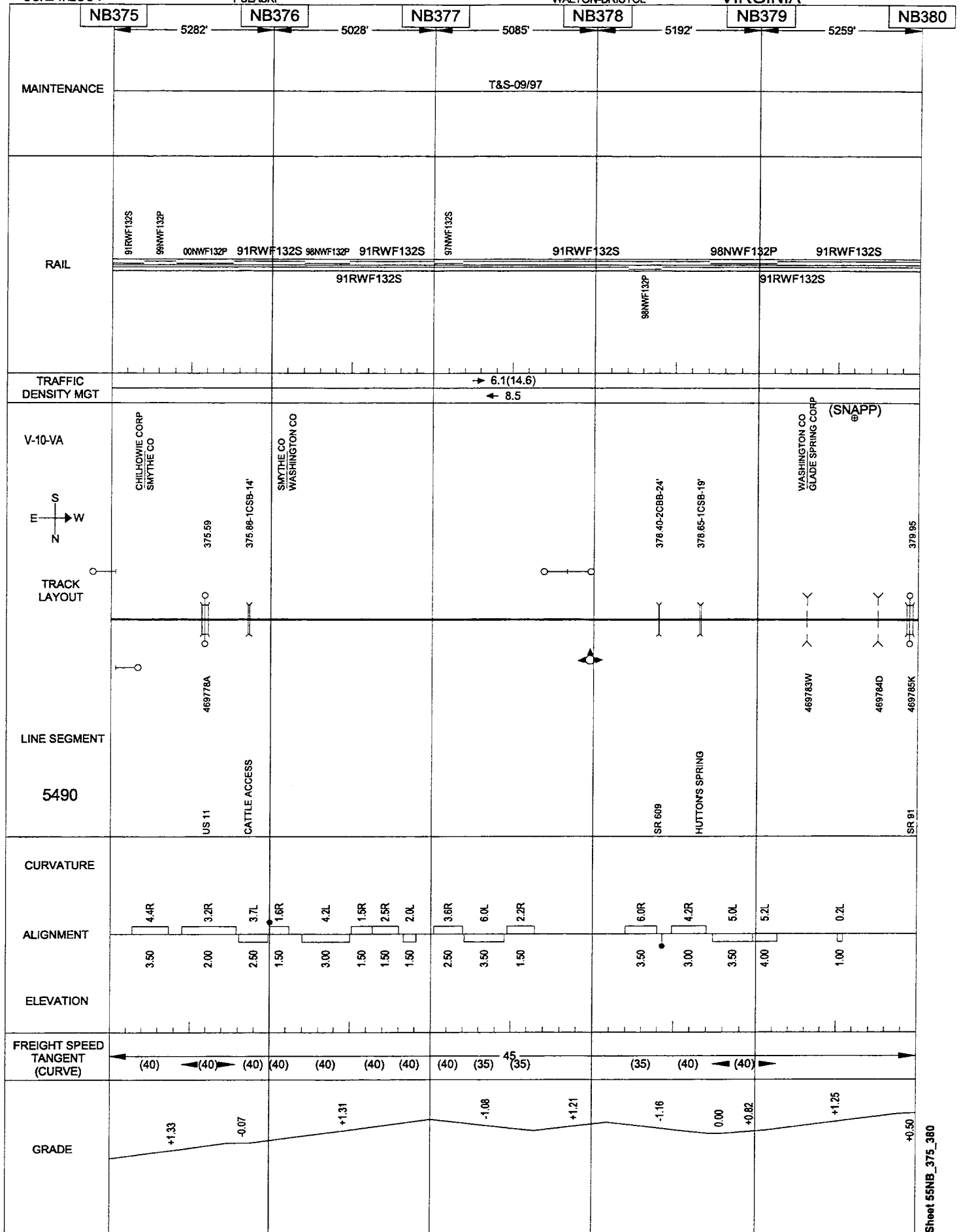


05/24/2001

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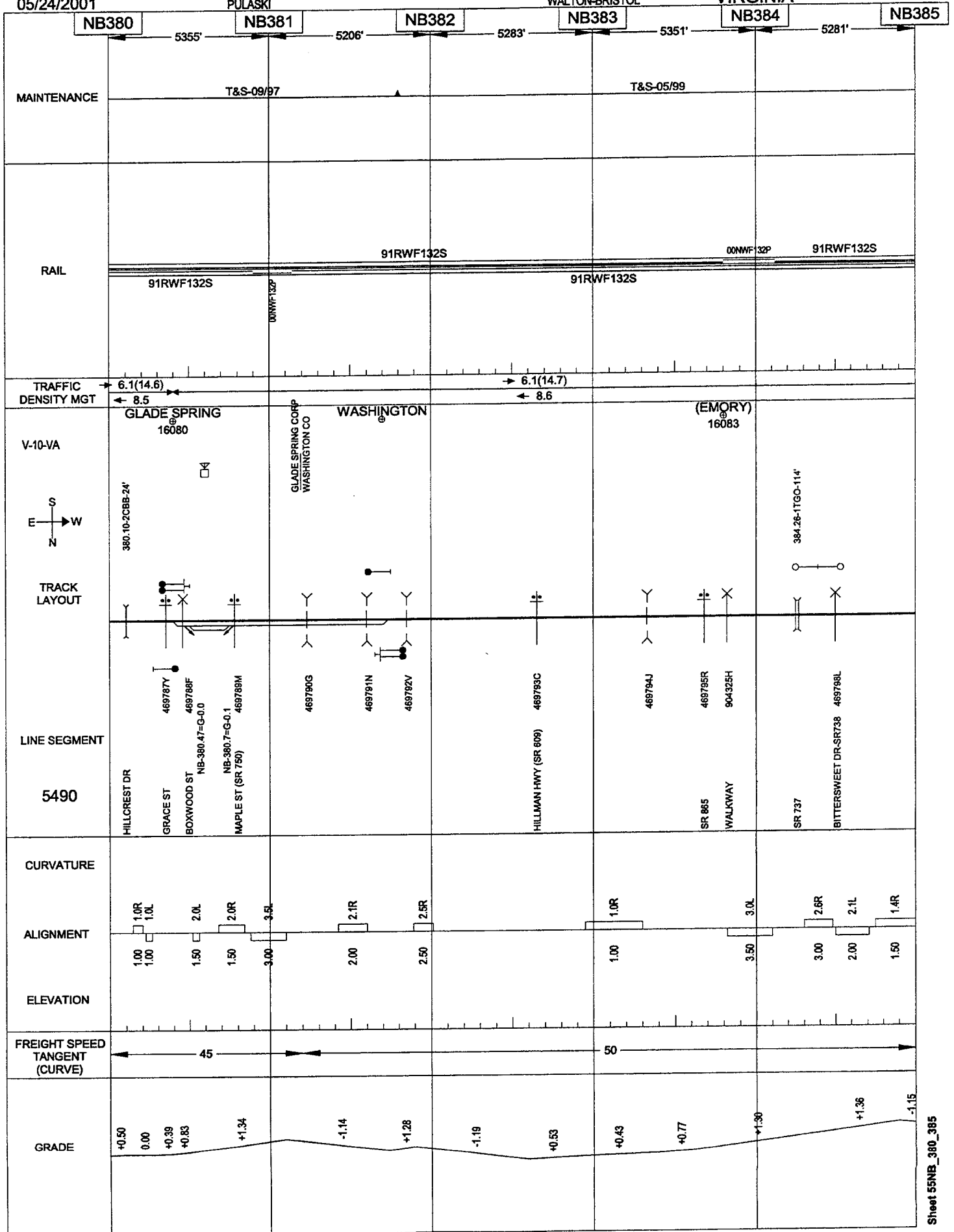


05/24/2001

PULASKI

WALTON-BRISTOL

VIRGINIA



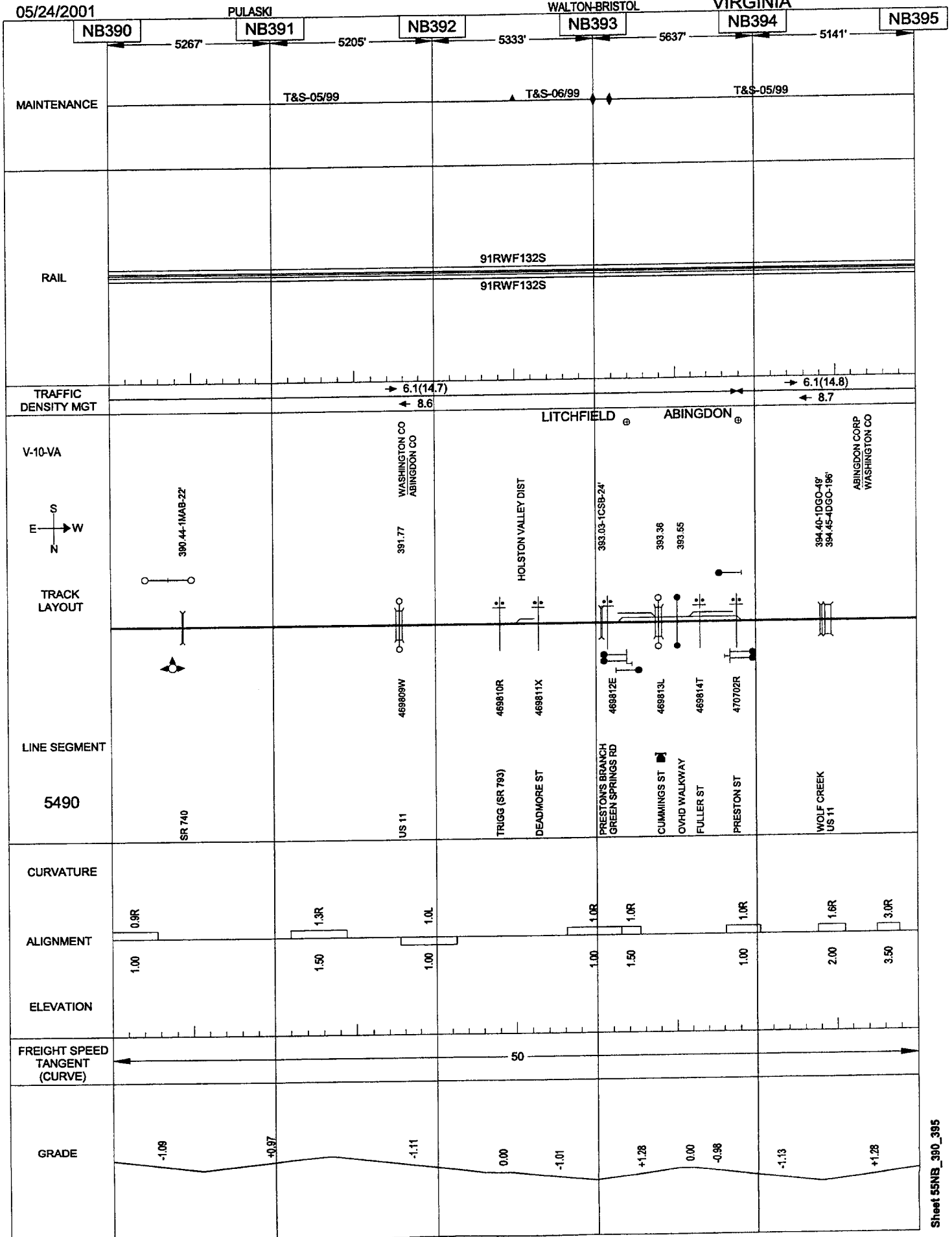
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05/24/2001

PULASKI

WALTON-BRISTOL

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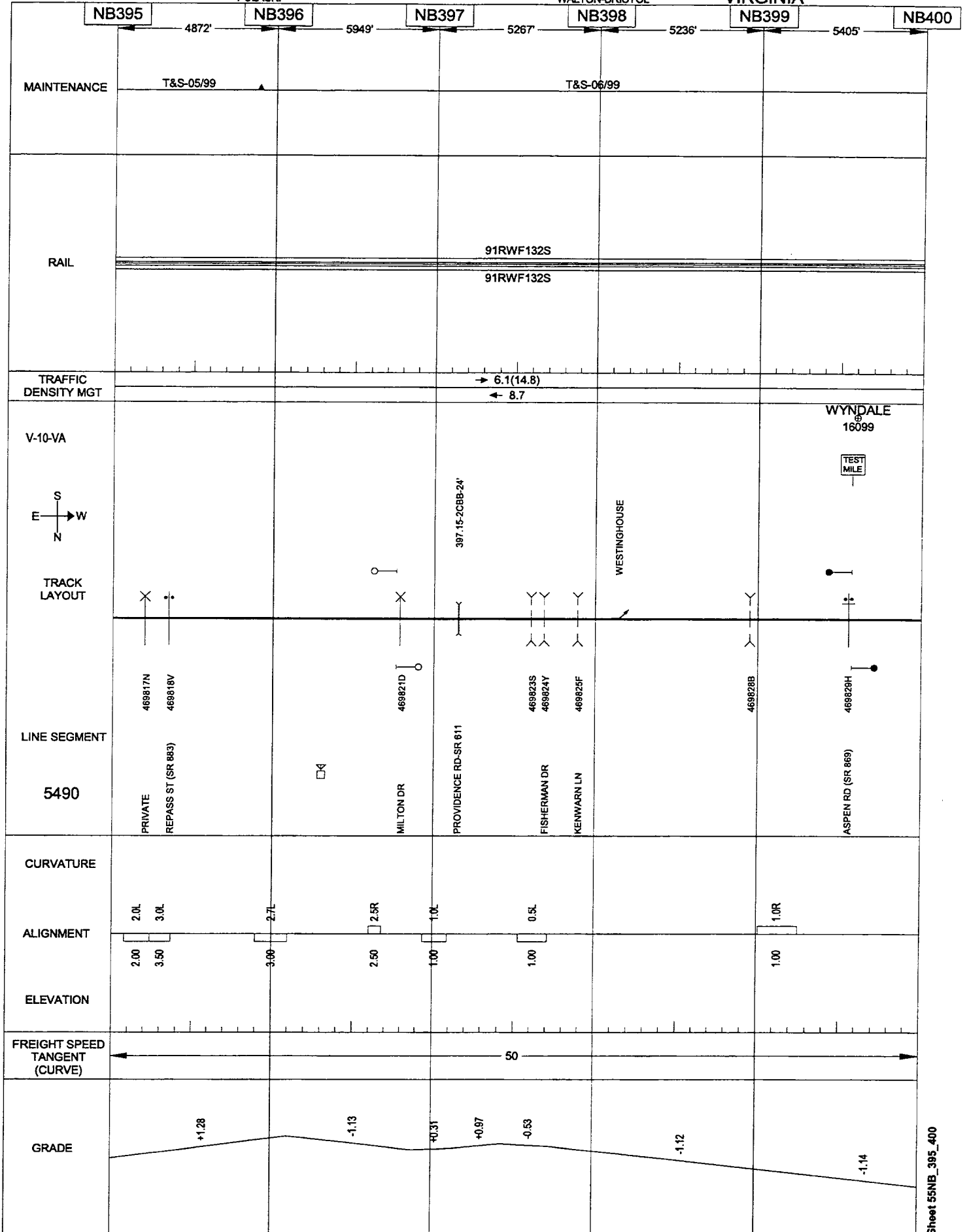


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WALTON-BRISTOL

VIRGINIA

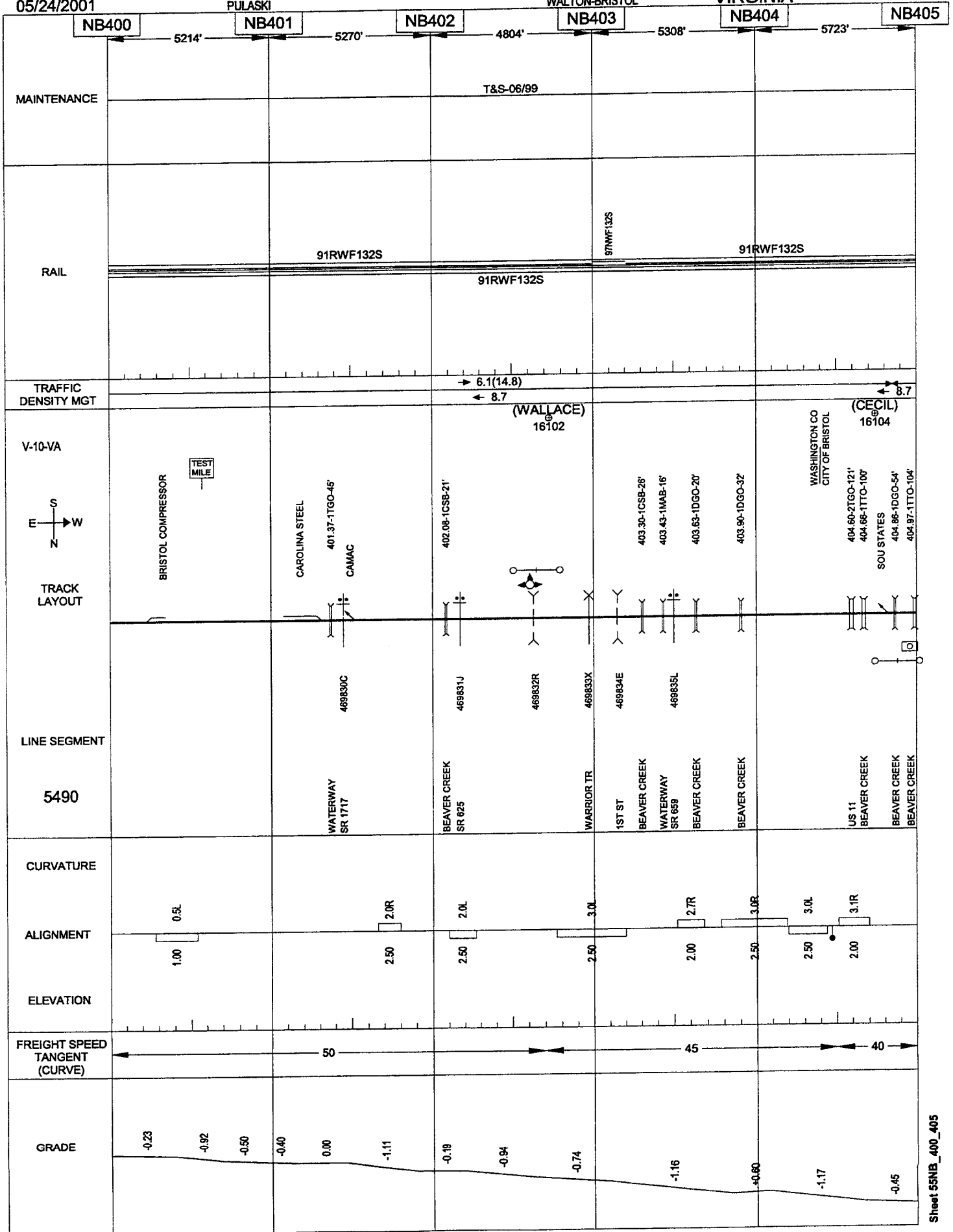


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WALTON-BRISTOL

VIRGINIA

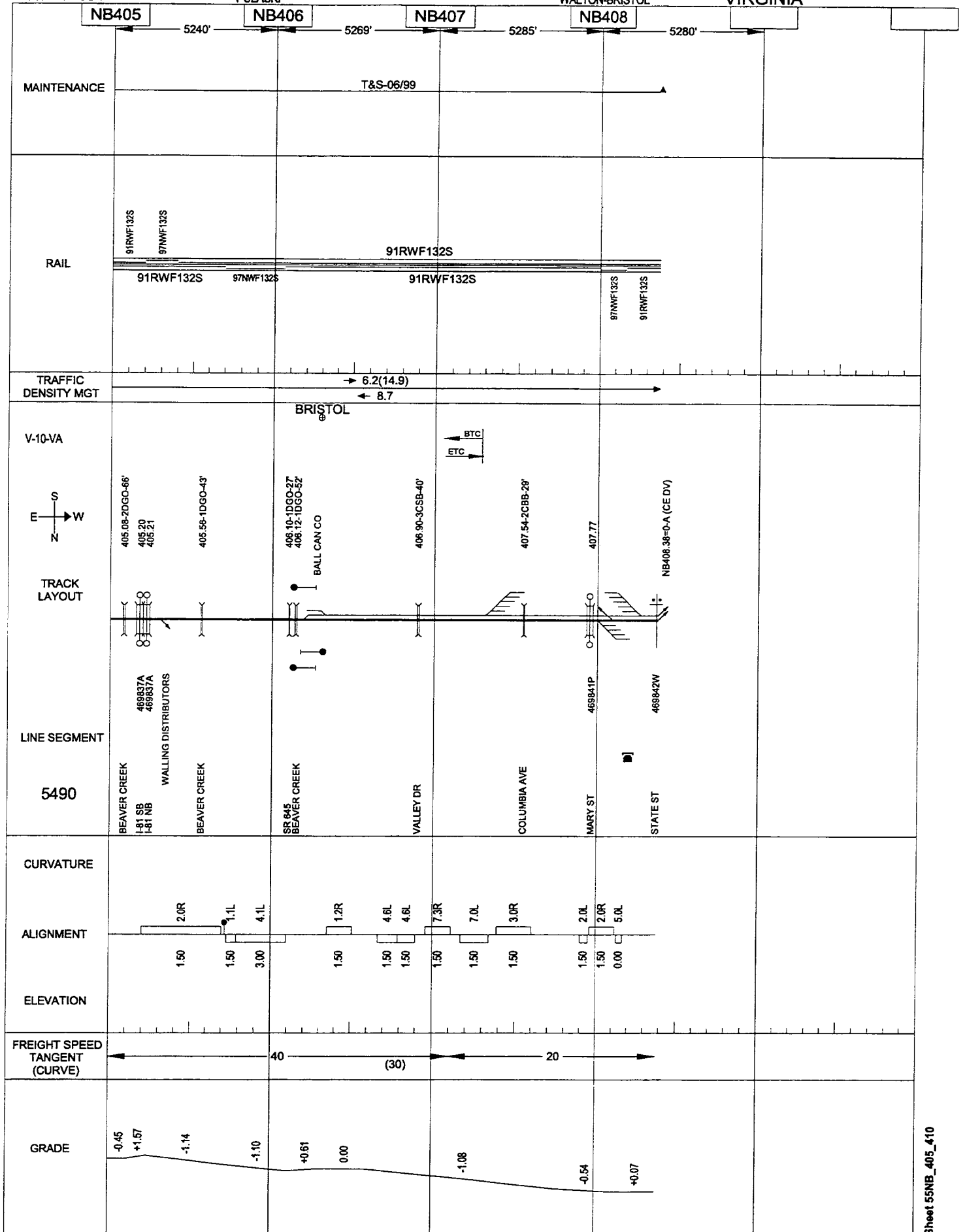


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WALTON-BRISTOL

VIRGINIA



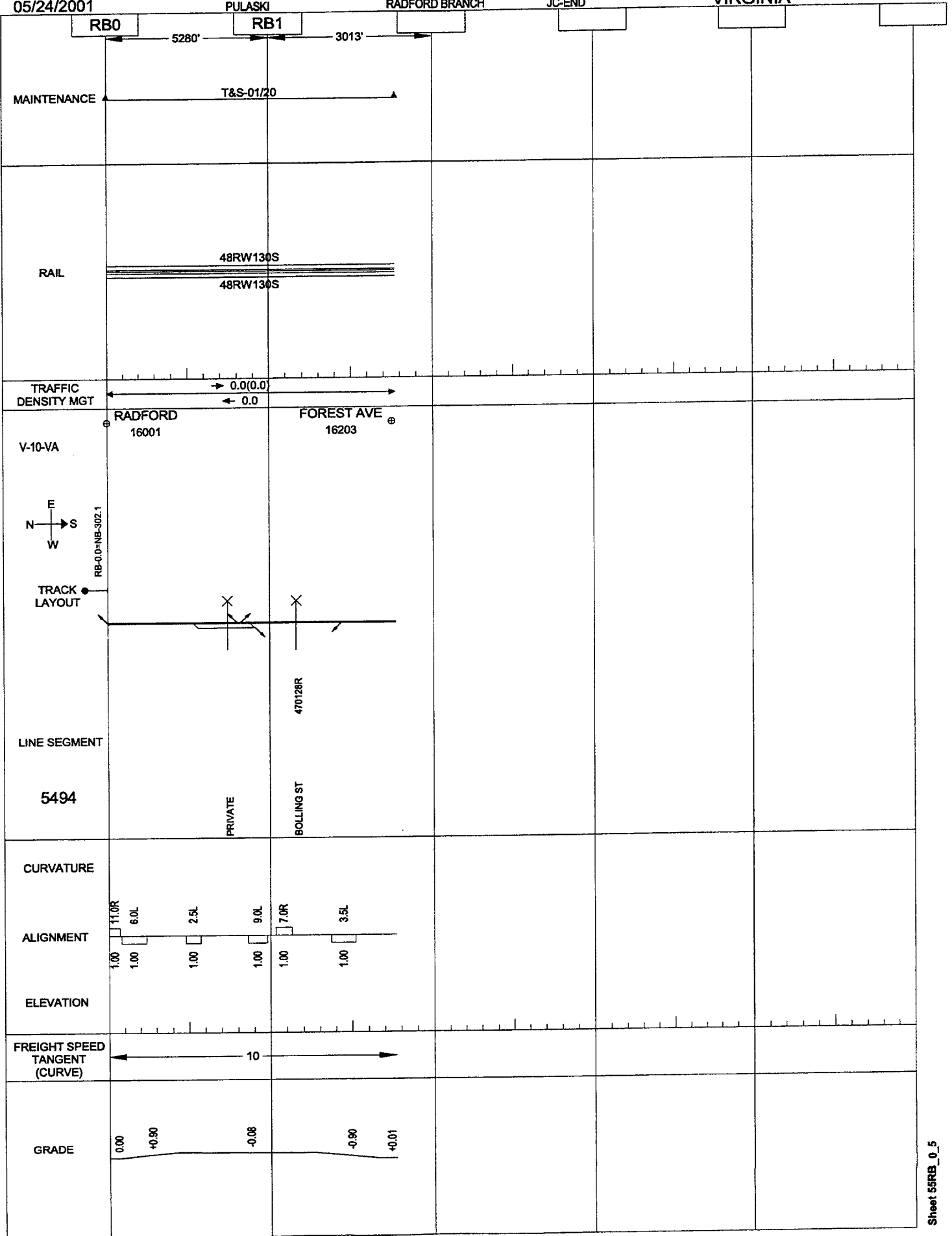
05/24/2001

PULASKI

RADFORD BRANCH

JC-END

VIRGINIA



05/24/2001

WILLIAMSPORT I.T.

HAGERSTOWN-WILLIAMSPORT VIRGINIA

HW74

HW75

1594'

5370'

MAINTENANCE

T&S-08/00

RAIL

88RW127S

42N130S

88RW127S

42N130S

TRAFFIC
DENSITY MGT

12.2(26.3)

14.1

0.0

CP TOWN

HAGERSTOWN

HAGER

E
N → S
W

TRACK
LAYOUT

BEGIN HARRISBURG DIV

073.91-1CA-60'

074.01-1CA-60'

074.18-1TCB-68'

HW-74.87/H-2.50

074.54-1CSB-20'

TO SHOMO YARD

074.87

LINE SEGMENT

2442
2443

CHURCH ST

FRANKLIN ST

ANTIETAM ST

CSX RR

BURHANS BLV

534898T

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+0.68

0.00

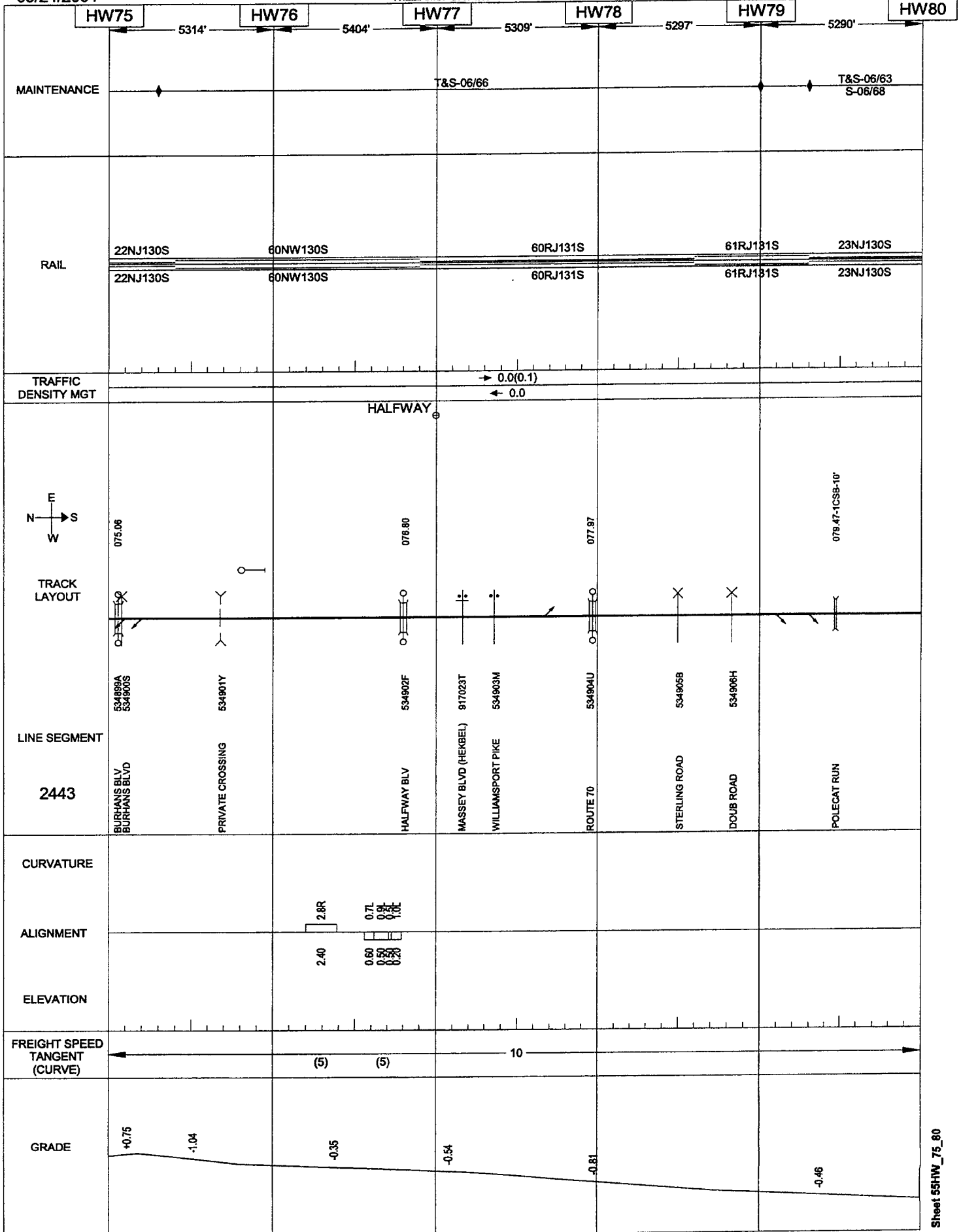
+0.75

05/24/2001

WILLIAMSPORT I.T.

HAGERSTOWN-WILLIAMSPORT

VIRGINIA





05/24/2001

WILLIAMSPORT I.T.

HAGERSTOWN-WILLIAMSPORT

VIRGINIA

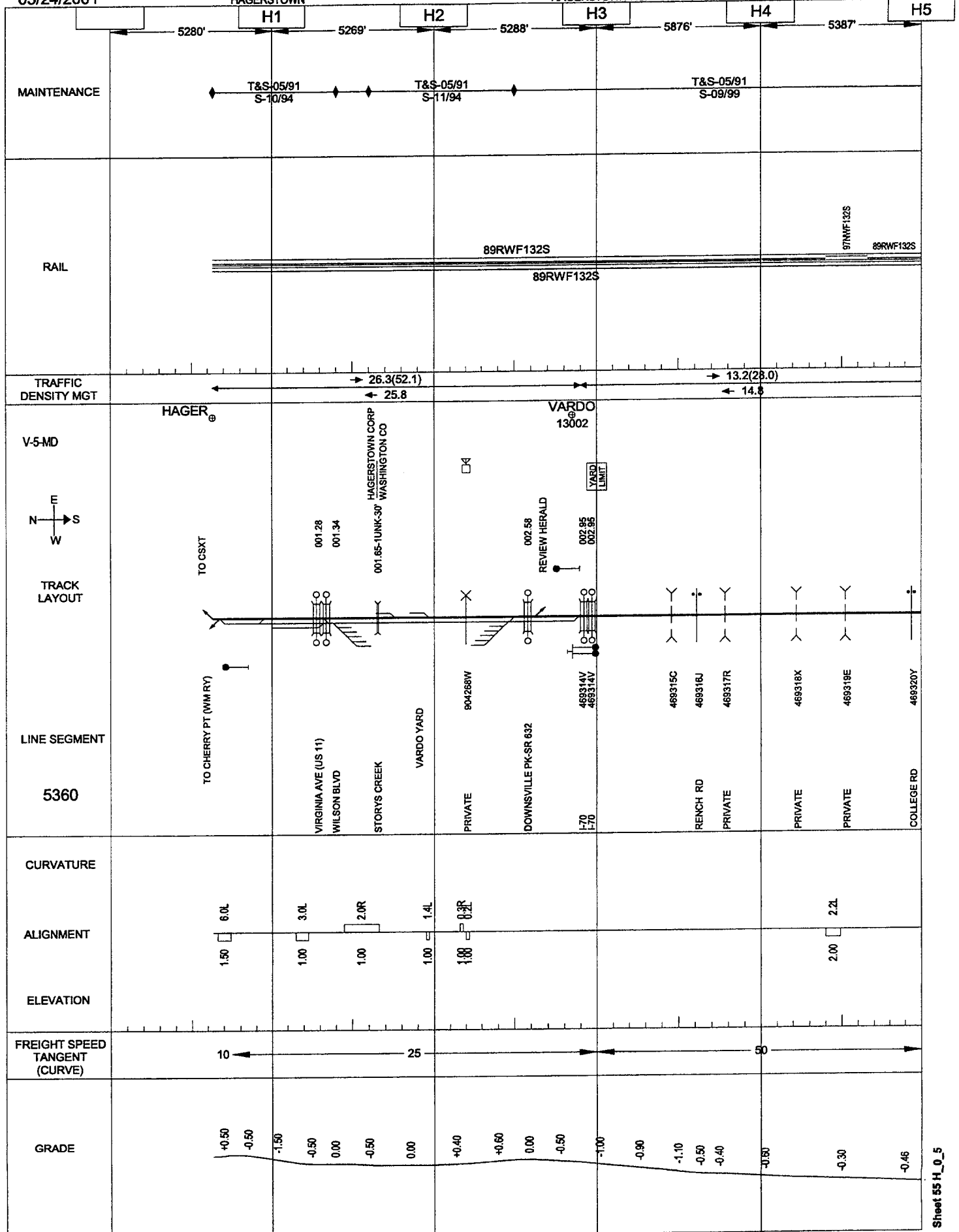
<p>MAINTENANCE</p>	<p>HW80</p> <p>5286'</p> <p>T&S-06/63 S-06/68</p>					
<p>RAIL</p>	<p>23NJ130S</p> <p>23NJ130S</p>					
<p>TRAFFIC DENSITY MGT</p>	<p>0.0(0.1)</p> <p>0.0</p>					
<p>TRACK LAYOUT</p> <p>LINE SEGMENT</p> <p>2443</p>						
<p>CURVATURE</p> <p>ALIGNMENT</p> <p>ELEVATION</p>						
<p>FREIGHT SPEED TANGENT (CURVE)</p>	<p>10</p>					
<p>GRADE</p>	<p>-0.46</p>					

05/24/2001

HAGERSTOWN

HAGERSTOWN-ROANOKE

VIRGINIA

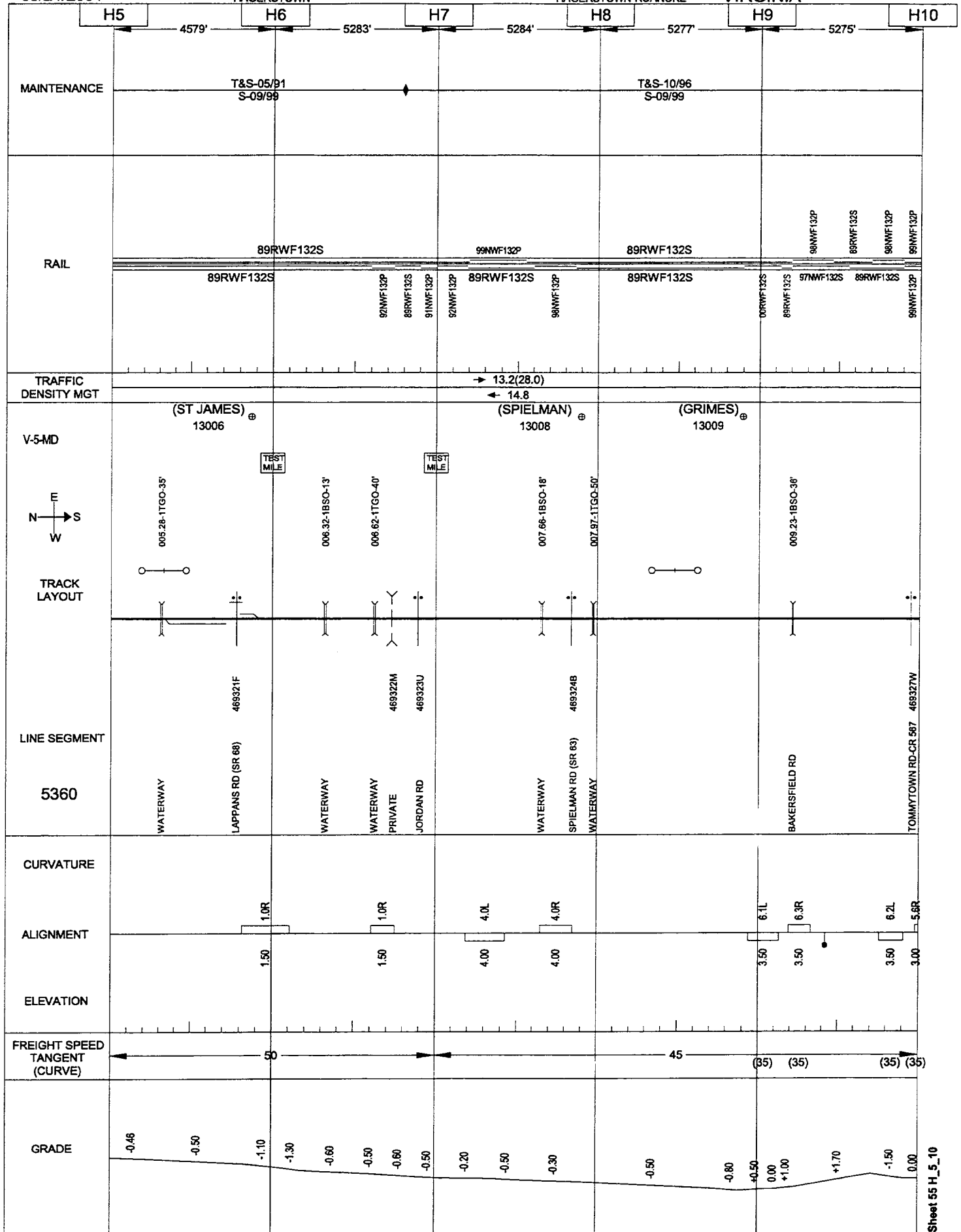


05/24/2001

HAGERSTOWN

HAGERSTOWN-ROANOKE

VIRGINIA

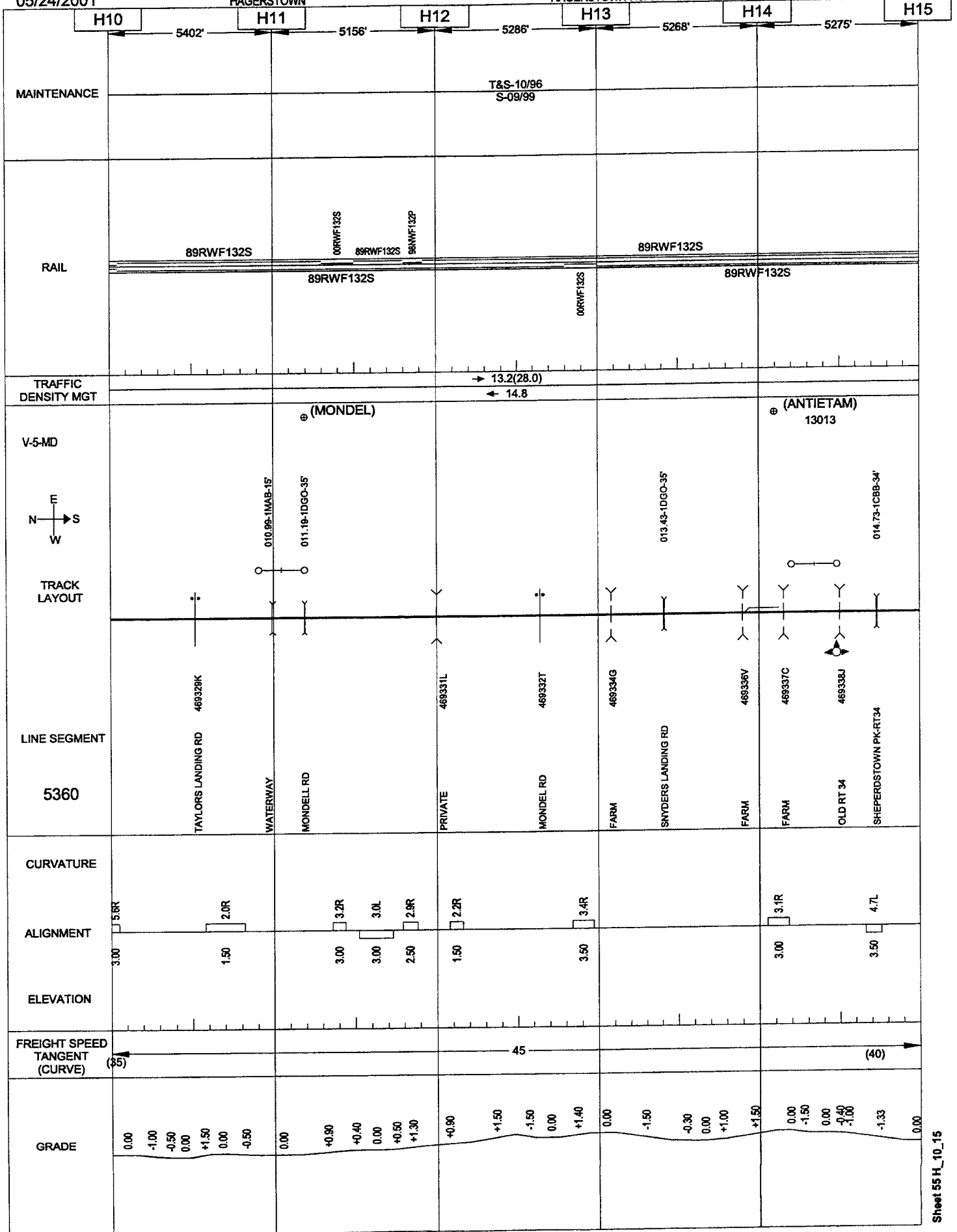


05/24/2001

HAGERSTOWN

HAGERSTOWN-ROANOKE

VIRGINIA

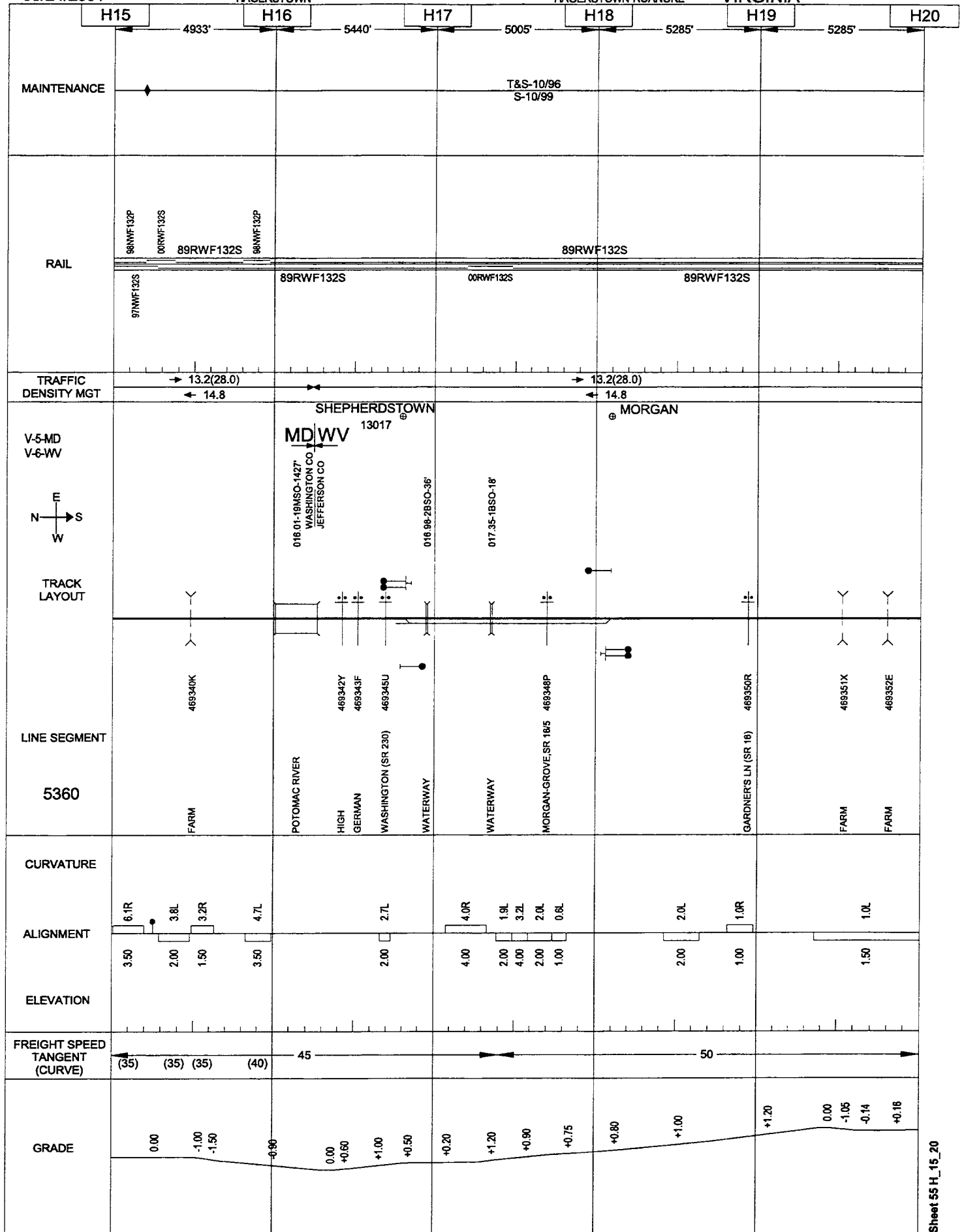


05/24/2001

HAGERSTOWN

HAGERSTOWN-ROANOKE

VIRGINIA

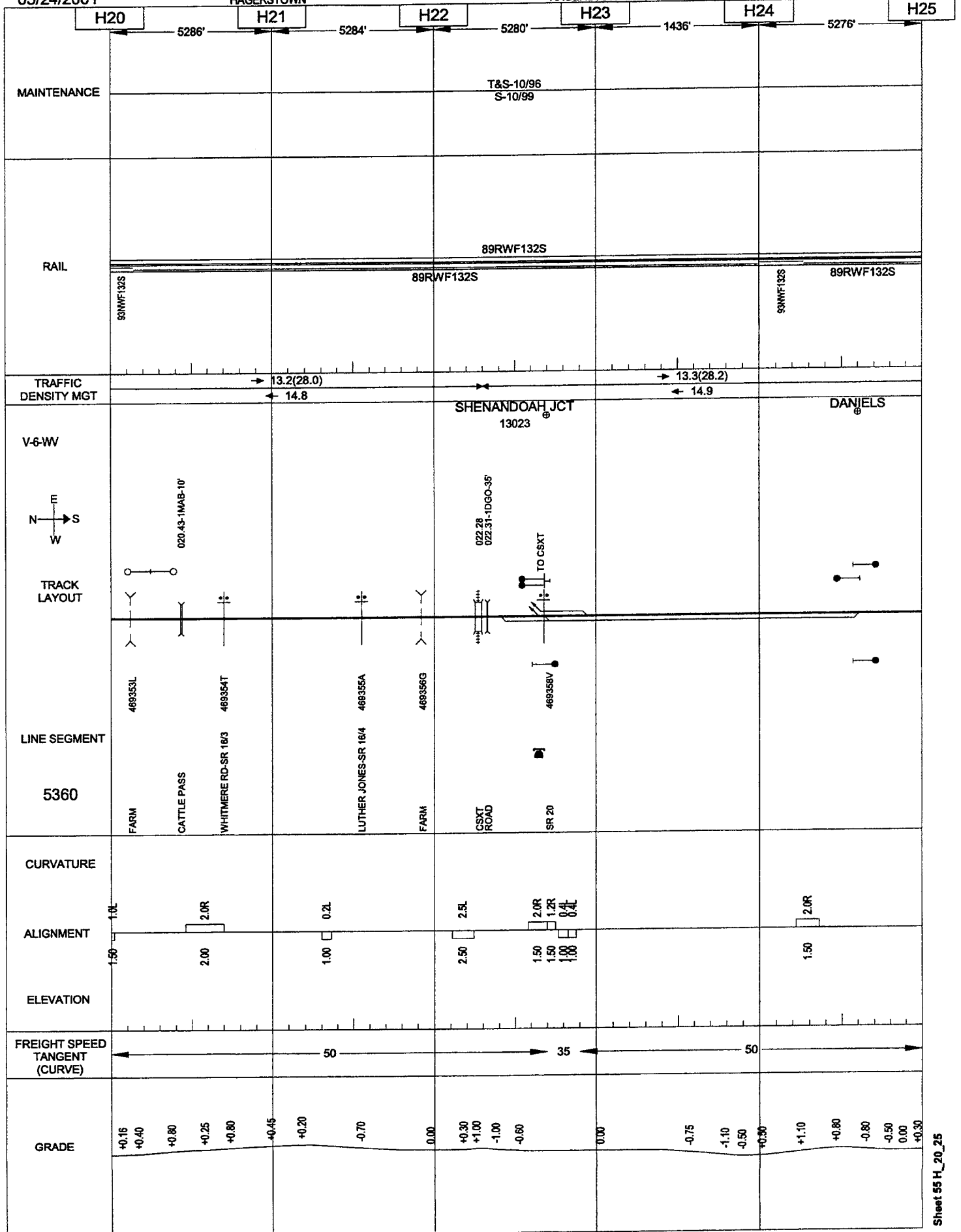


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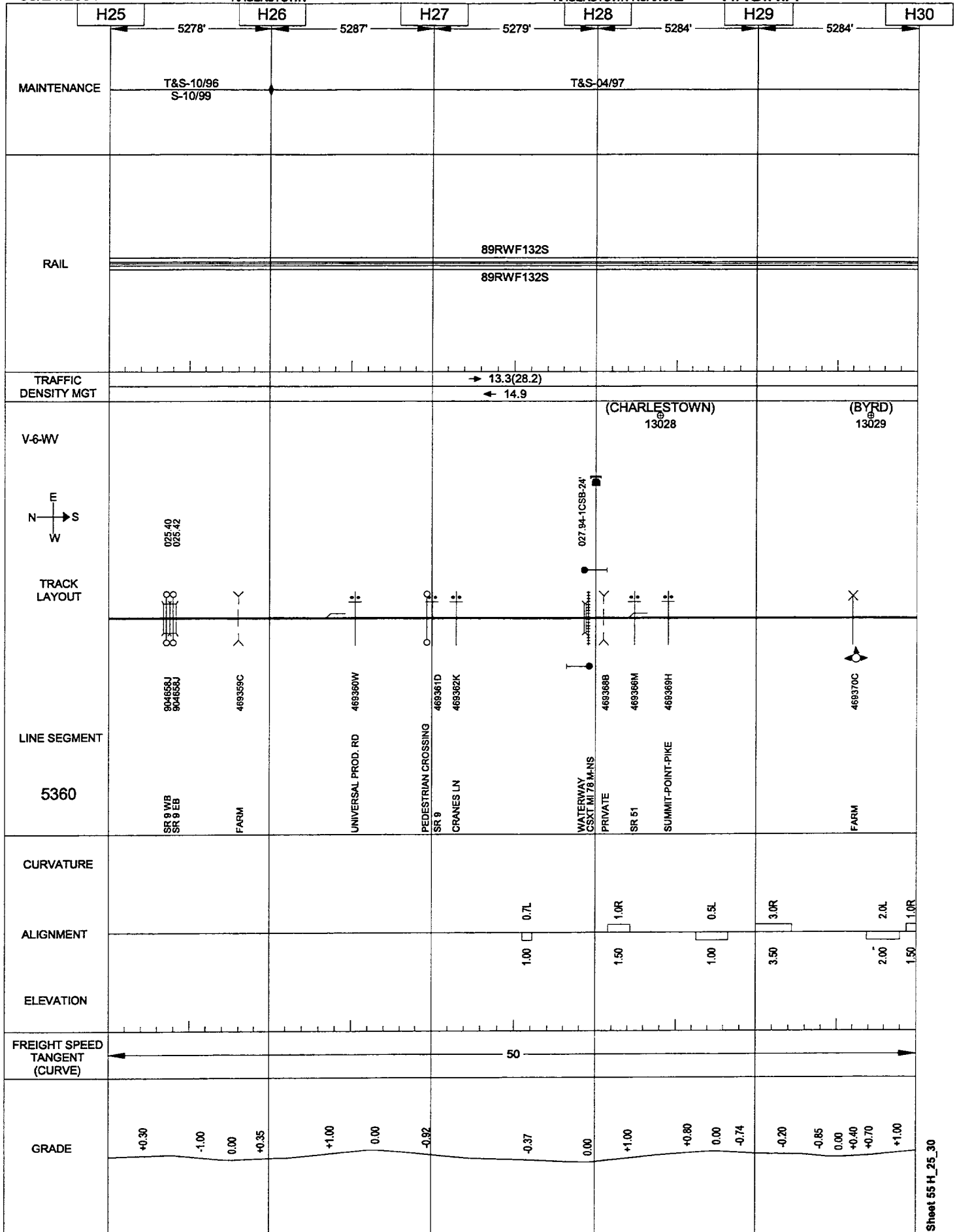


05/24/2001

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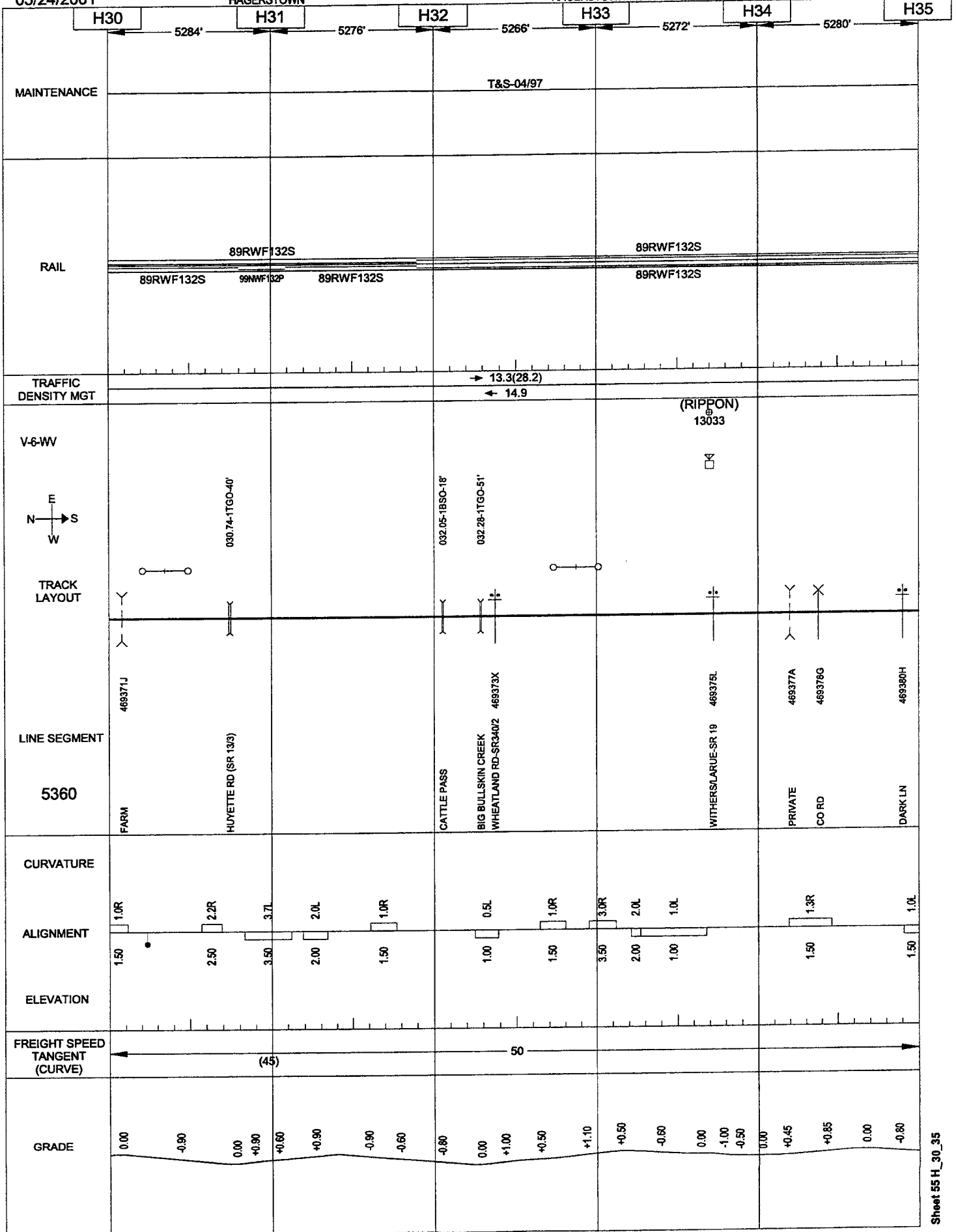


05/24/2001

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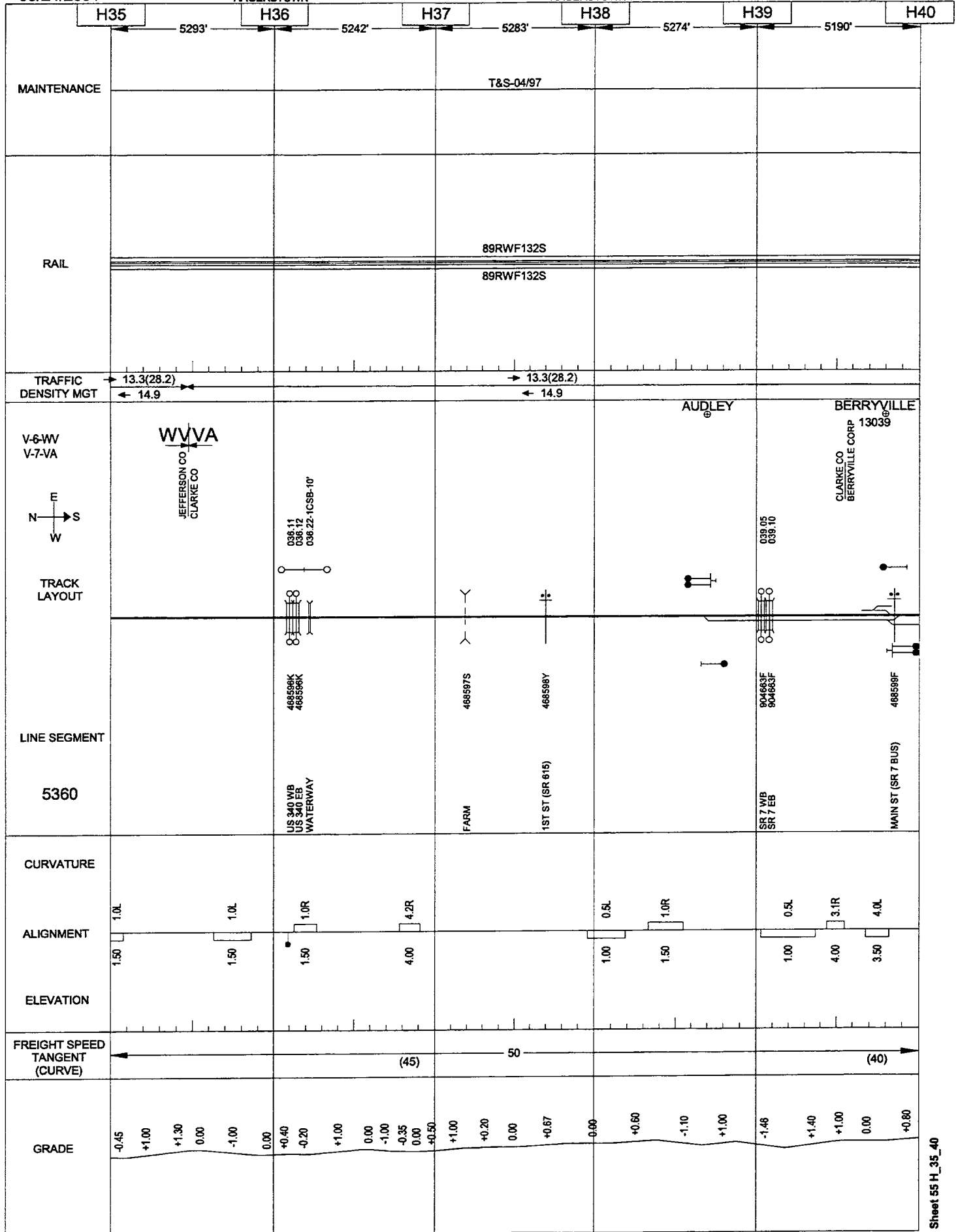


05/24/2001

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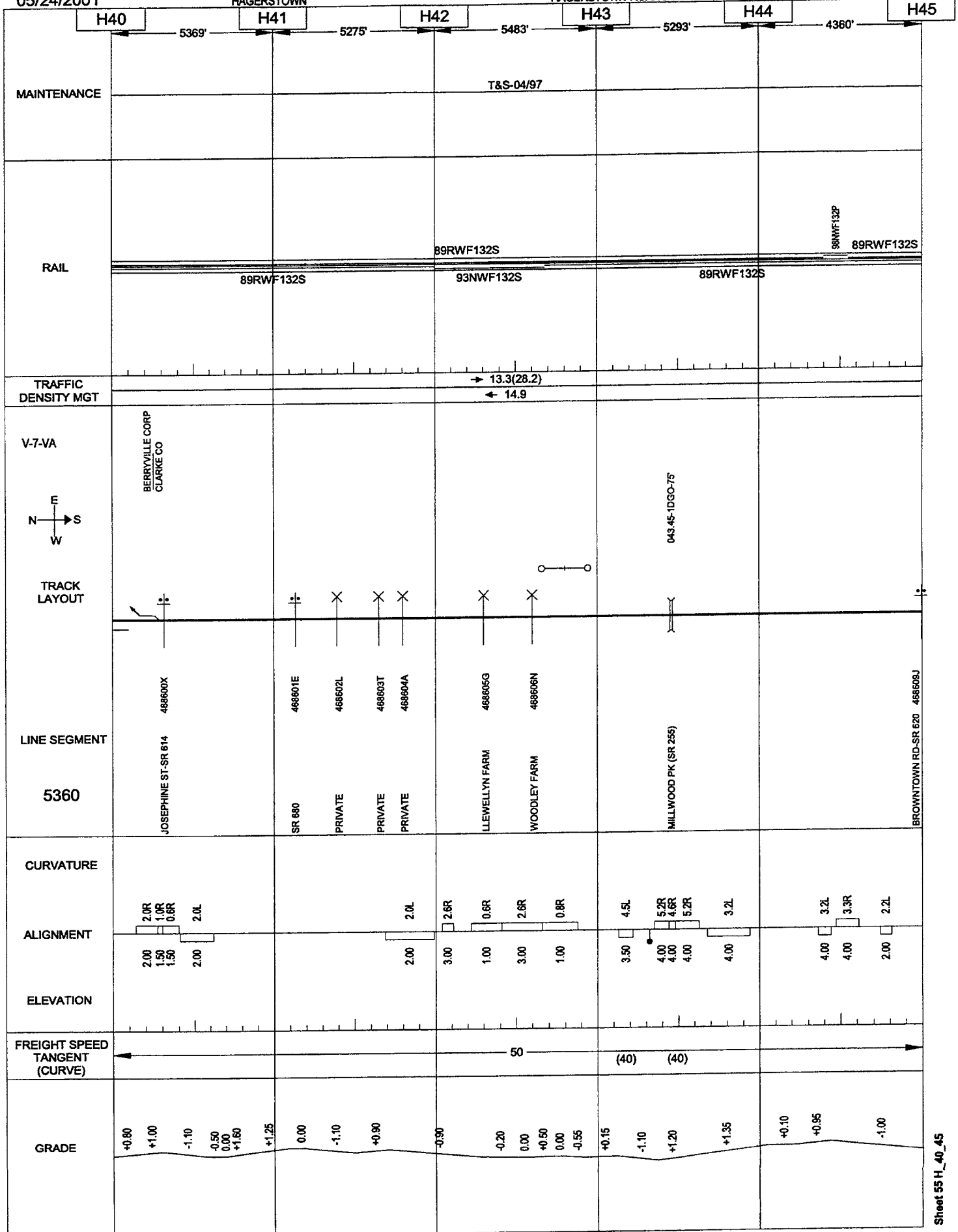


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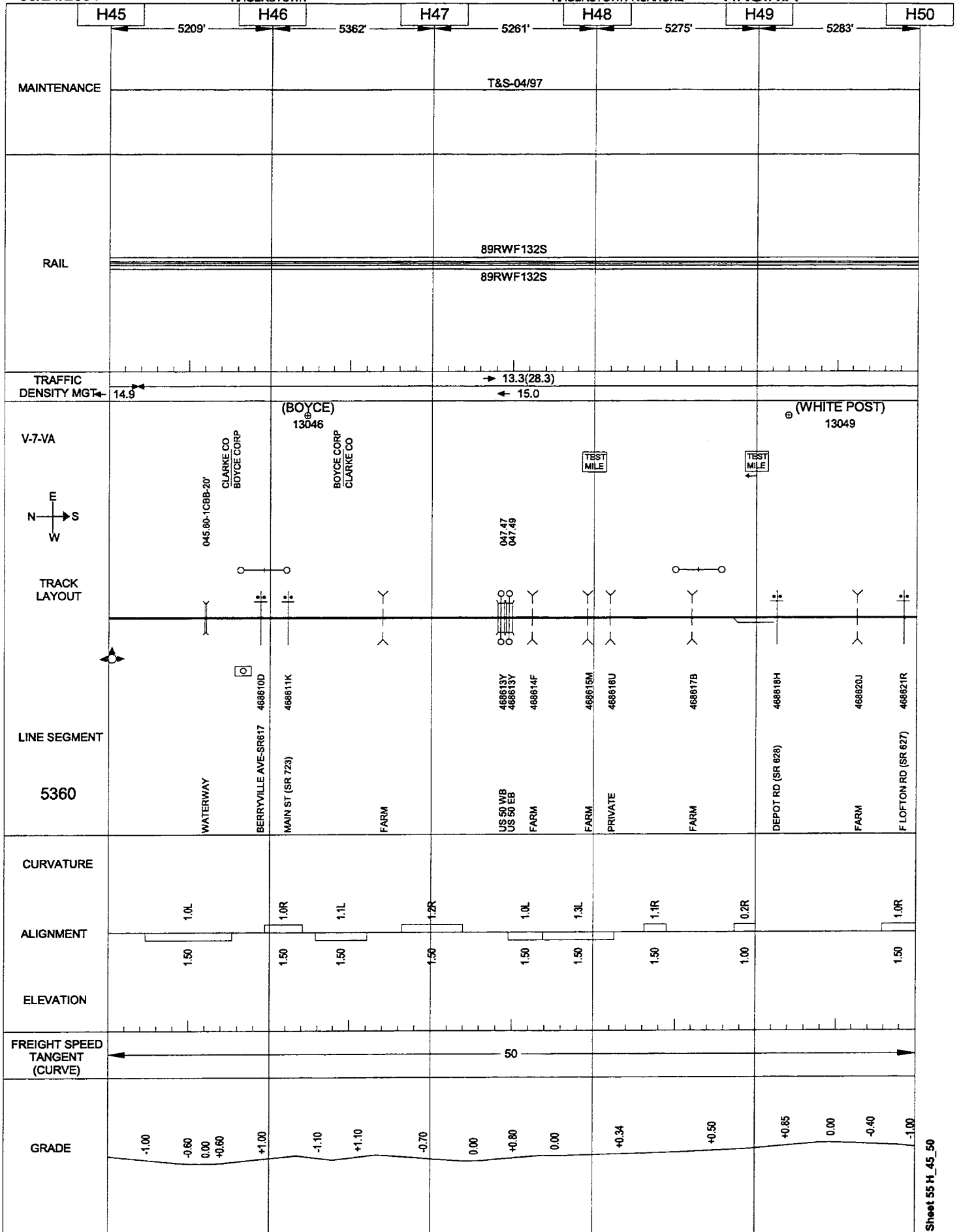


05/24/2001

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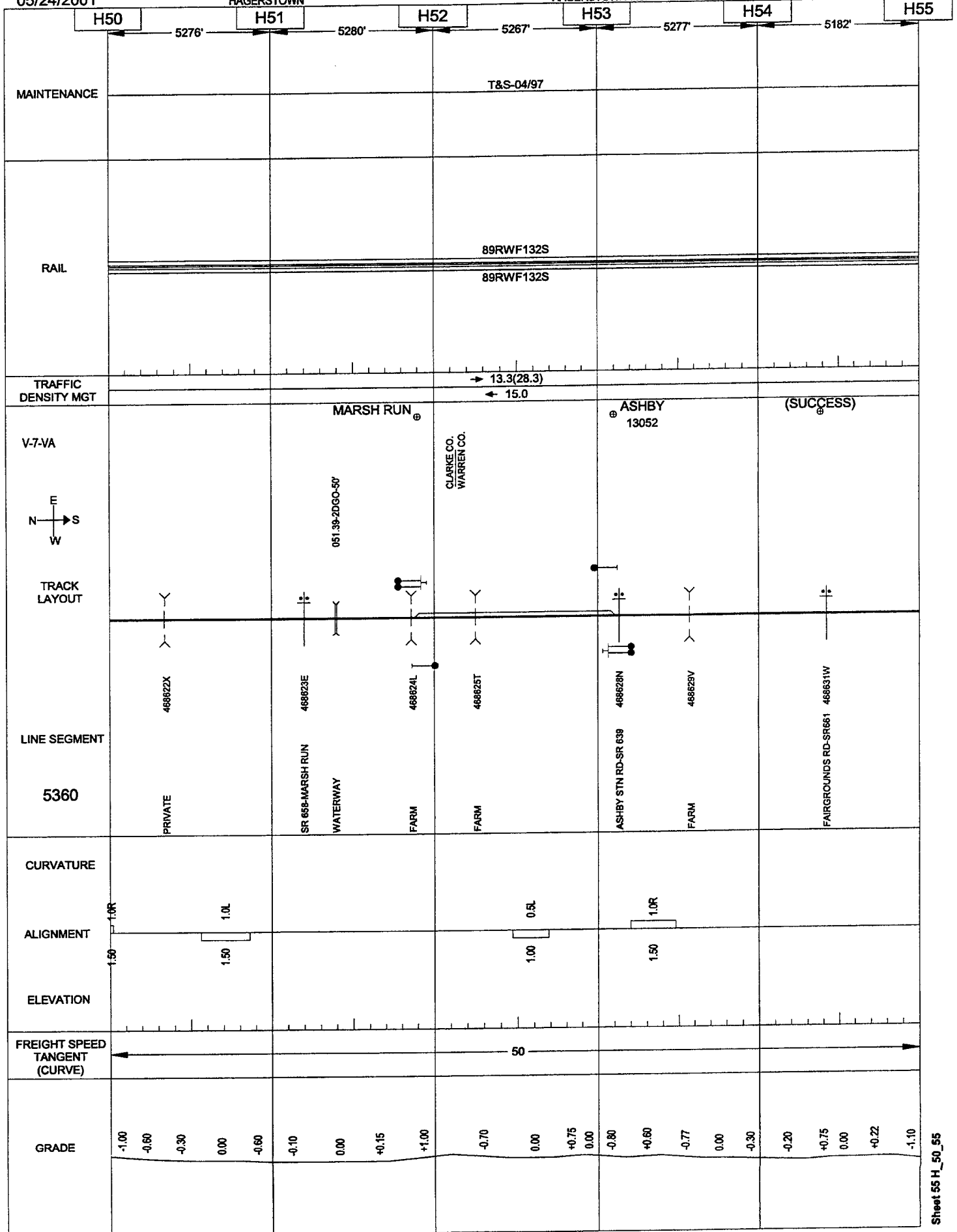


05/24/2001

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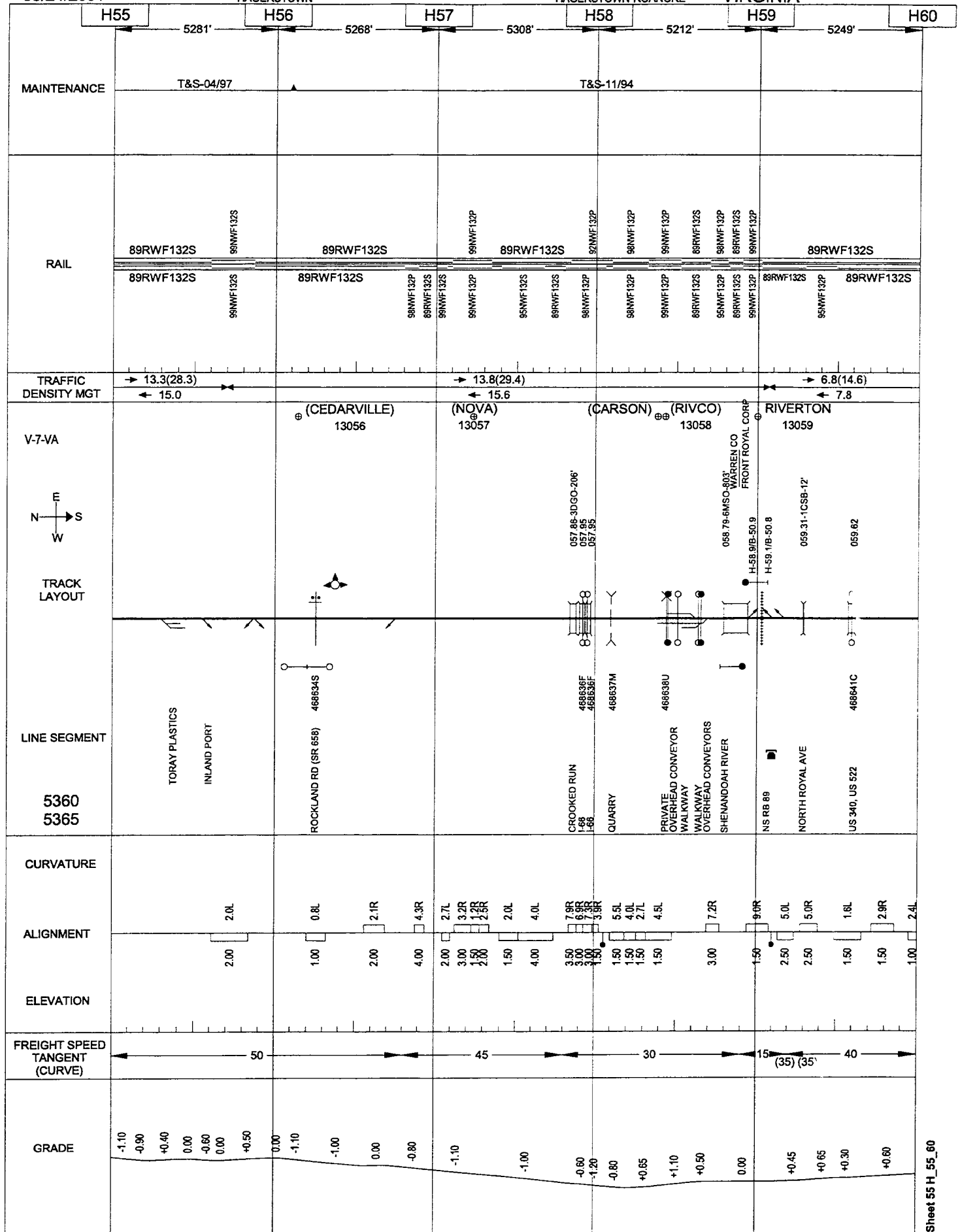


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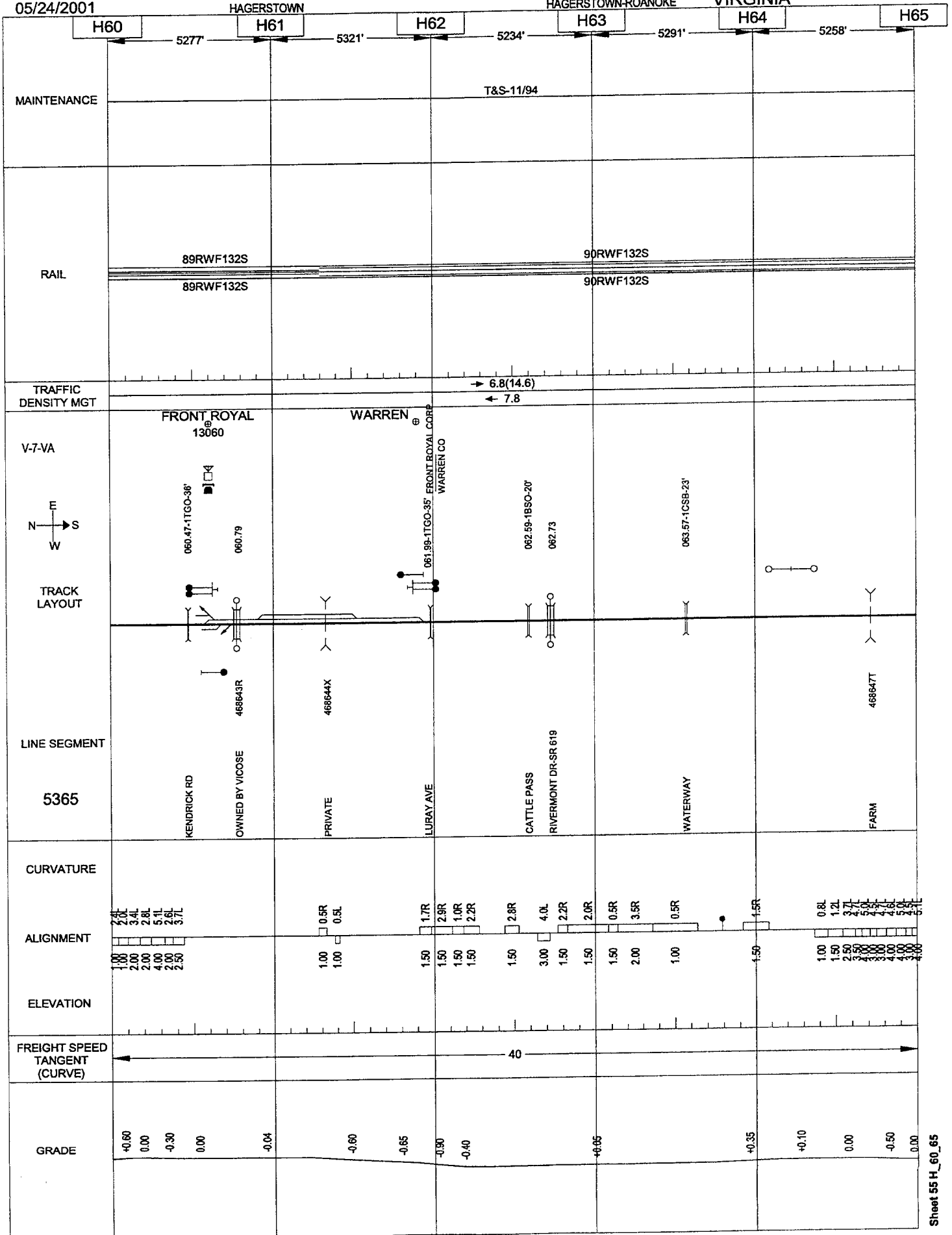


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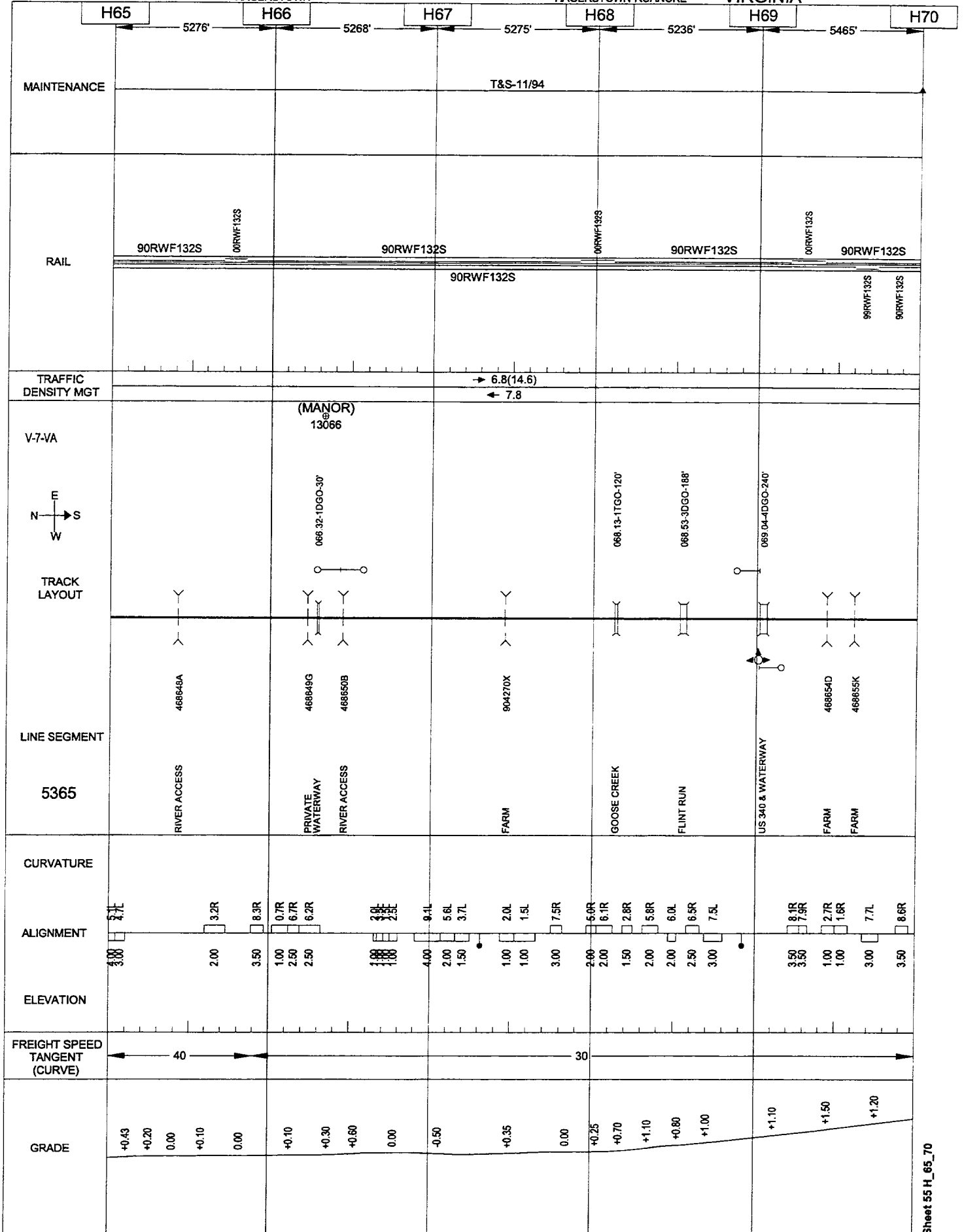


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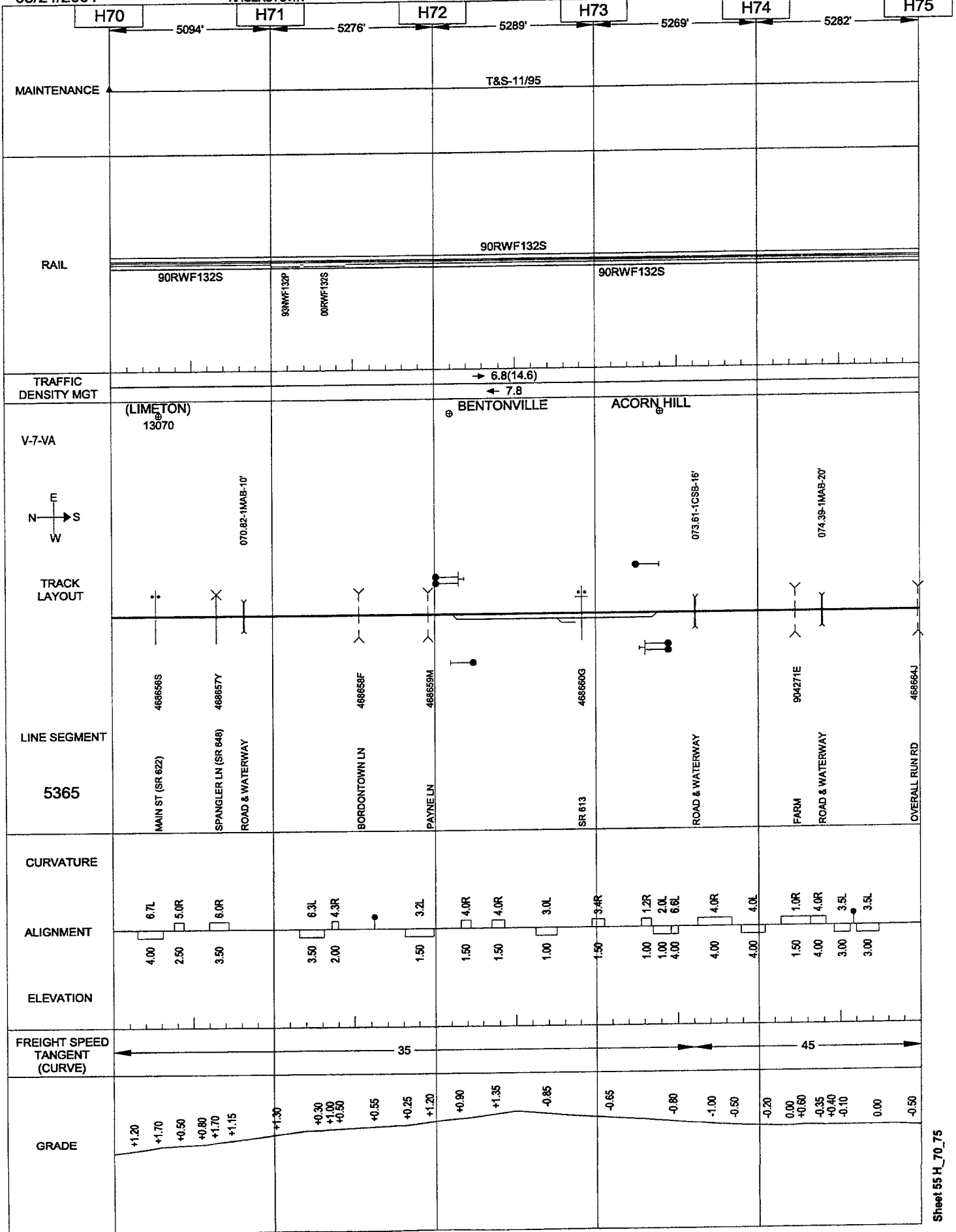


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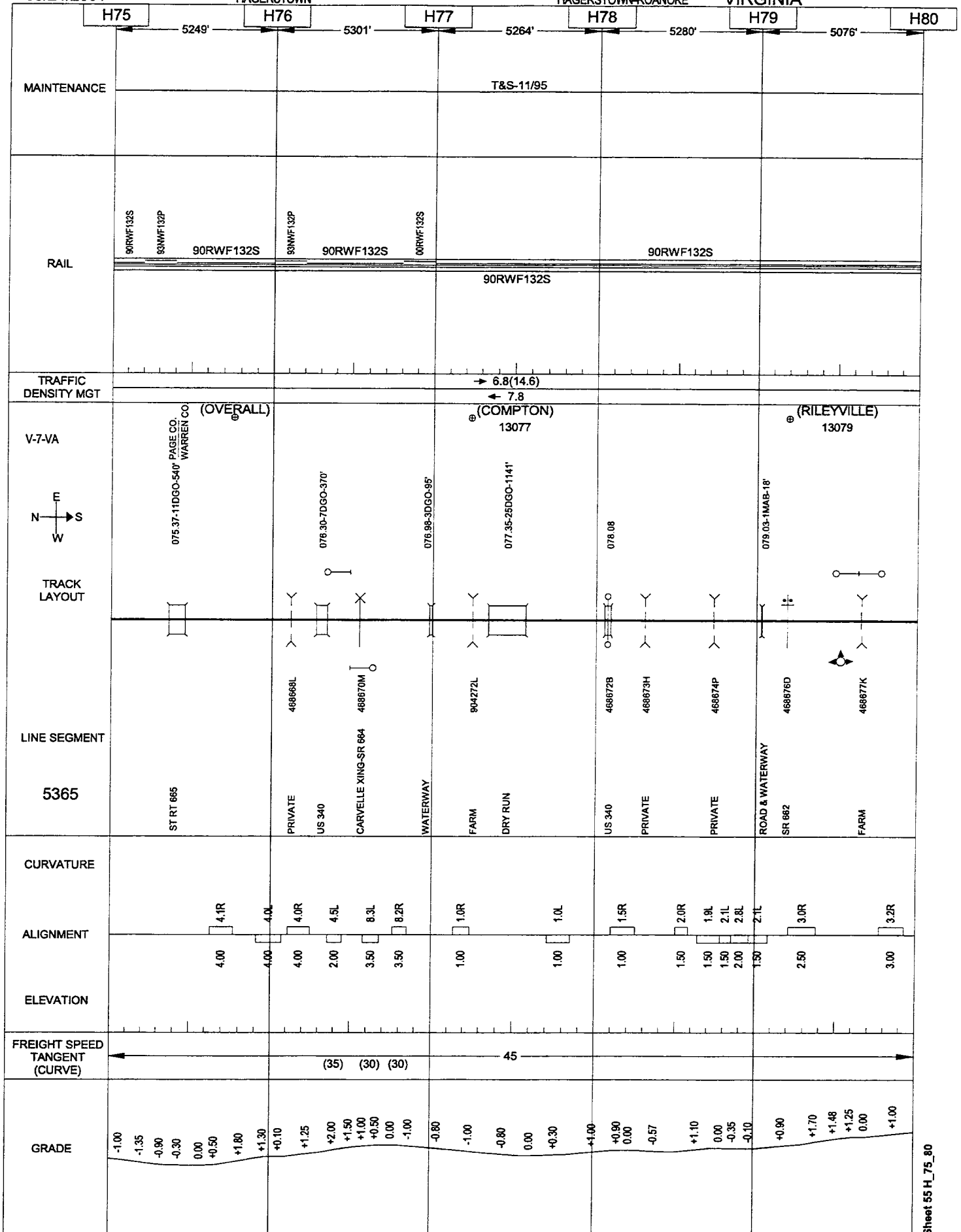


05/24/2001

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HAGERSTOWN-ROANOKE

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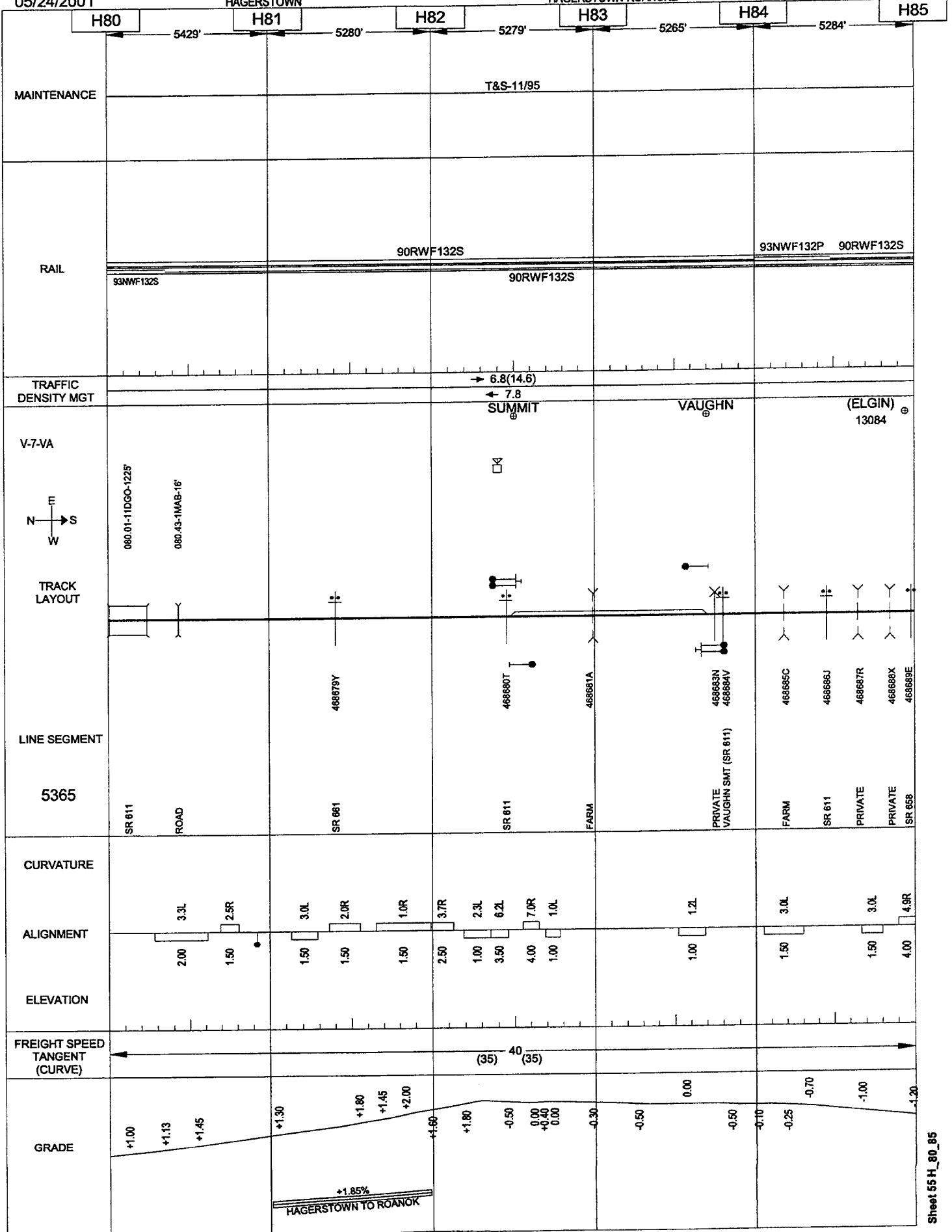


05/24/2001

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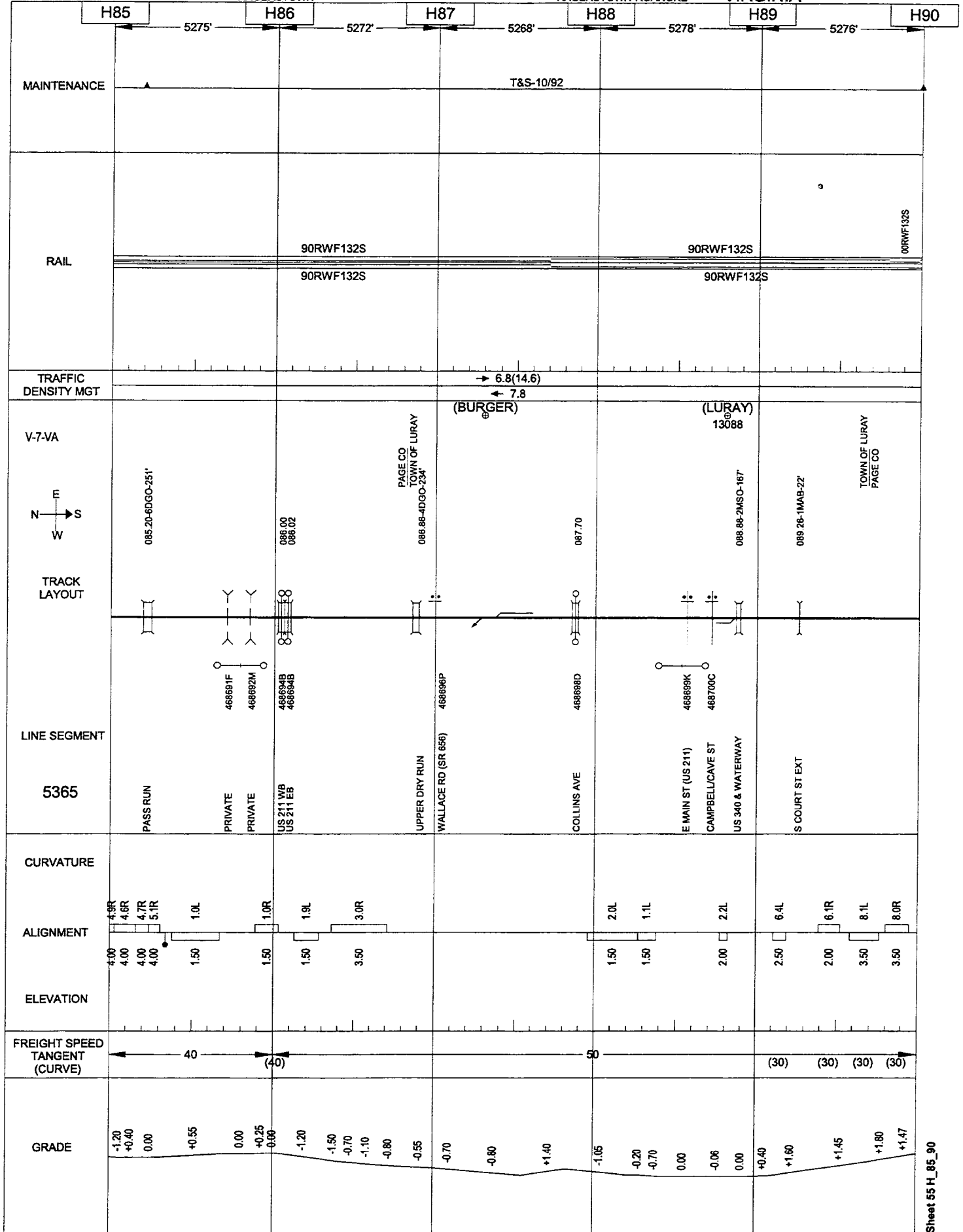


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HAGERSTOWN-ROANOKE

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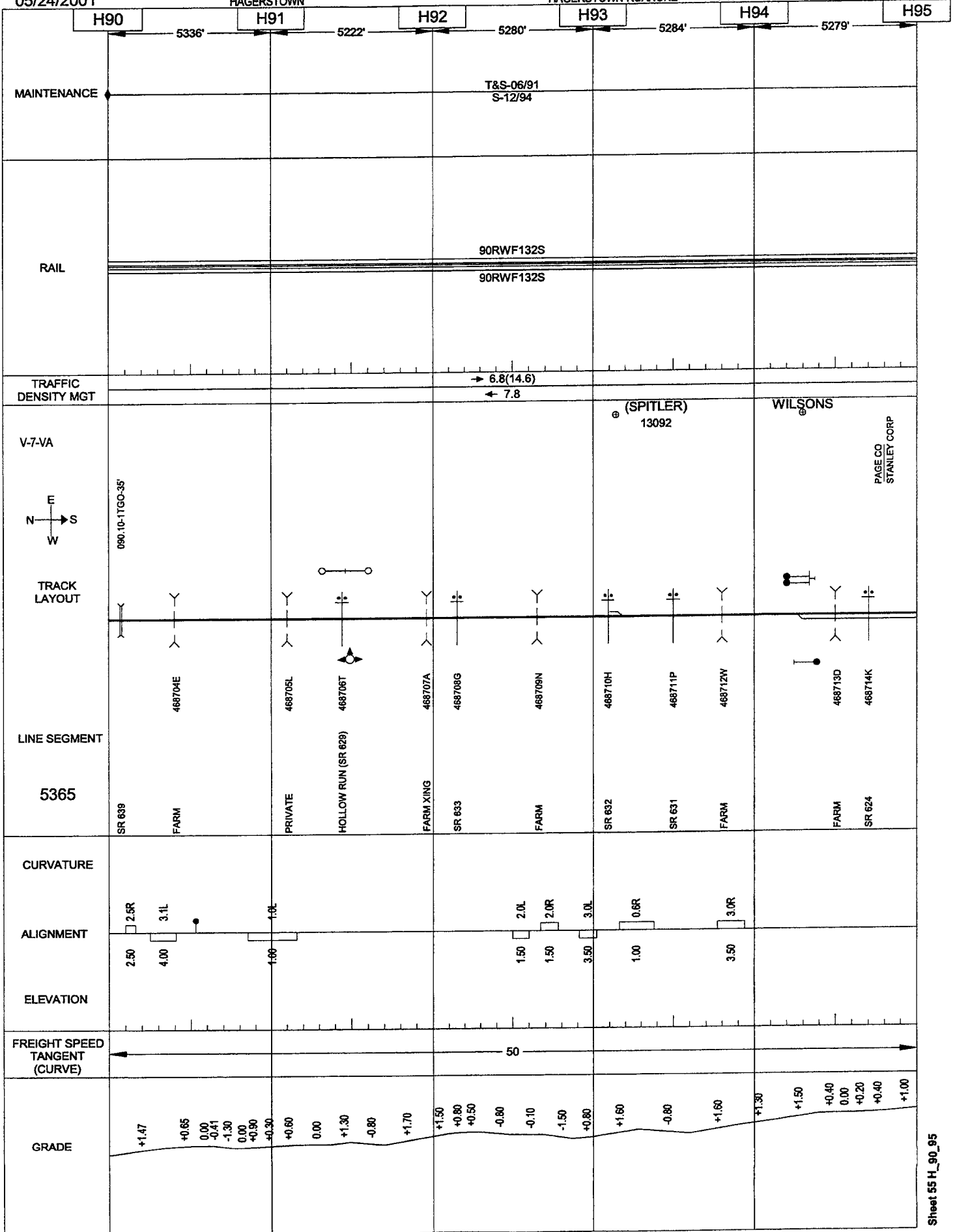


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HAGERSTOWN-ROANOKE

VIRGINIA

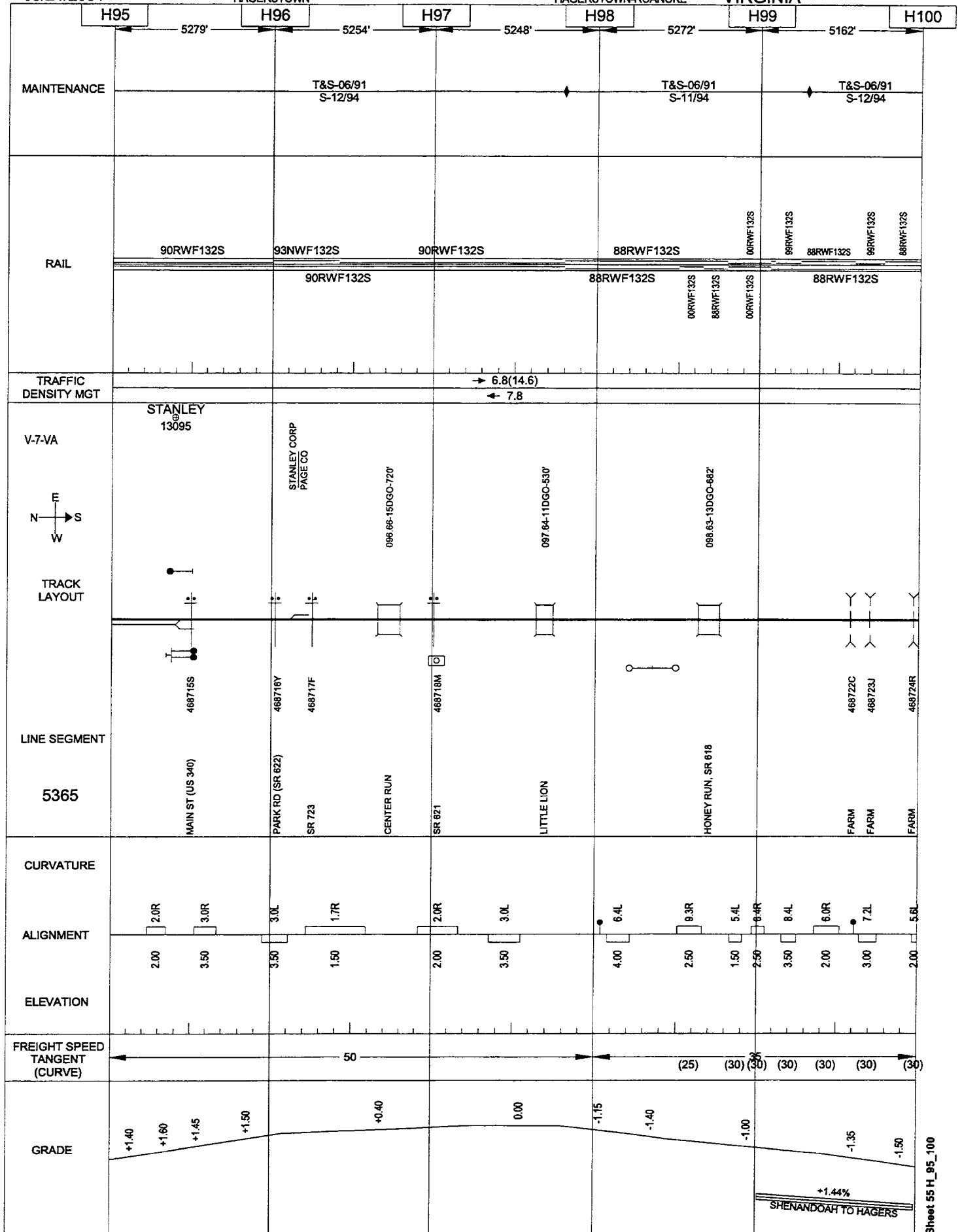


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HAGERSTOWN-ROANOKE

VIRGINIA

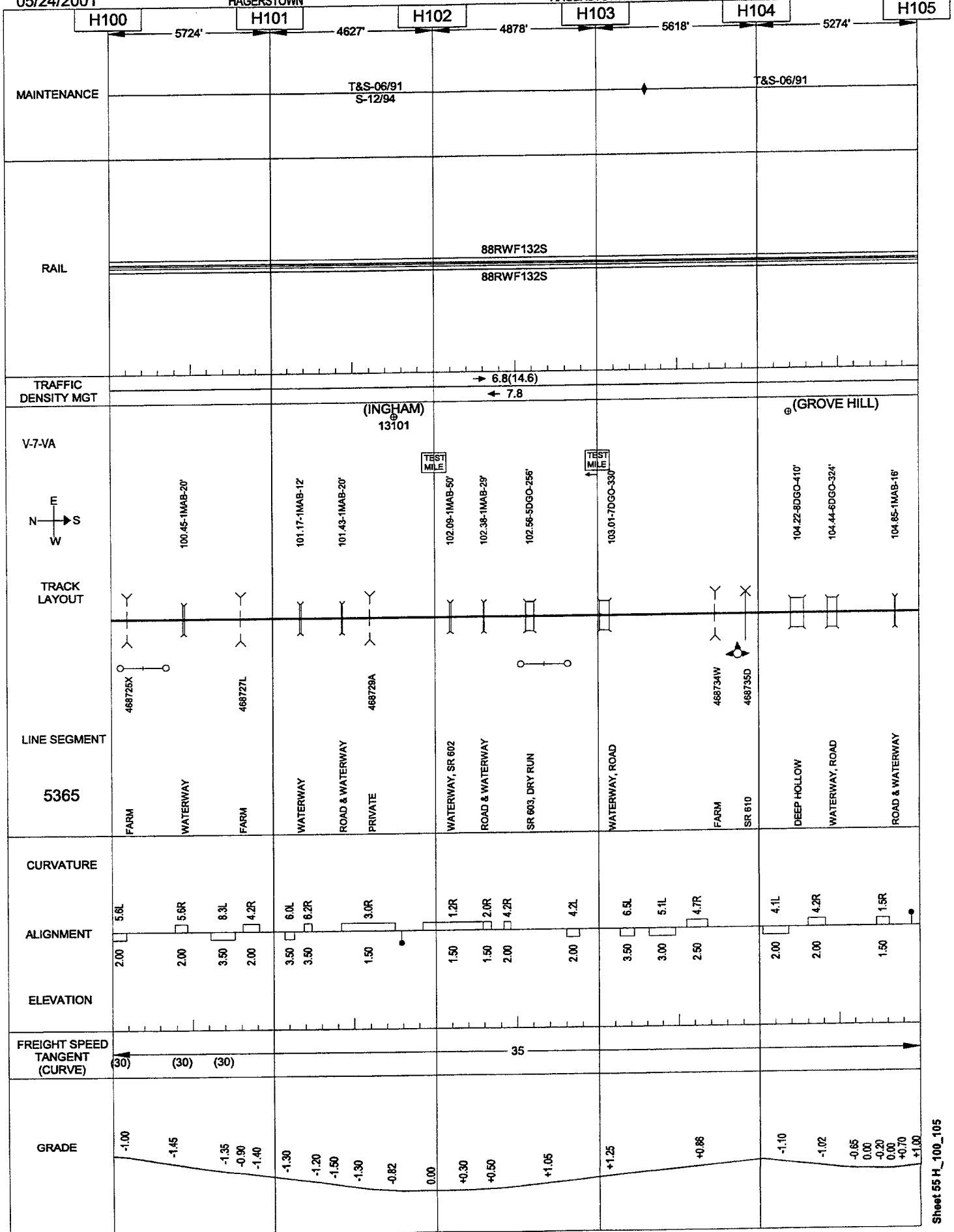


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HAGERSTOWN

HAGERSTOWN-ROANOKE

VIRGINIA

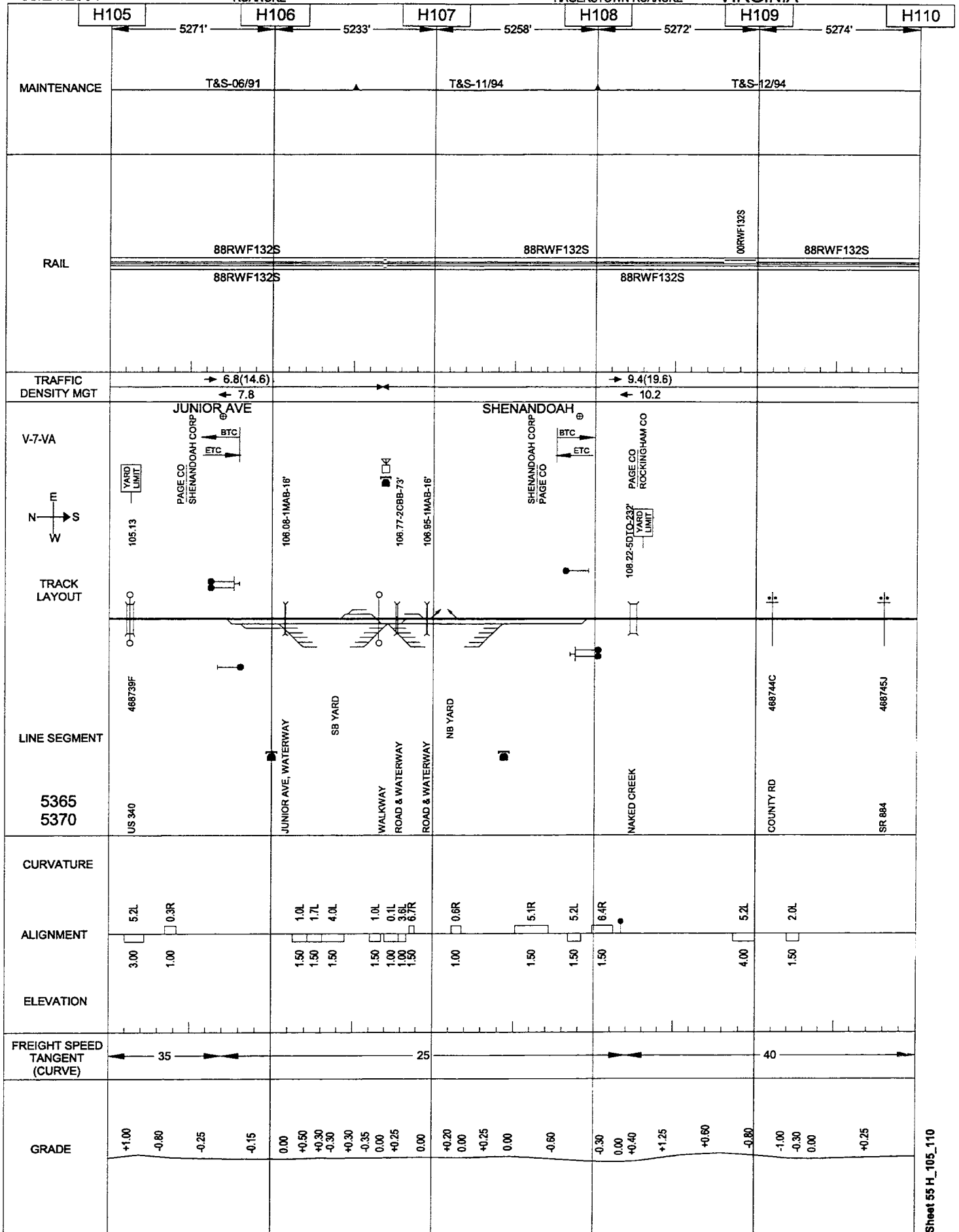


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

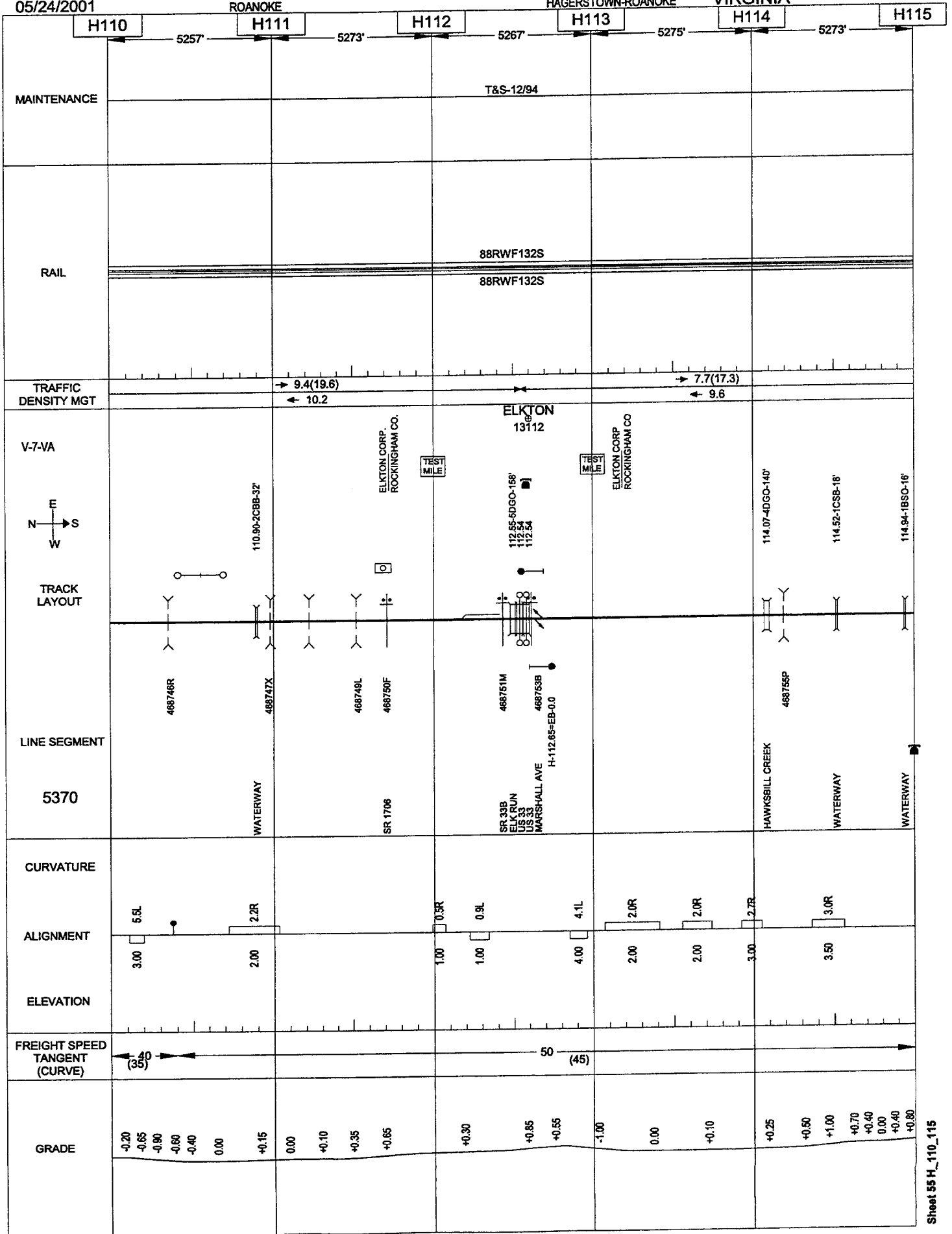


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

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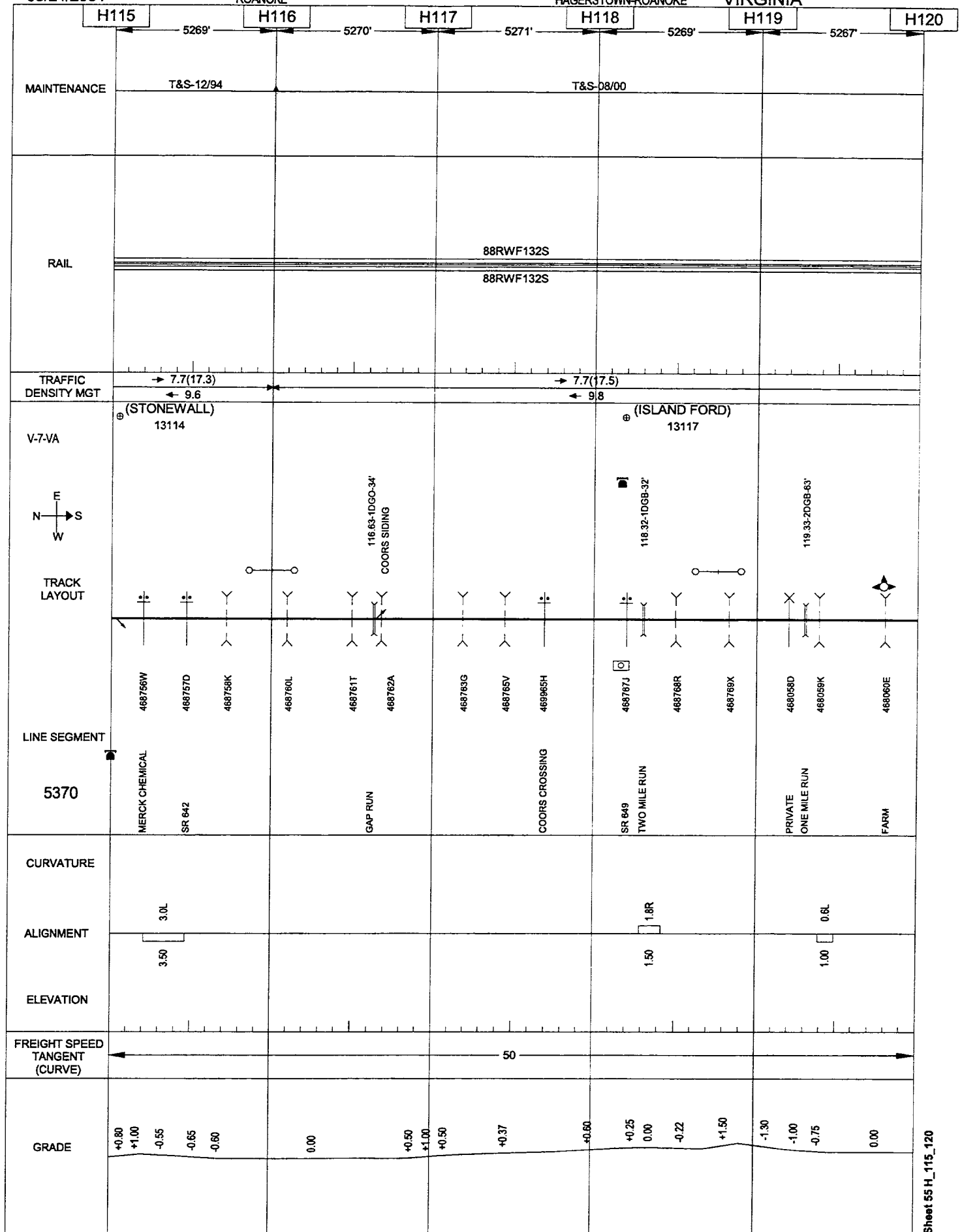


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

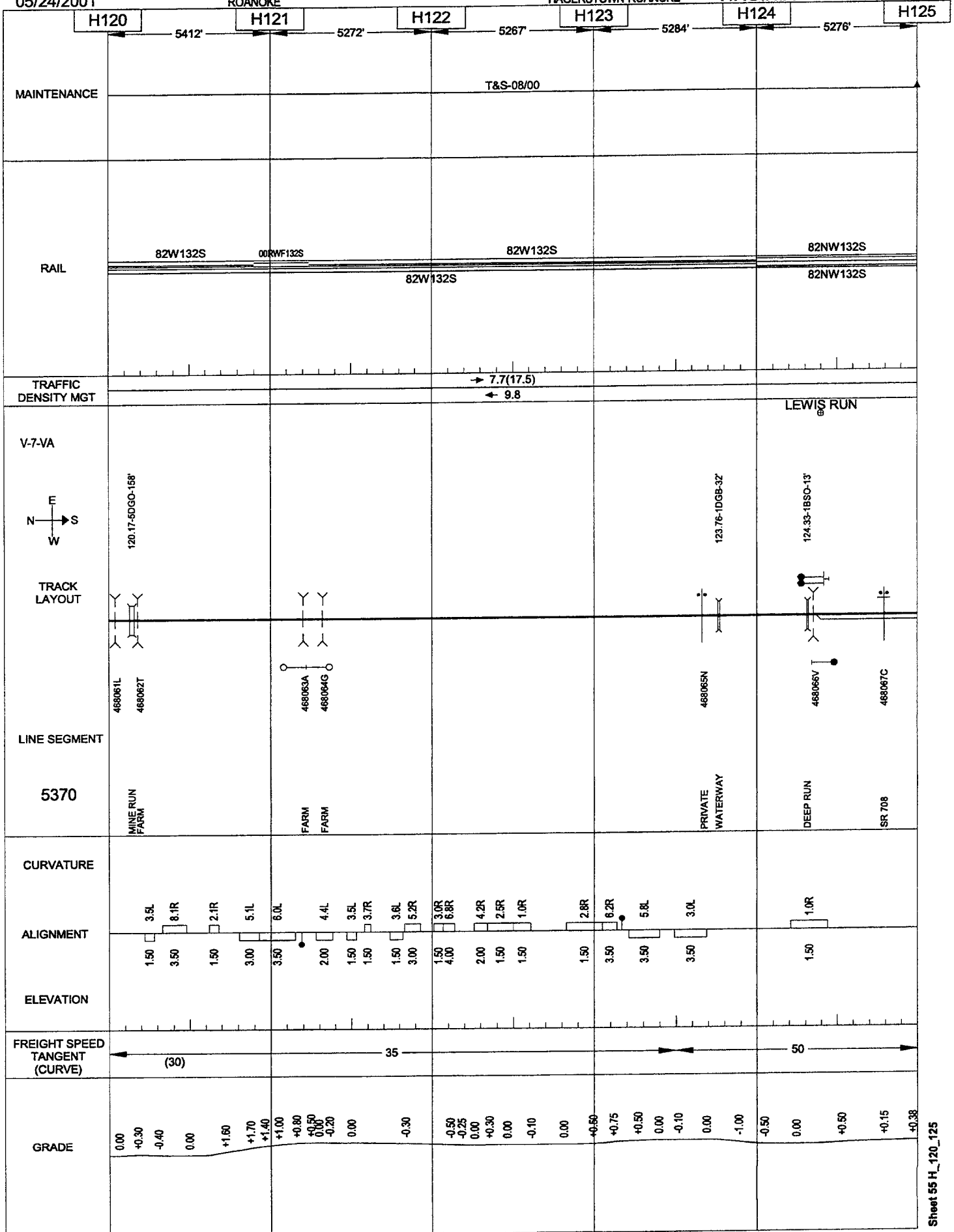


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

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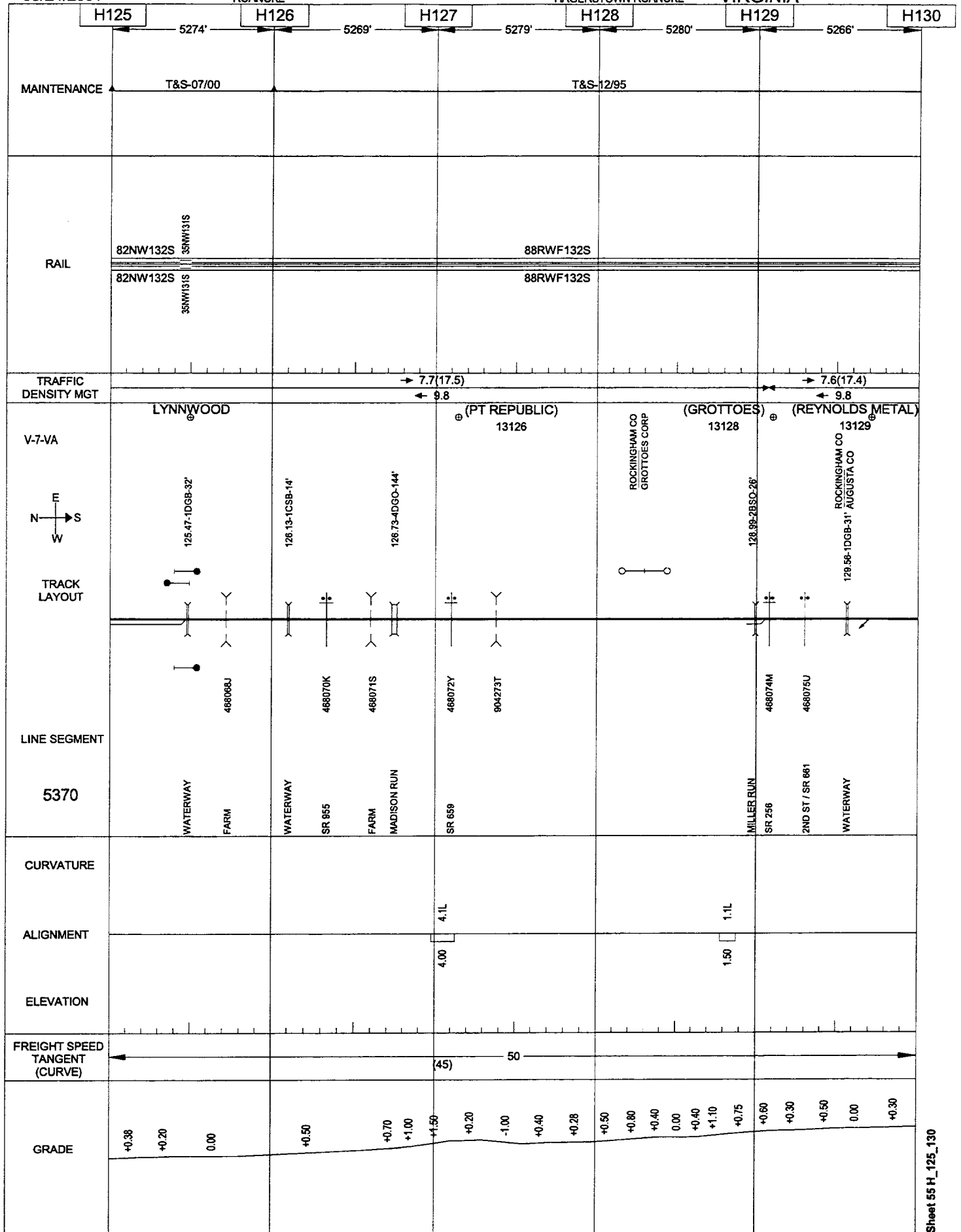


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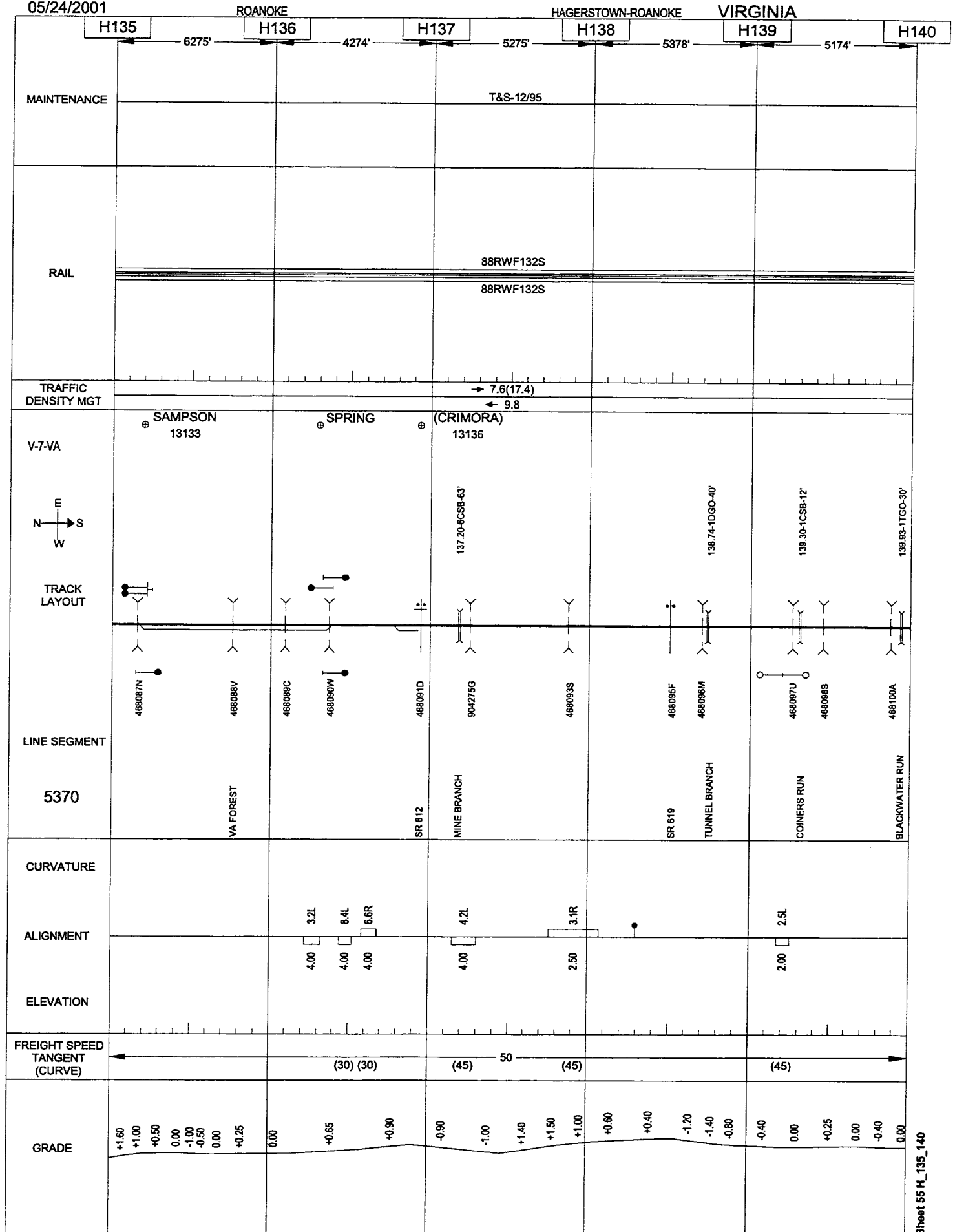
HAGERSTOWN-ROANOKE

VIRGINIA



Sheet 55 H_130_135

05/24/2001

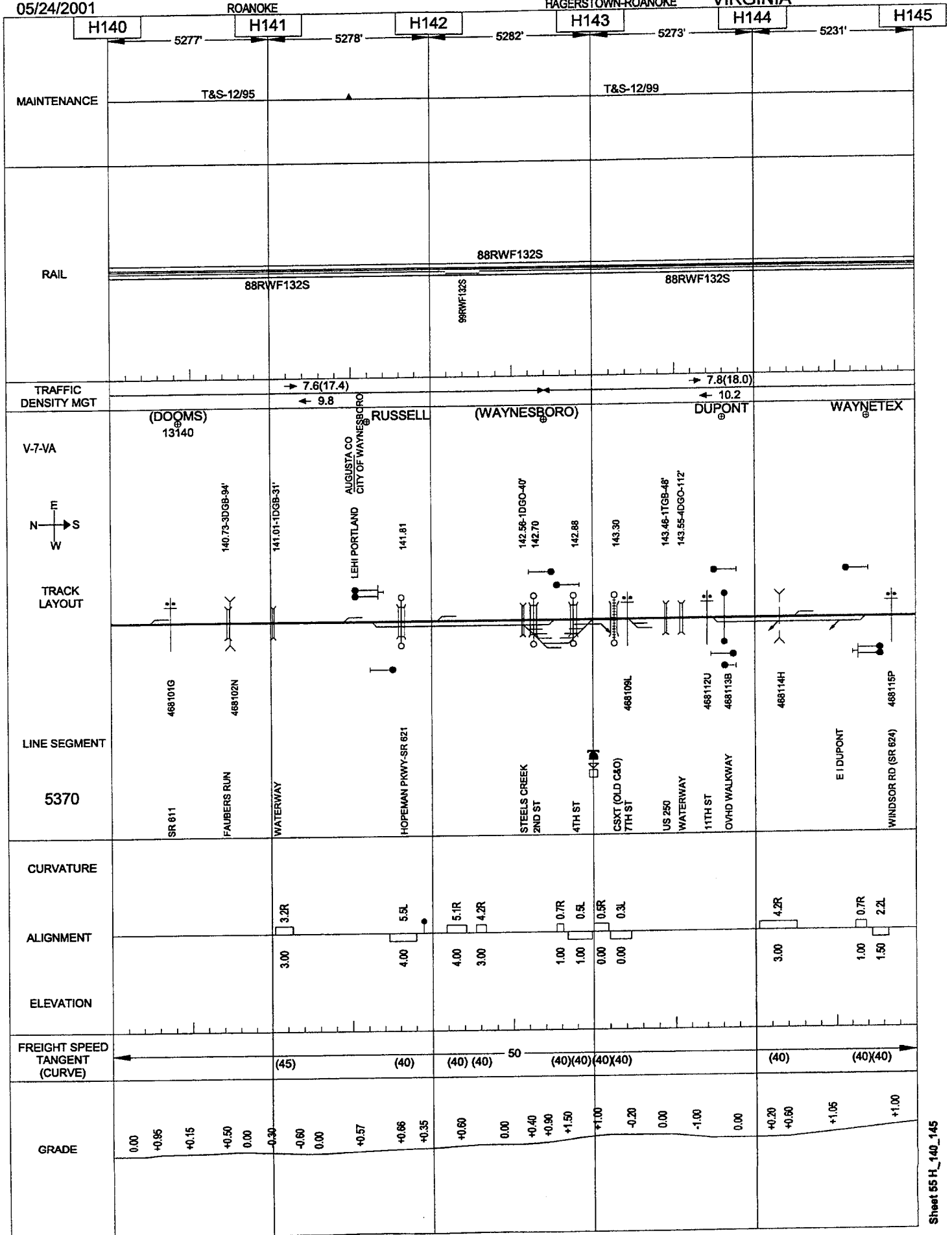


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

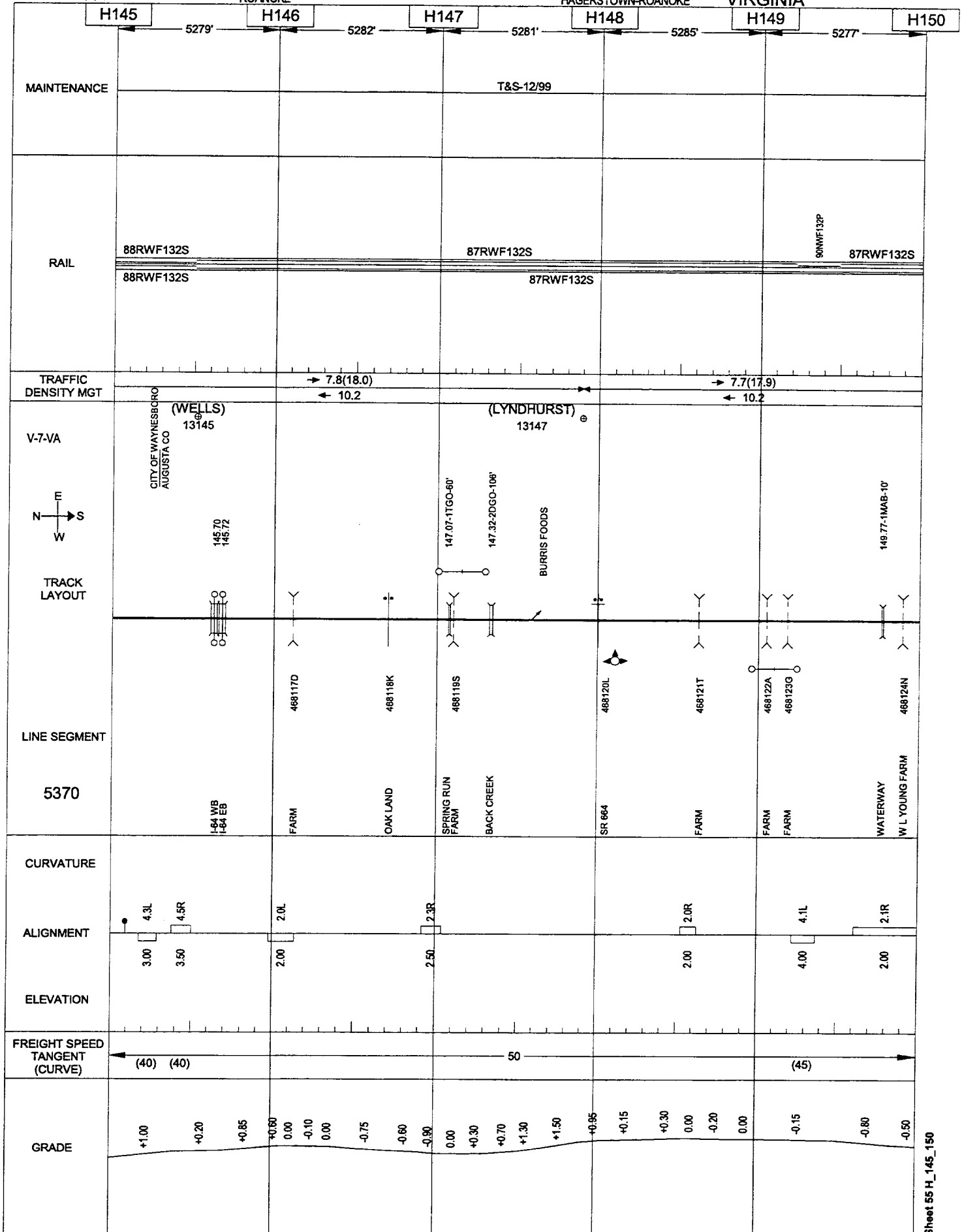


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

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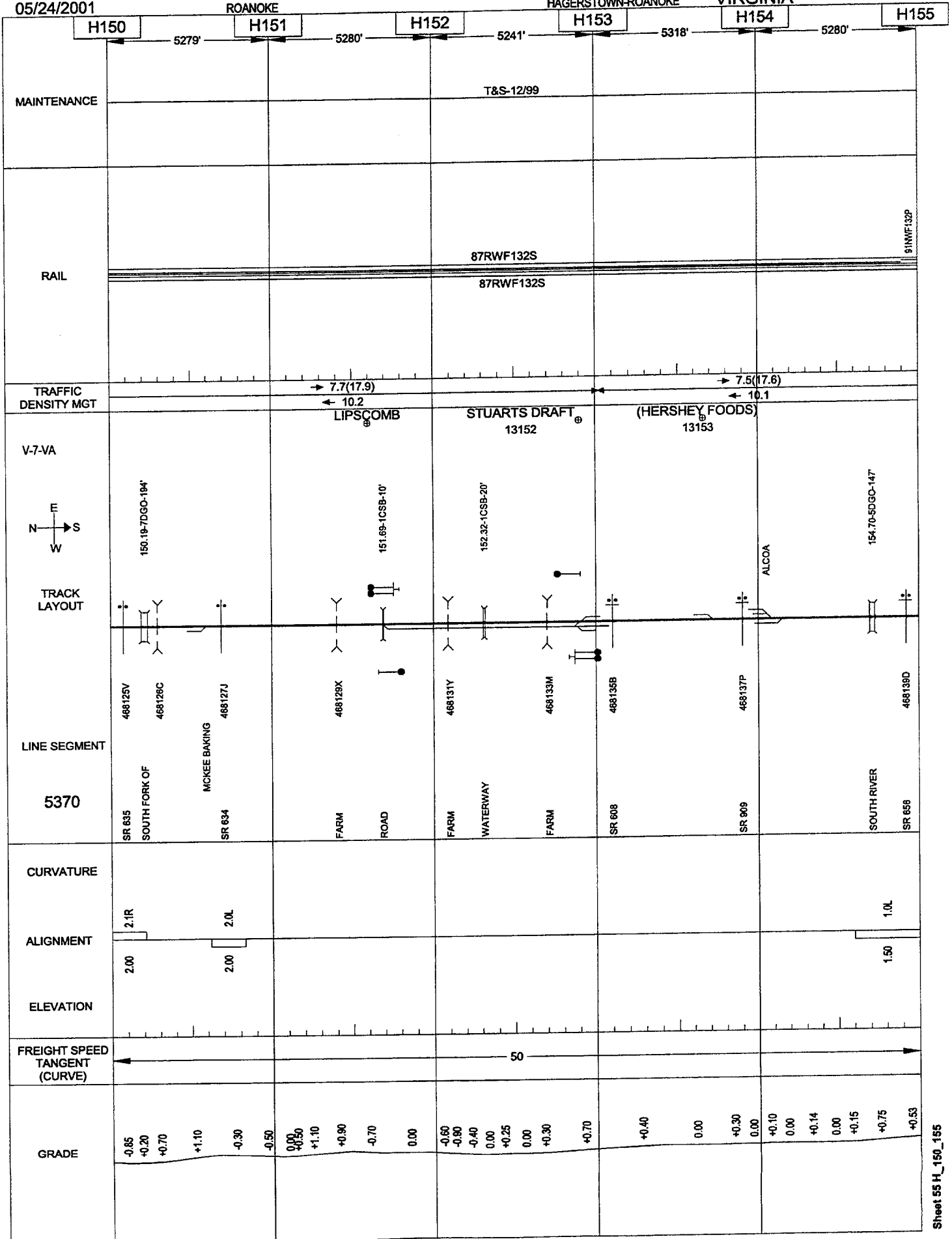


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

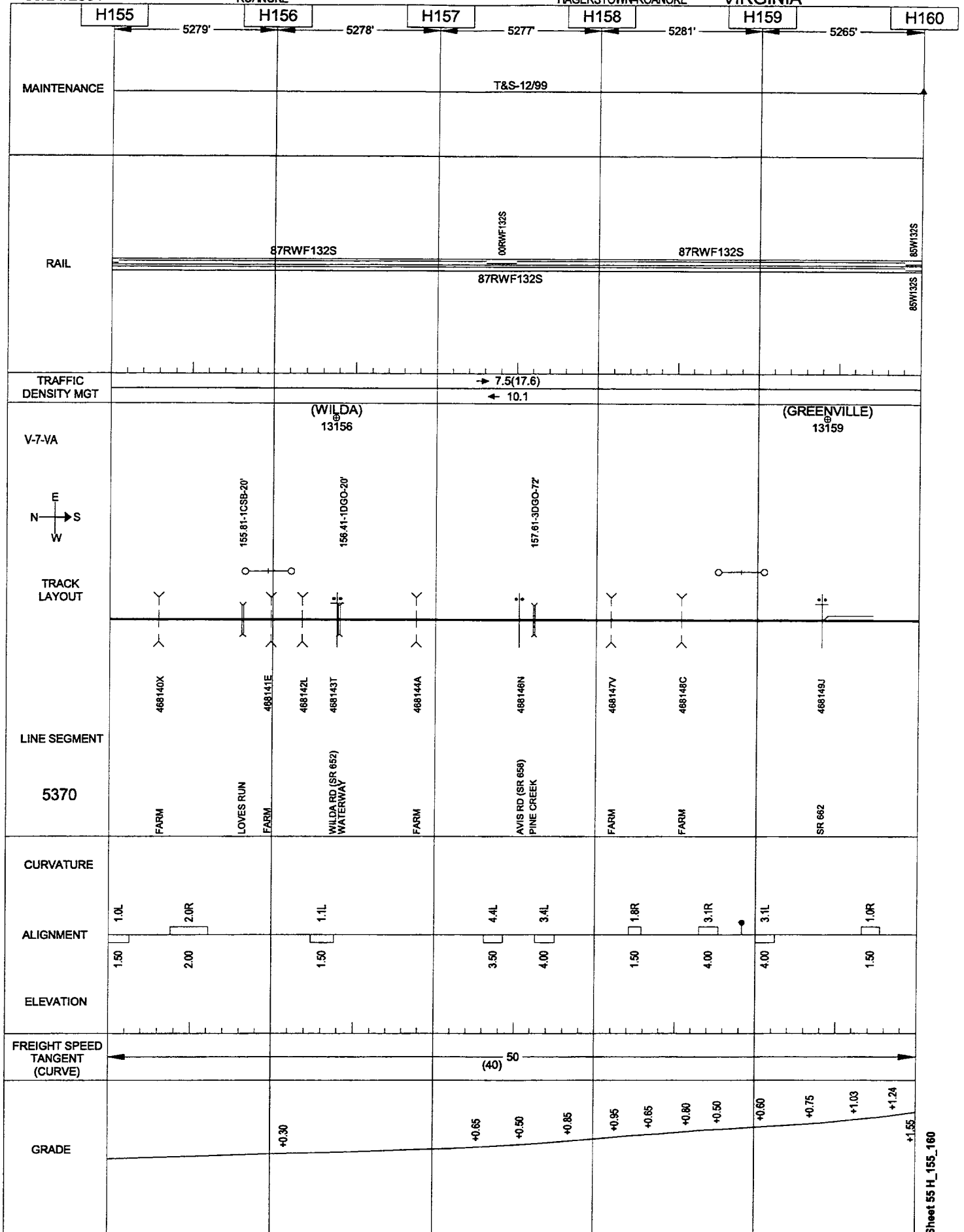


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

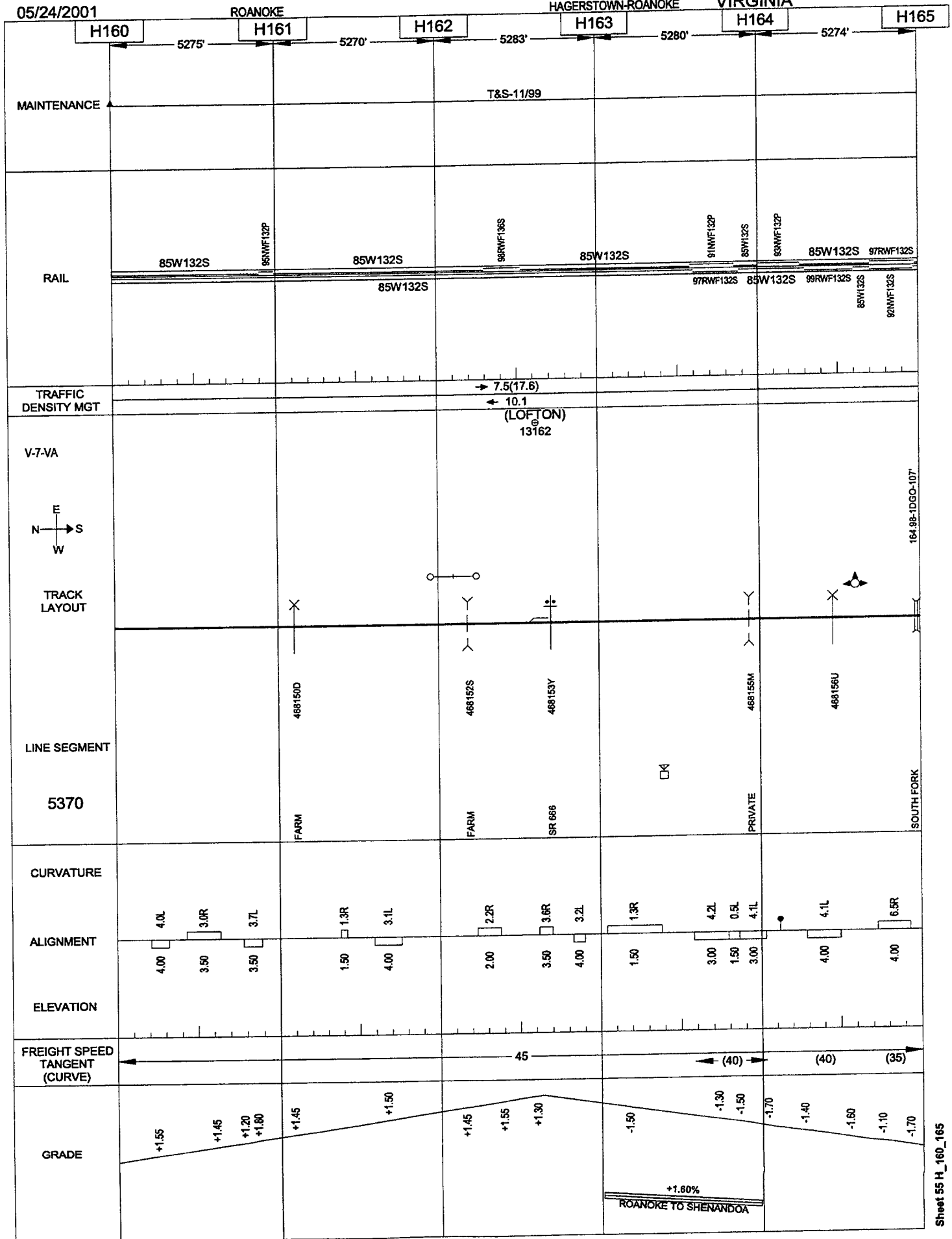


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

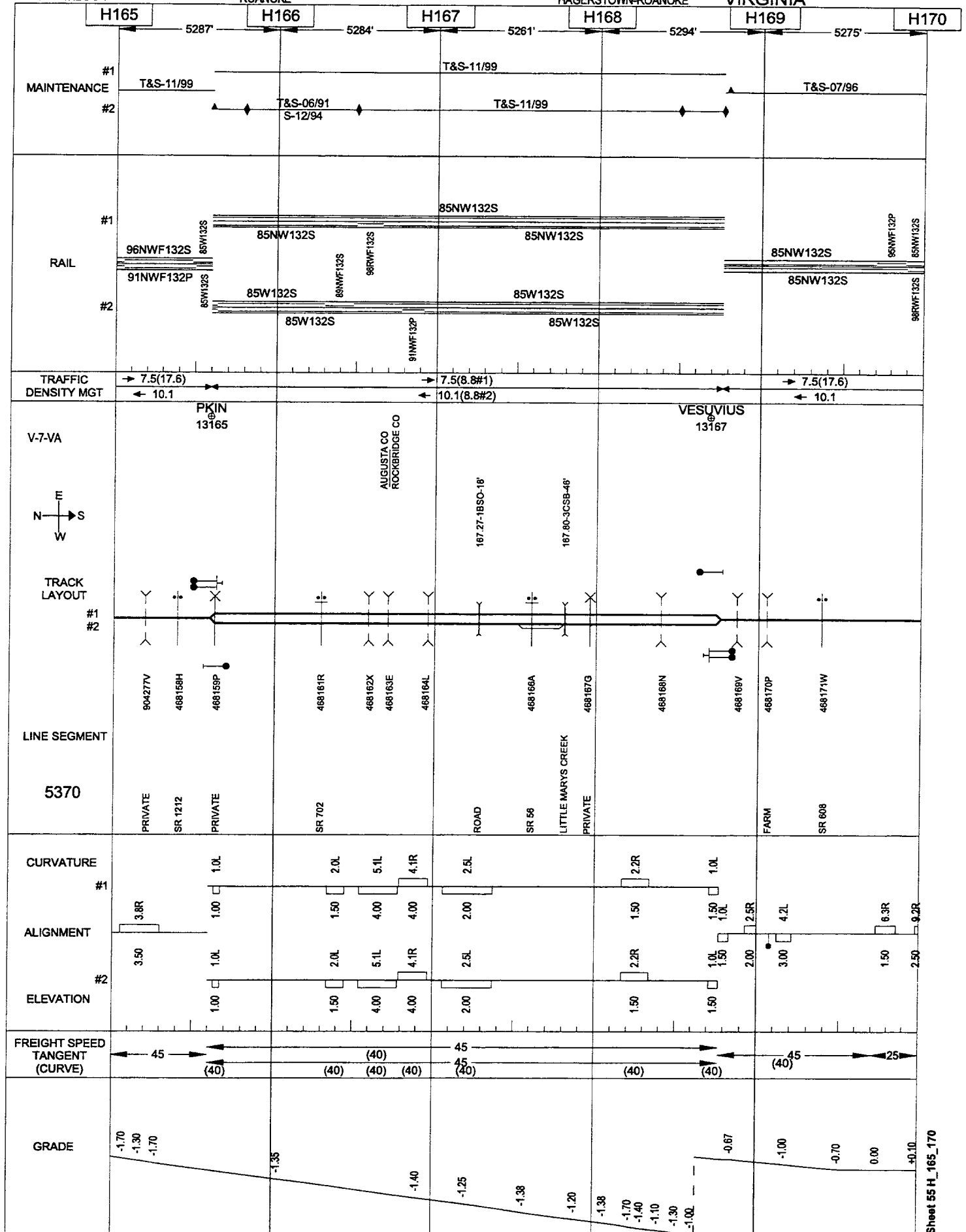


05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA



Sheet 55 H_170_175

05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

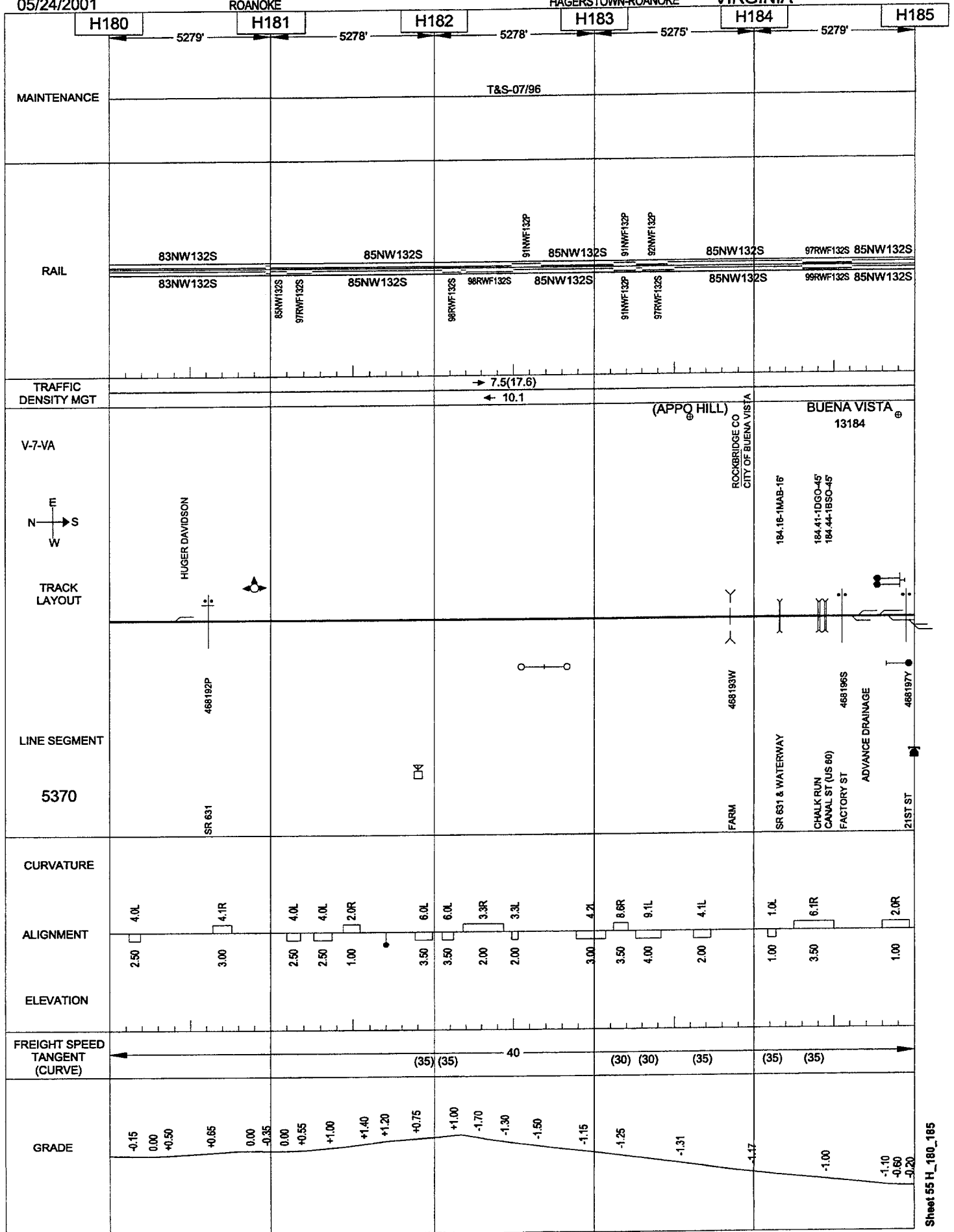
	H175	H176	H177	H178	H179	H180
MAINTENANCE	T&S-07/96					
RAIL	83NW132S 82NW132S	83NW132S	98RWF132S 83NW132S	97RWF132S 83NW132S	99RWF132S 83NW132S	83NW132S
TRAFFIC DENSITY MGT	<div> <div>→ 7.5 (17.6)</div> <div>← 10.1</div> </div>					
V-7-VA	<div> <div>⊕ TWIN FALLS</div> <div>⊕ (CORNWALL) 13177</div> <div>⊕ (RIVERSIDE) 13179</div> </div>					
TRACK LAYOUT						
LINE SEGMENT	468178U 468179B FARM	468180V FARM	468181C FARM	177.66 177.74-40GO-202 SR 718 SR 608	468185E 468186L 468187T 904280D PRIVATE	178.21-1CSB-20' 468188A 468189G 468190B 468191H SR 805 SHIELDS
5370						
CURVATURE						
ALIGNMENT	1.00 1.0R	3.50 4.7R 1.00 1.0L 1.00 1.0L 1.00 1.9L 1.00 1.0R 3.50 8.8R	3.00 7.4L 1.00 3.2L 3.50 8.2R 3.50 8.0R	1.50 2.6L 1.00 2.0L 3.50 6.2L	2.50 4.0R 2.50 4.0L	
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)	<div> <div>← (30)</div> <div>(30)</div> <div>40</div> <div>(30)</div> <div>(30)</div> <div>(35)</div> <div>→</div> </div>					
GRADE	-0.60 -0.80 -0.60	-0.40 -1.00 -0.60	-0.70 -0.80 0.00 -0.40 -0.10 0.00 -0.20	-1.00 -1.50 -0.95 -1.50 -0.90 -0.25 -0.40 -0.65	-0.45	

05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

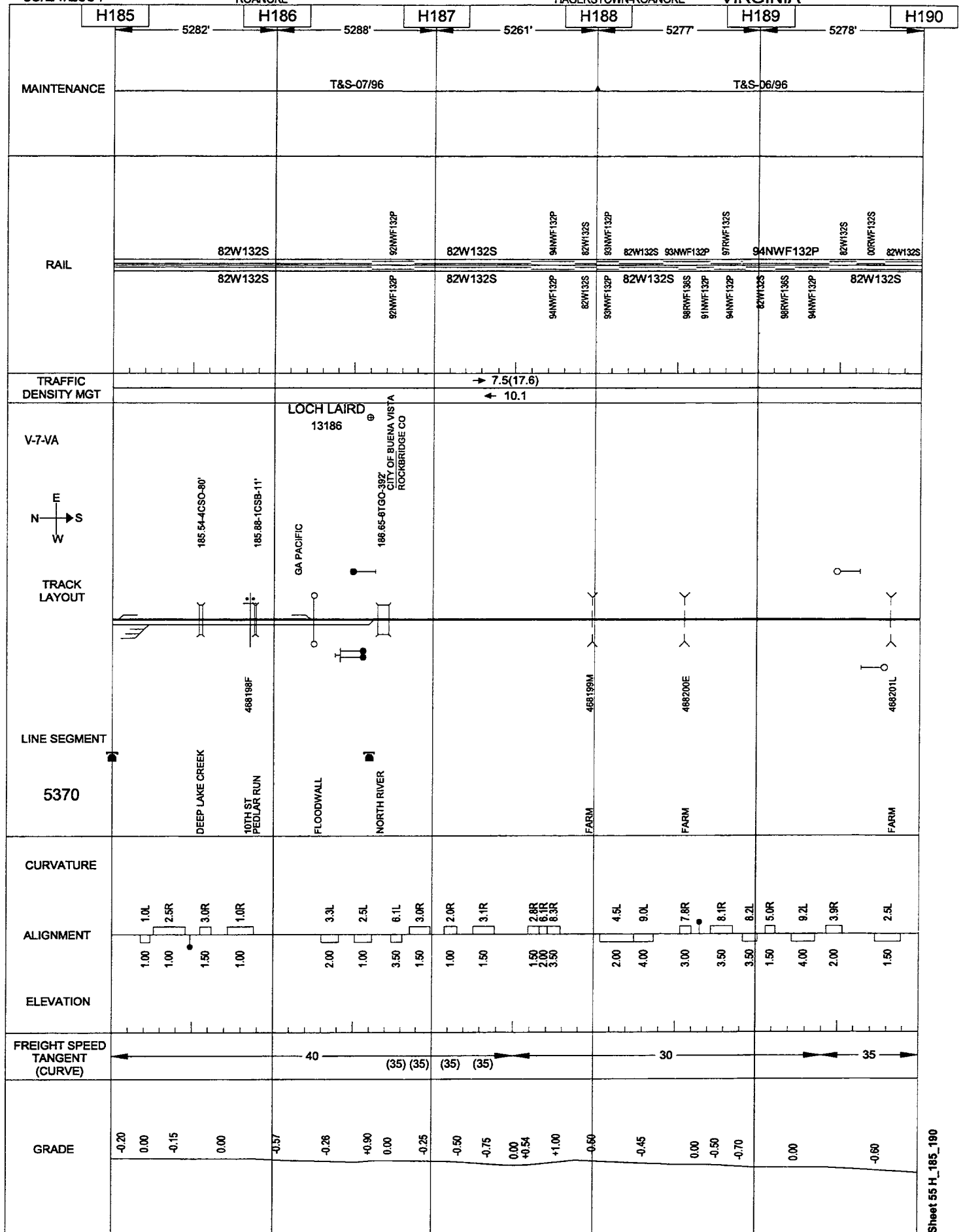


05/24/2001

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HAGERSTOWN-ROANOKE

VIRGINIA



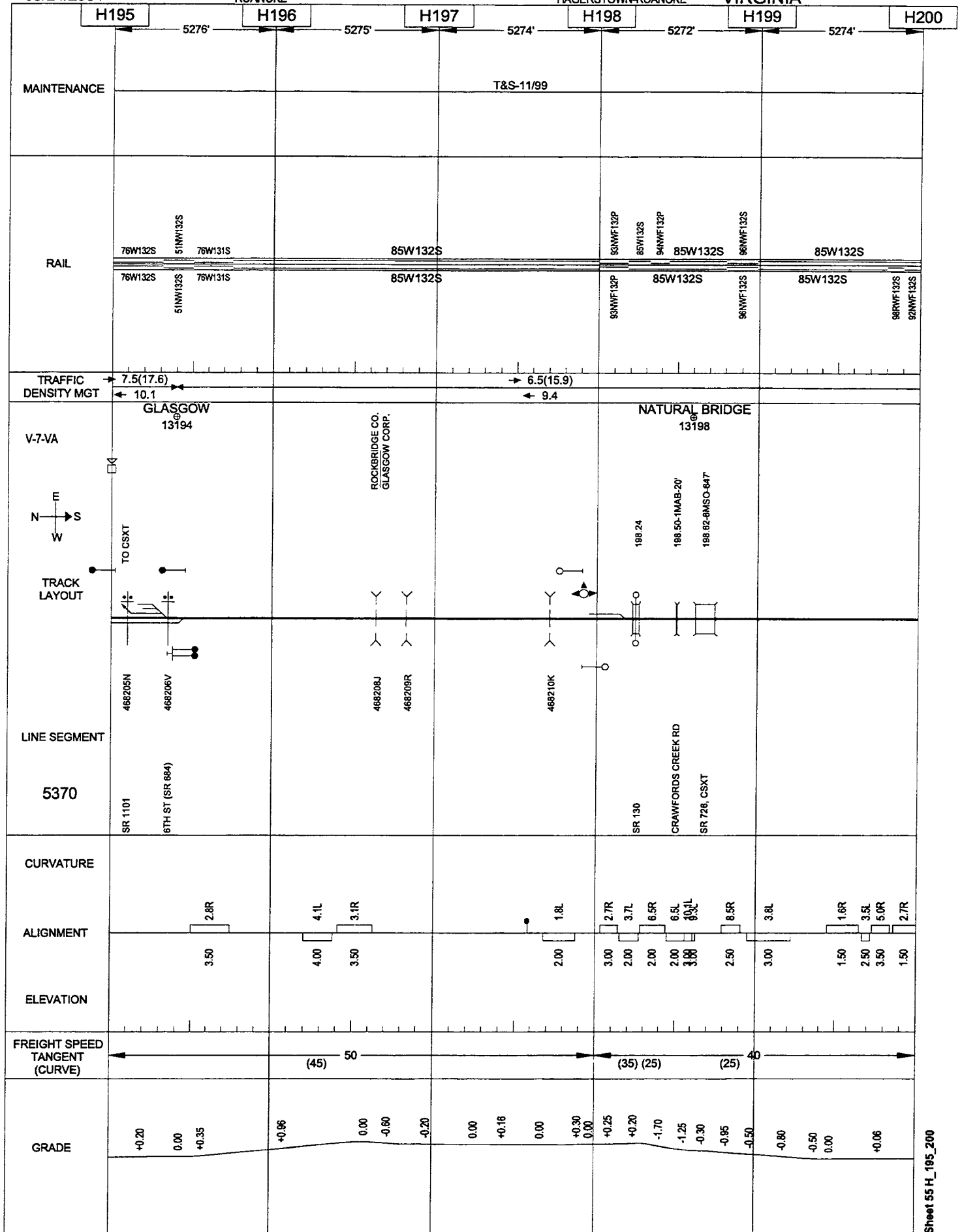
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05/24/2001

ROANOKE

HAGERSTOWN-ROANOKE

VIRGINIA

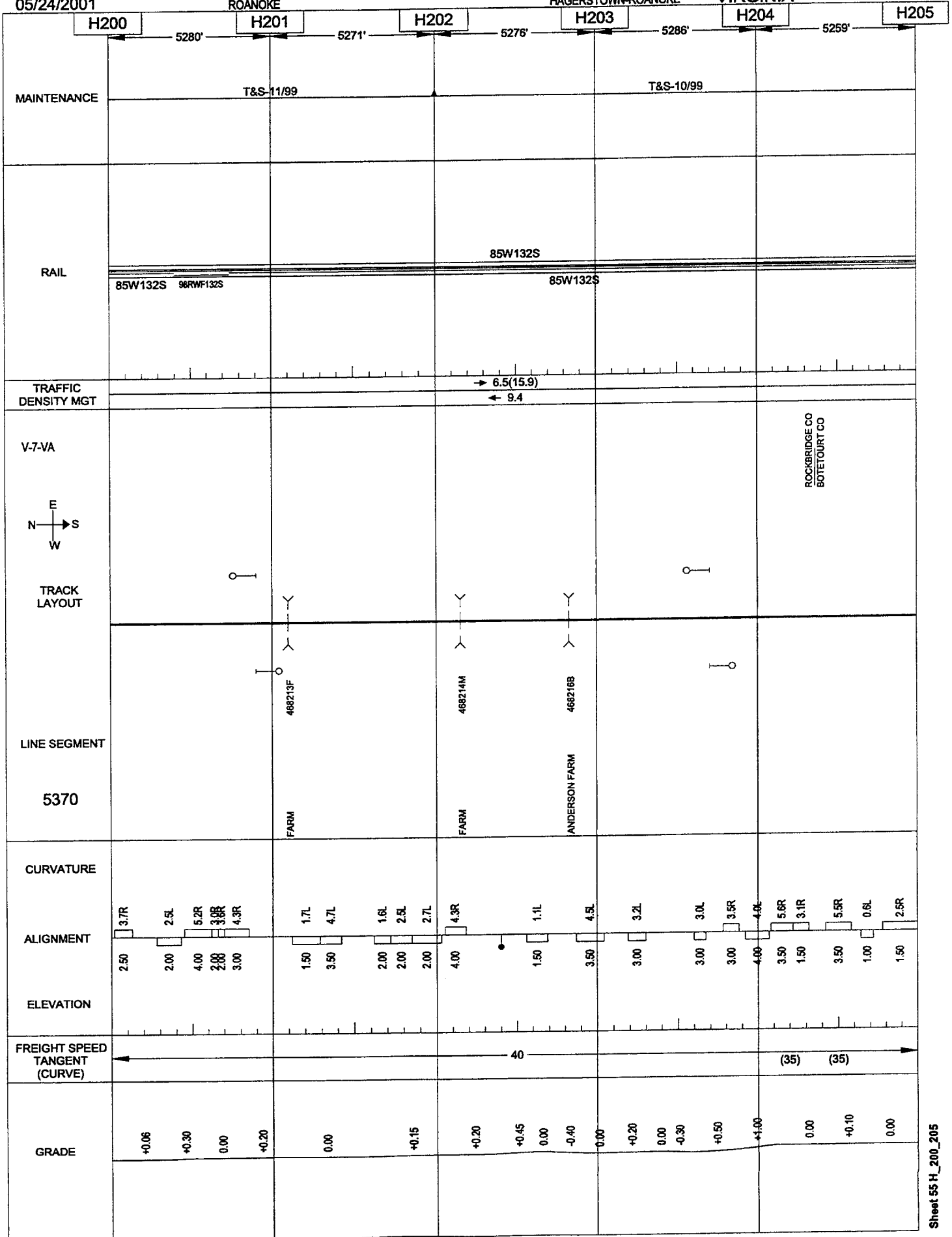


05/24/2001

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HAGERSTOWN-ROANOKE

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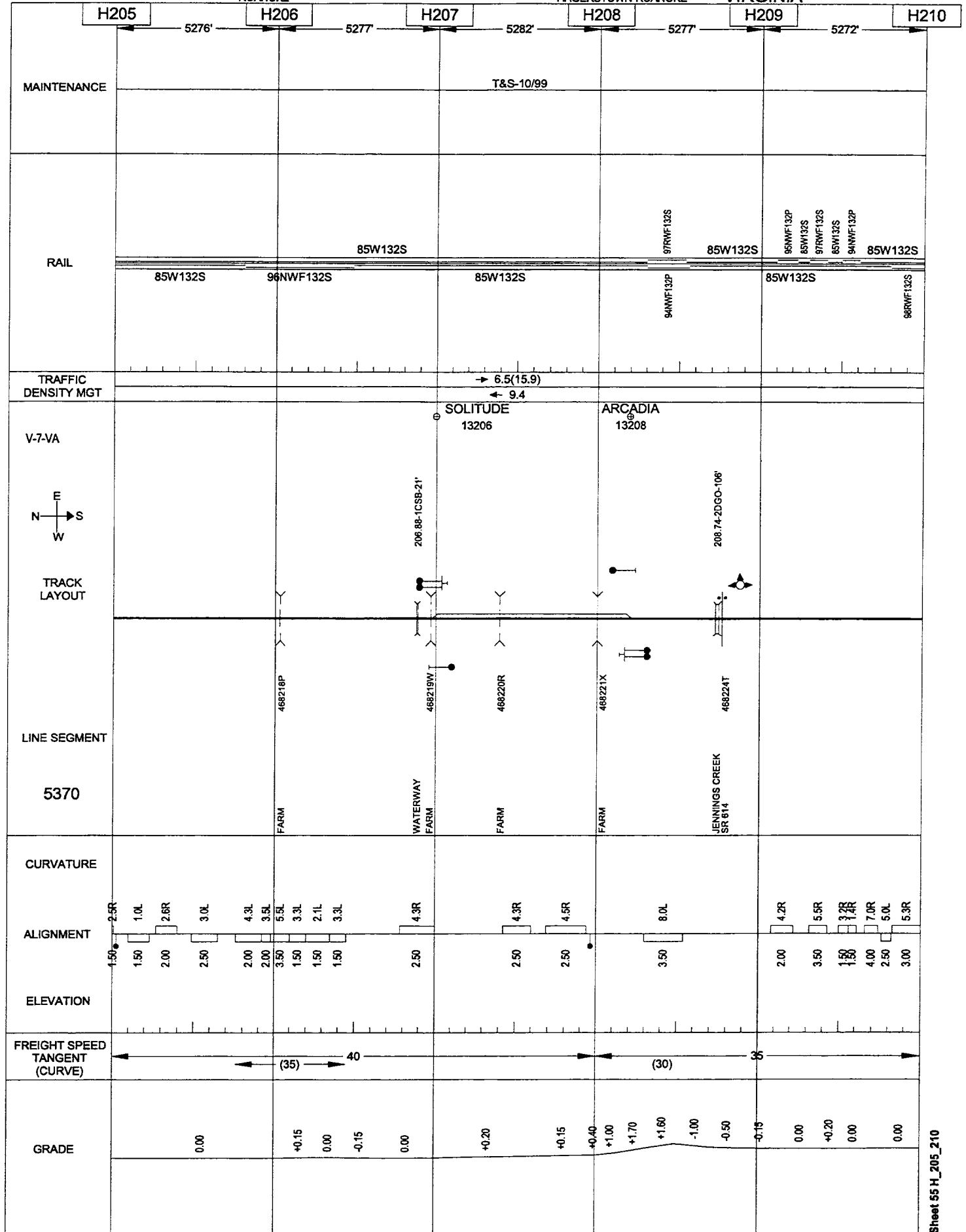


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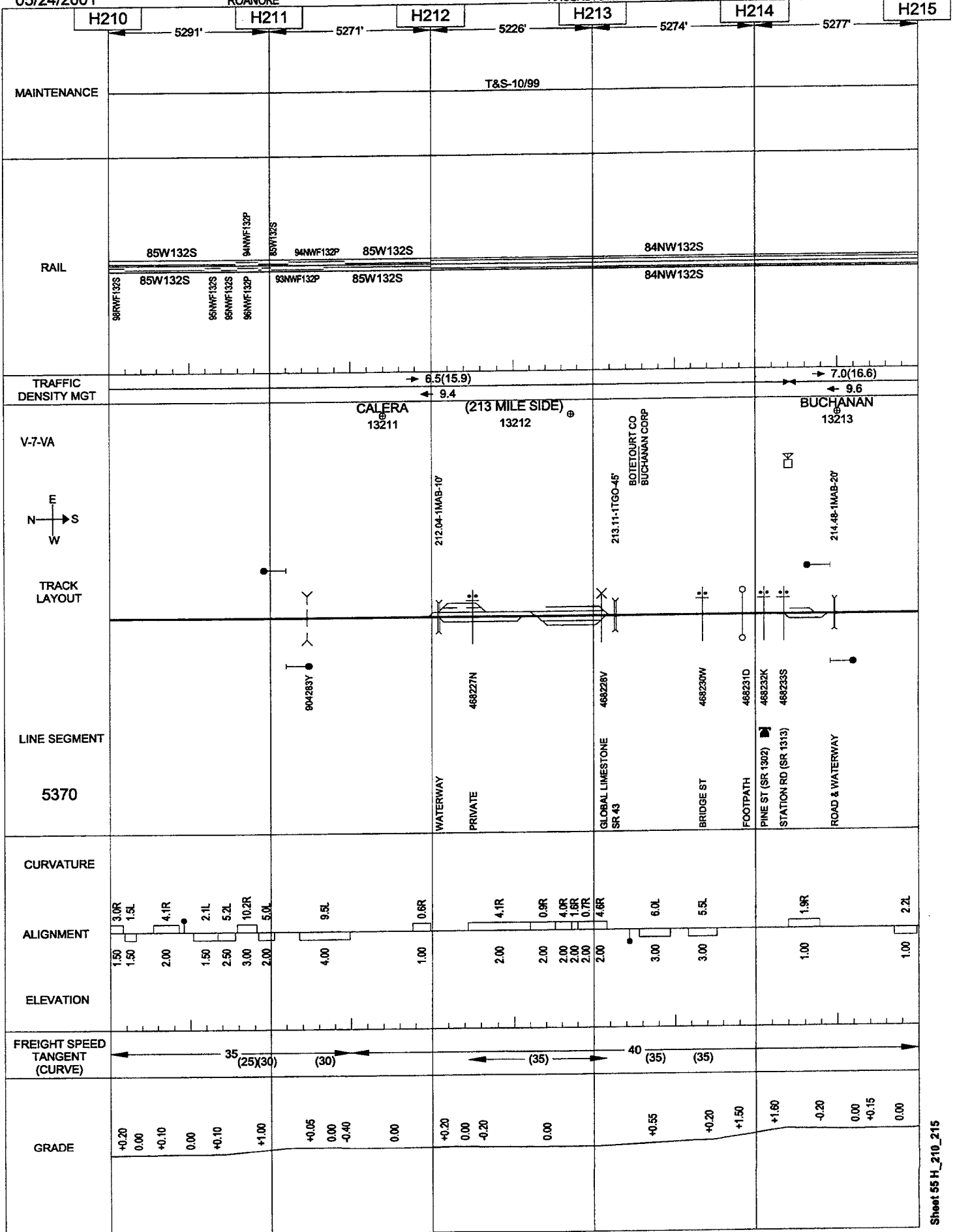


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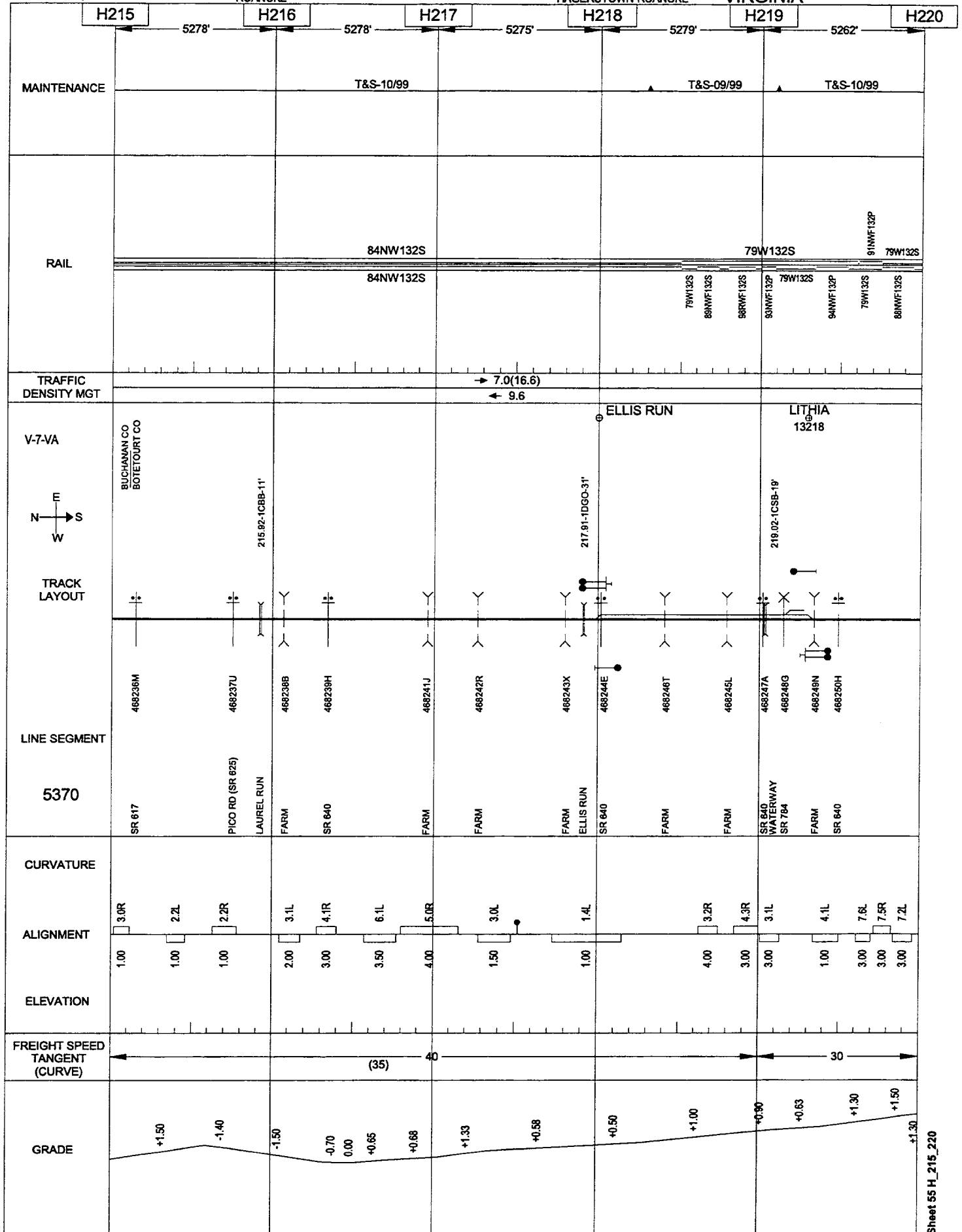


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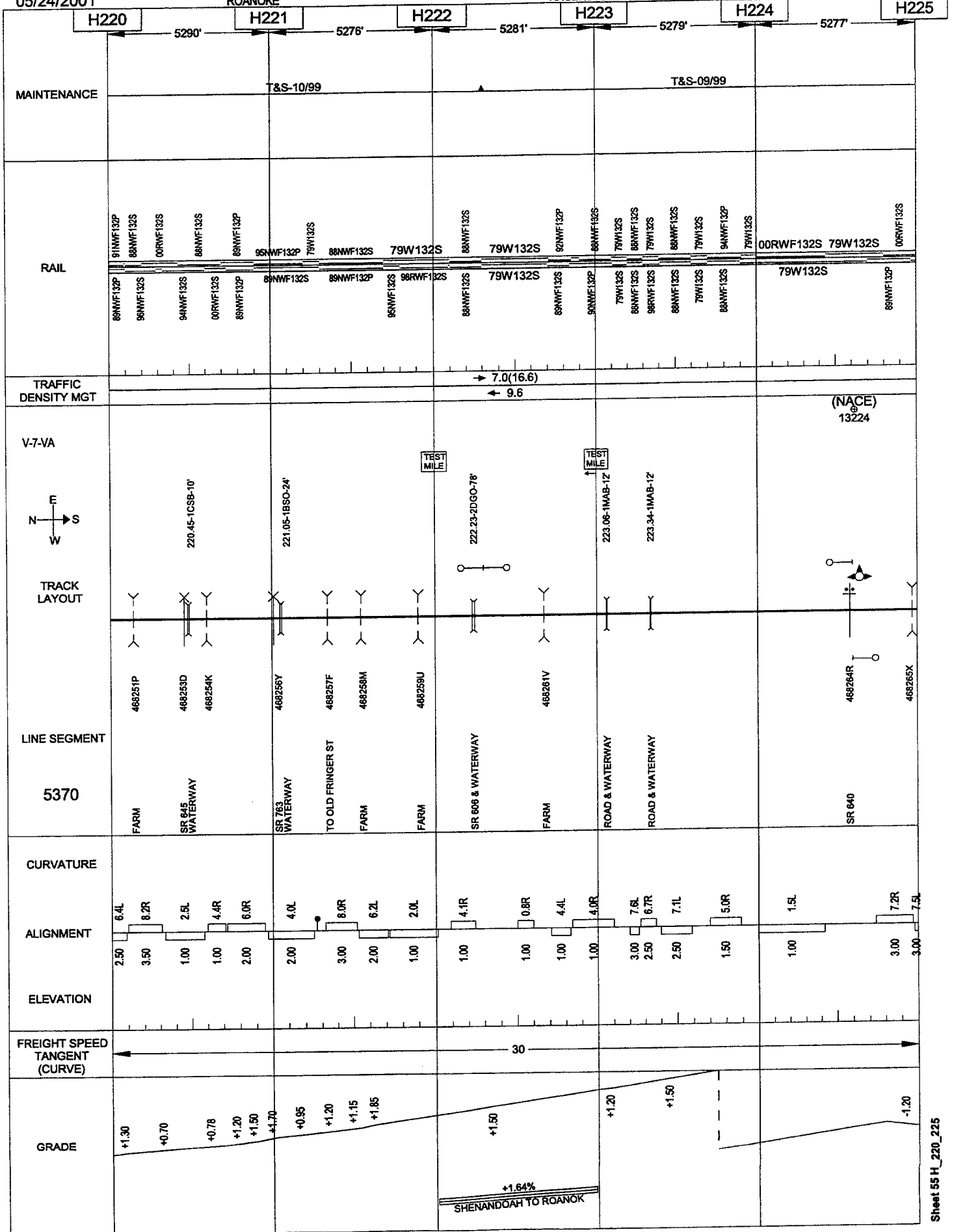


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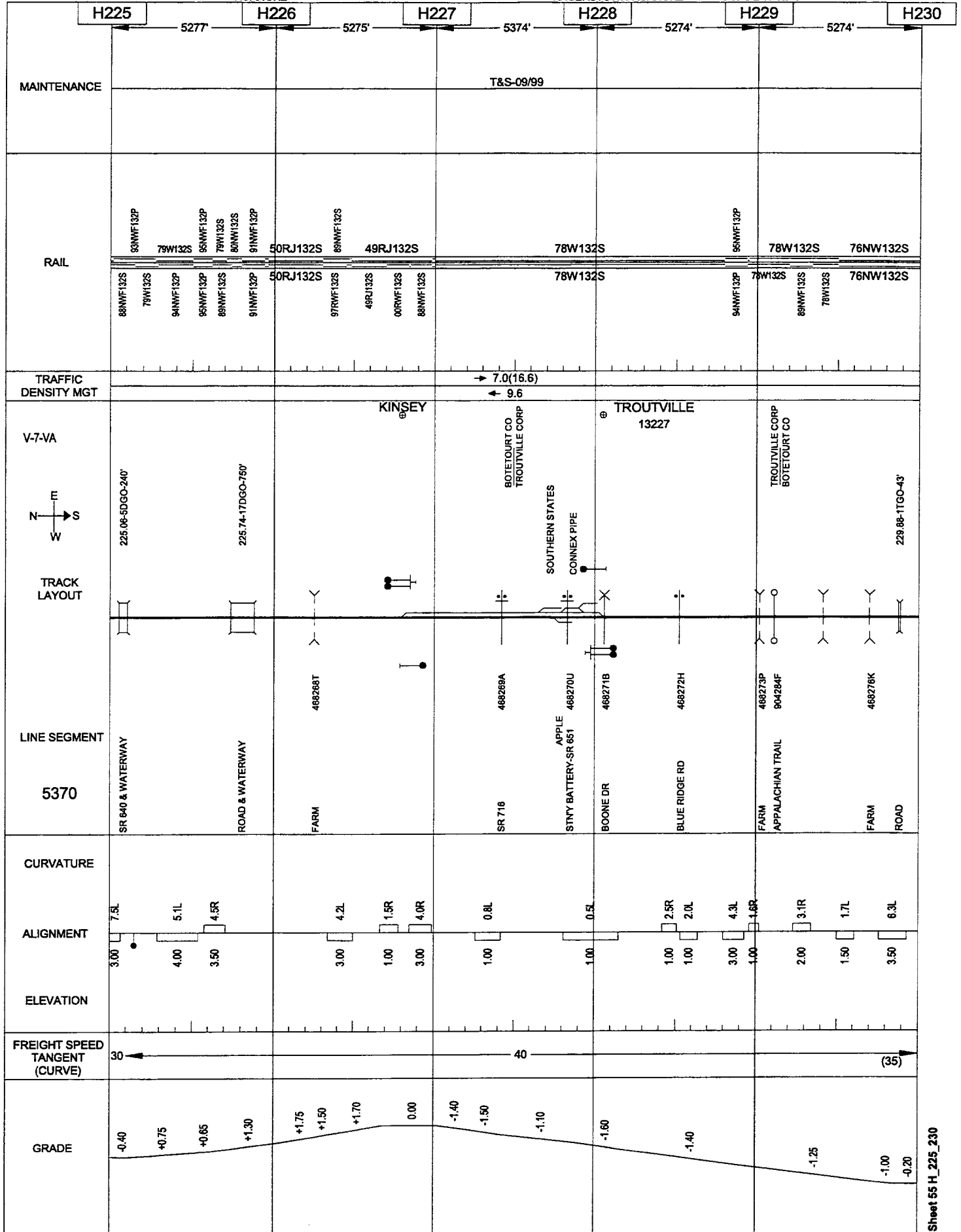


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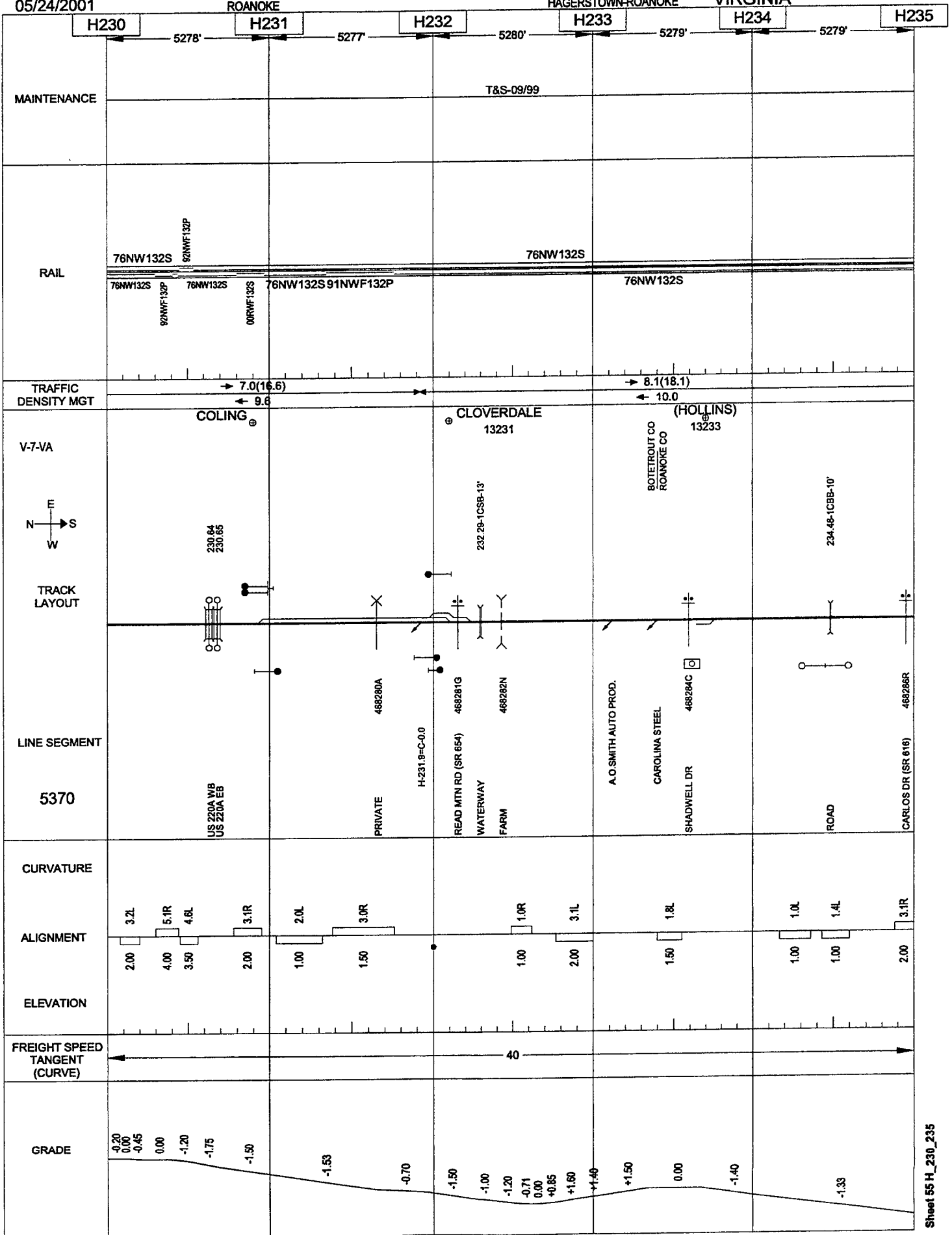


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HAGERSTOWN-ROANOKE

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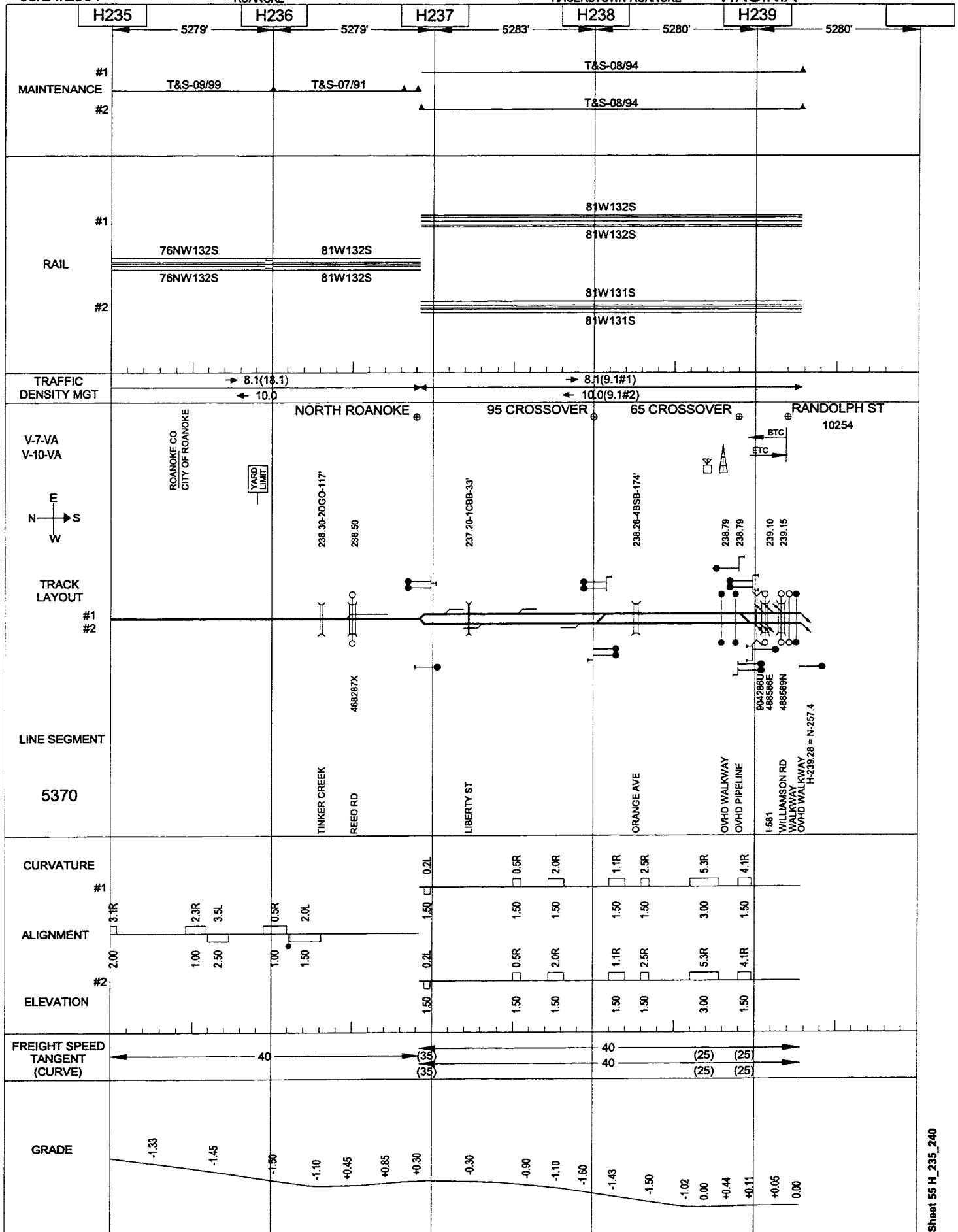


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HAGERSTOWN-ROANOKE

VIRGINIA



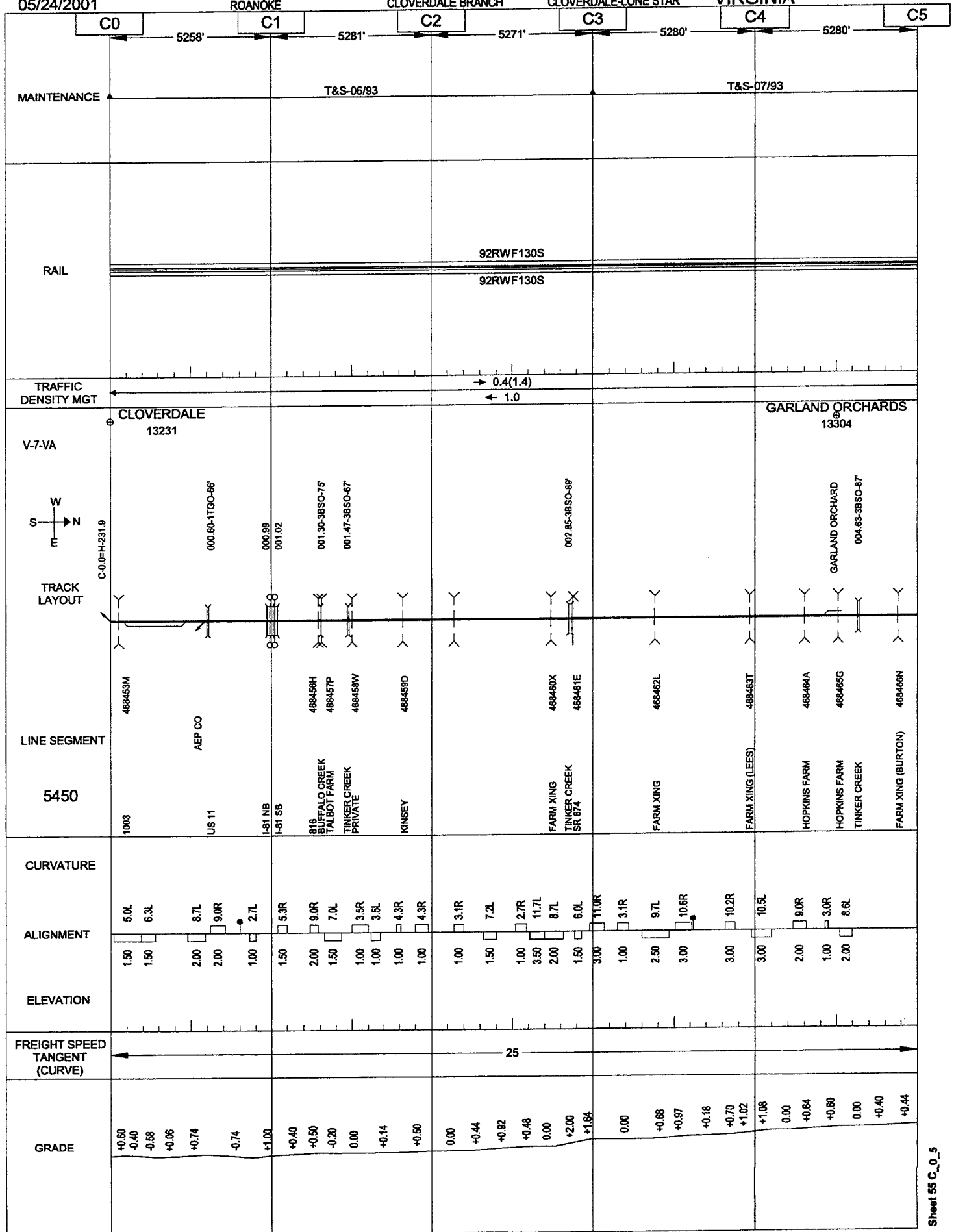
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ROANOKE

CLOVERDALE BRANCH

CLOVERDALE-LONE STAR

VIRGINIA



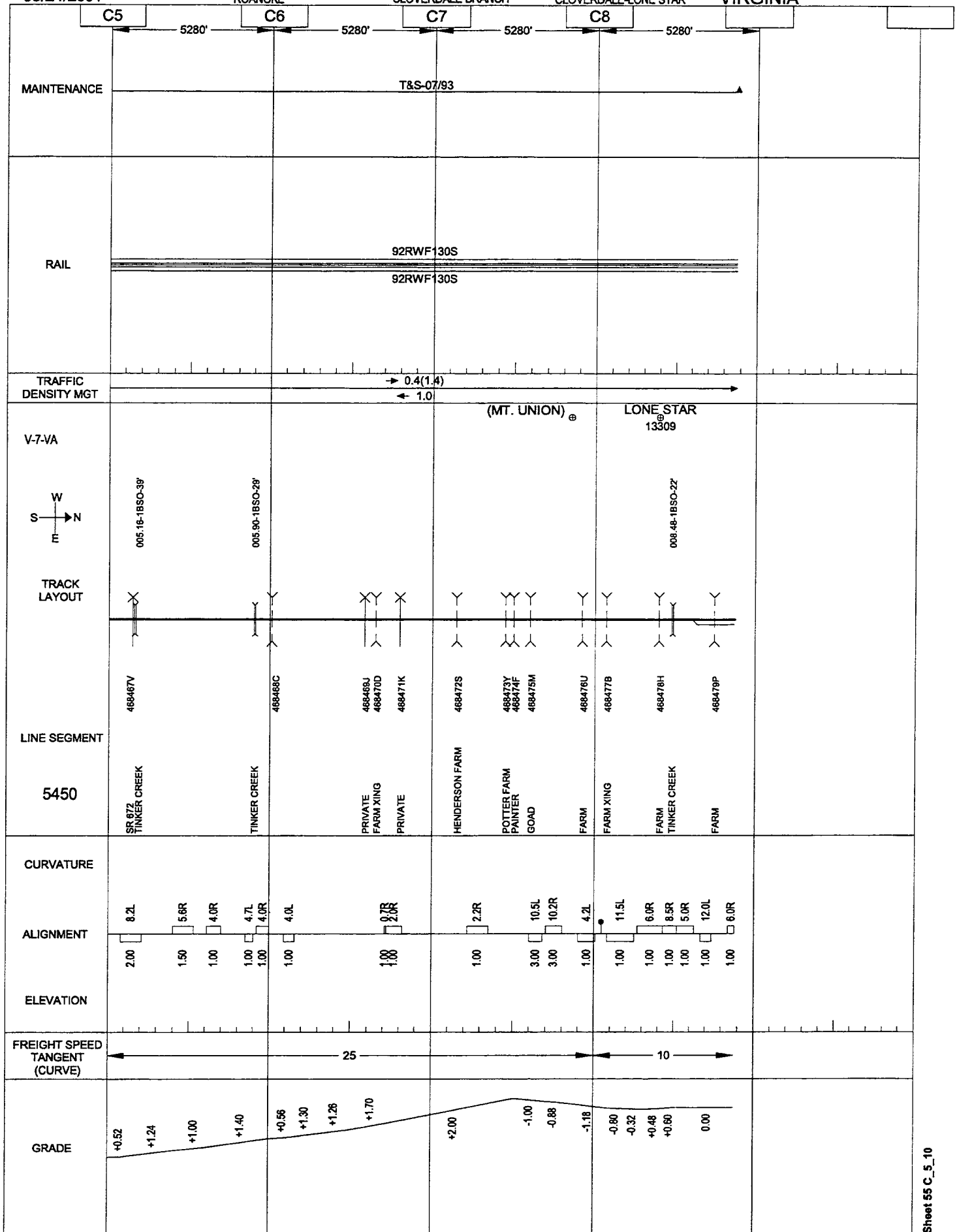
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ROANOKE

CLOVERDALE BRANCH

CLOVERDALE-LONE STAR

VIRGINIA

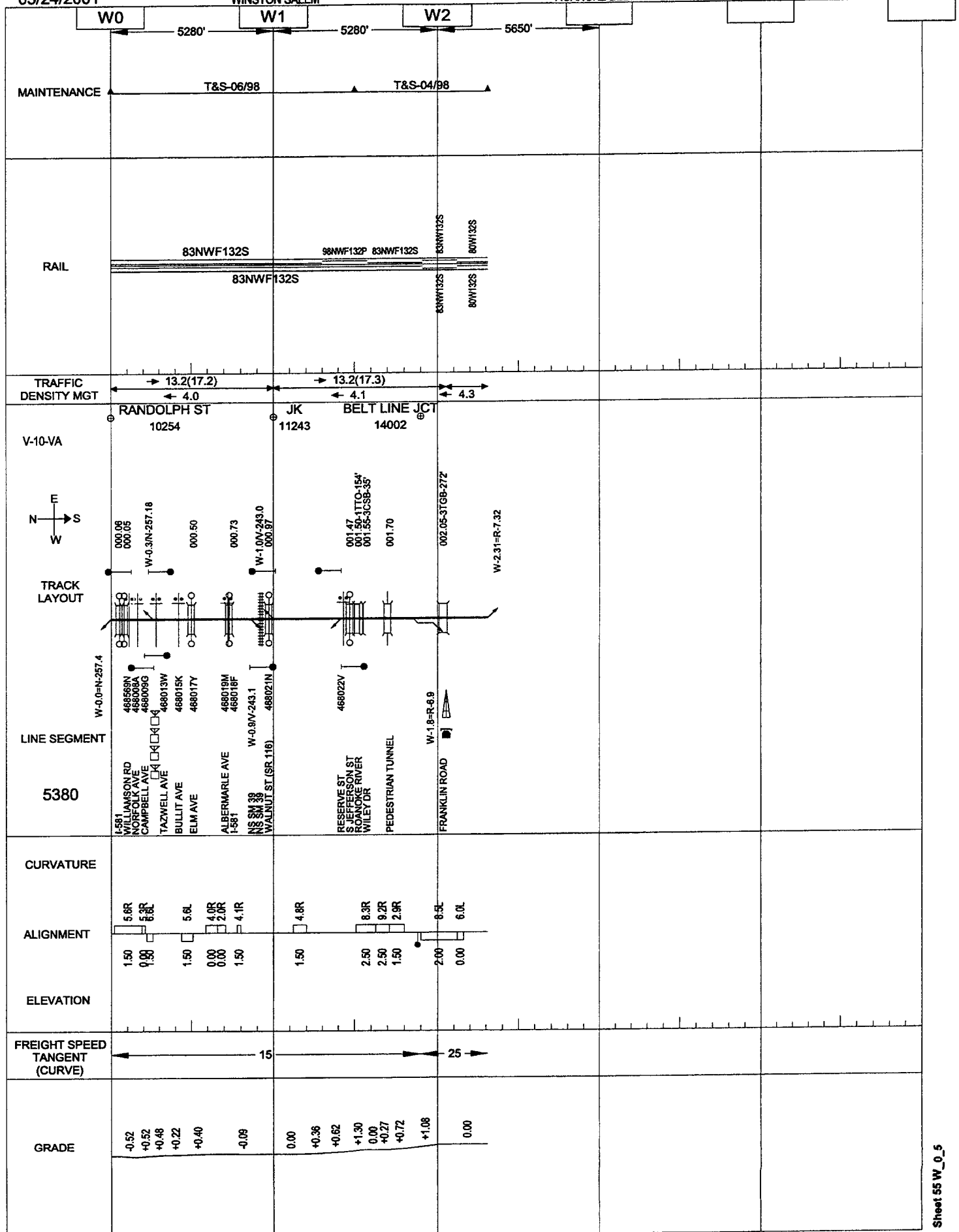


05/24/2001

WINSTON SALEM

ROANOKE-BELT LINE JCT

VIRGINIA



05/24/2001

ROANOKE TERMINAL

ROANOKE BELT LINE

BELT LINE XING-JUNCTION

VIRGINIA

R4

R5

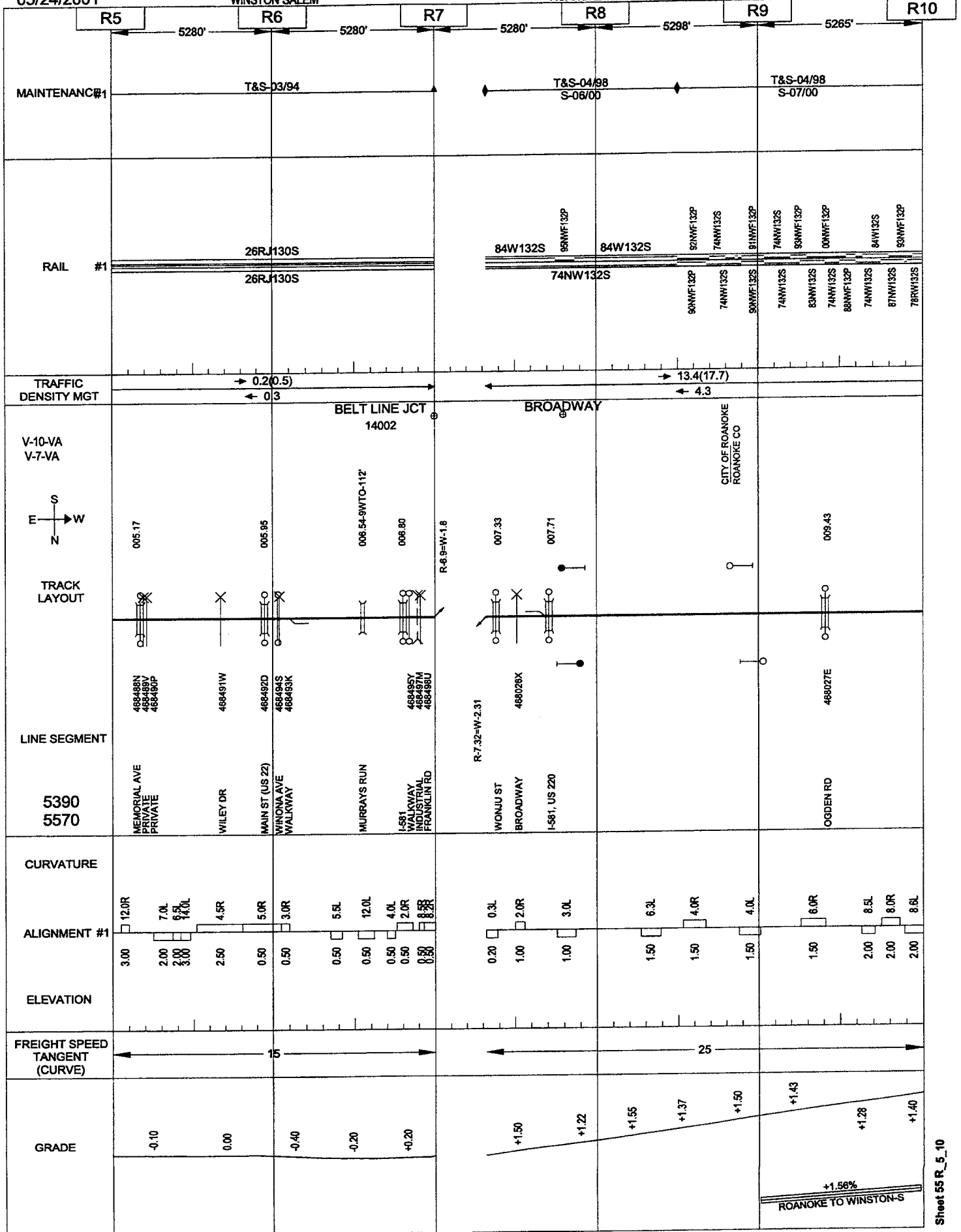
				5280'	5280'	
MAINTENANCE					T&S-03/94	
RAIL					26RJ130S 26RJ130S	
TRAFFIC DENSITY MGT					0.2(0.5) 0.3	
V-10-VA					BELT LINE CROSSING	
<div style="text-align: center;"> S E — W N </div> TRACK LAYOUT				R-3 33-N-280.74 003.51-7MSQ-233' R-3 55/V-246.4		
LINE SEGMENT				TO RDWAY MATL YARD ROANOKE RIVER N&W RY VA SCRAP IRON RD 468480J 468481R 468482X 468483E 468486A 468487G BRIDGE ST PRIVATE BEDFORD ST		
5570						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)					15	
GRADE					-0.10 -0.70 -0.10	

05/24/2001

WINSTON SALEM

ROANOKE-WINSTON SALEM

VIRGINIA

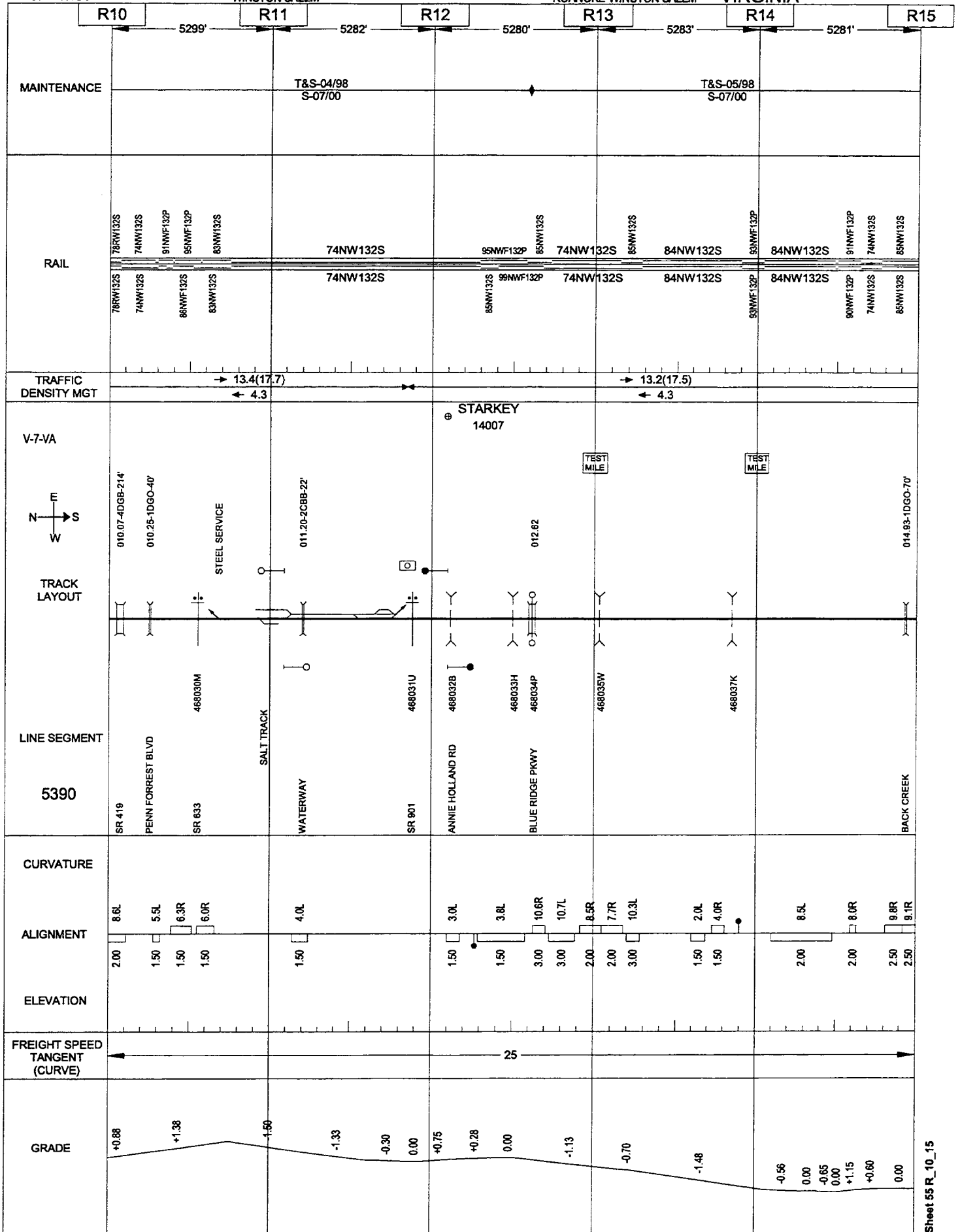


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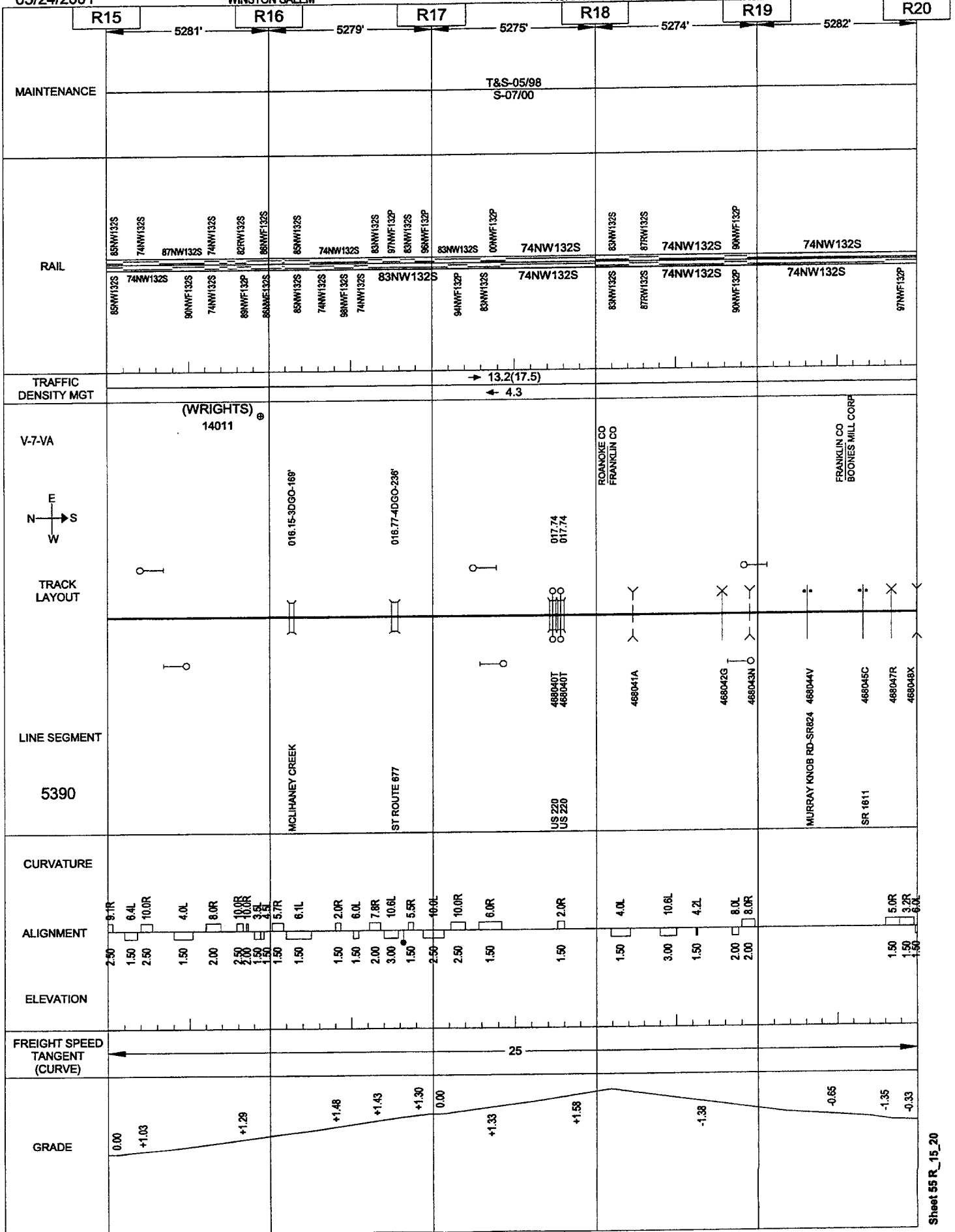


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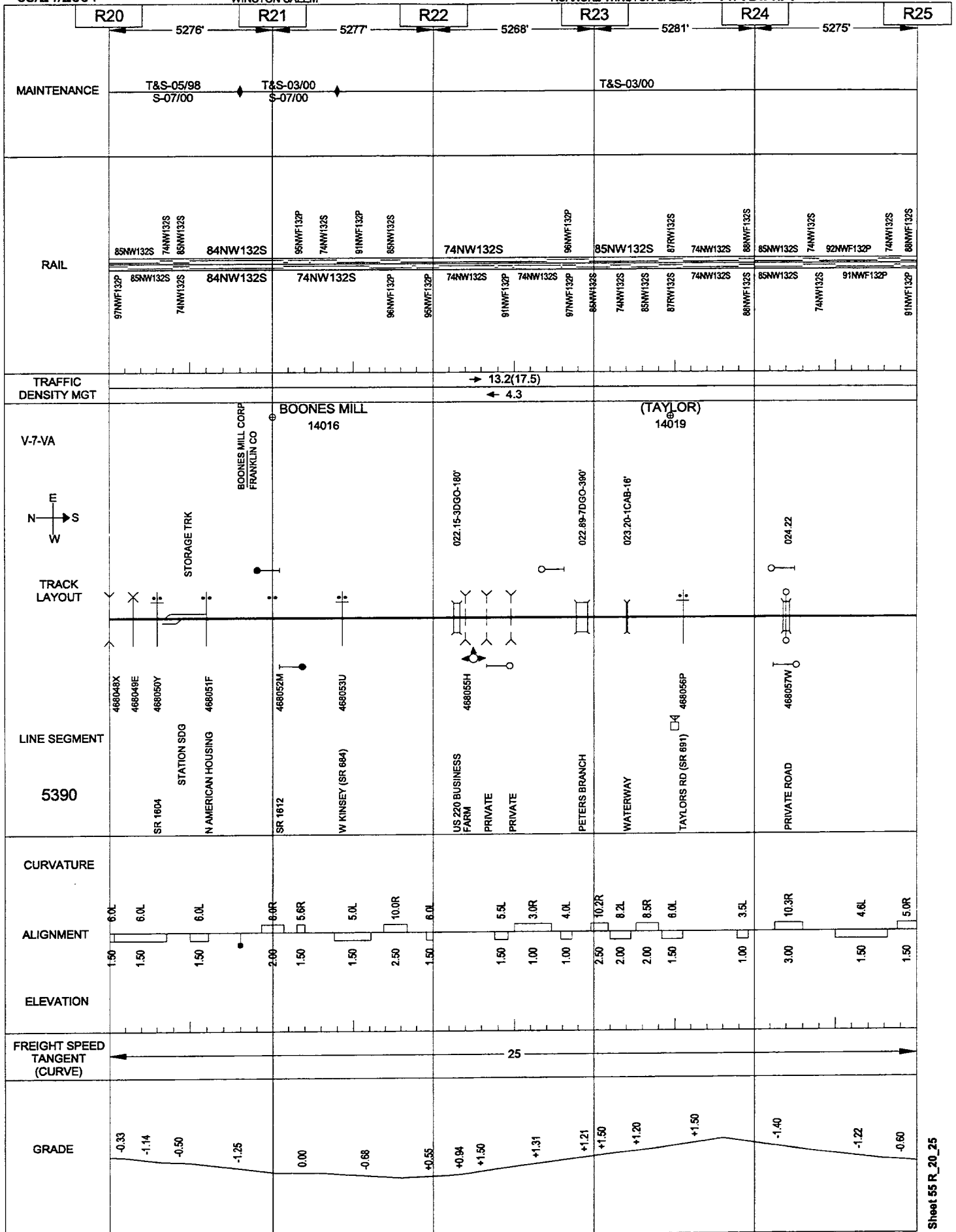


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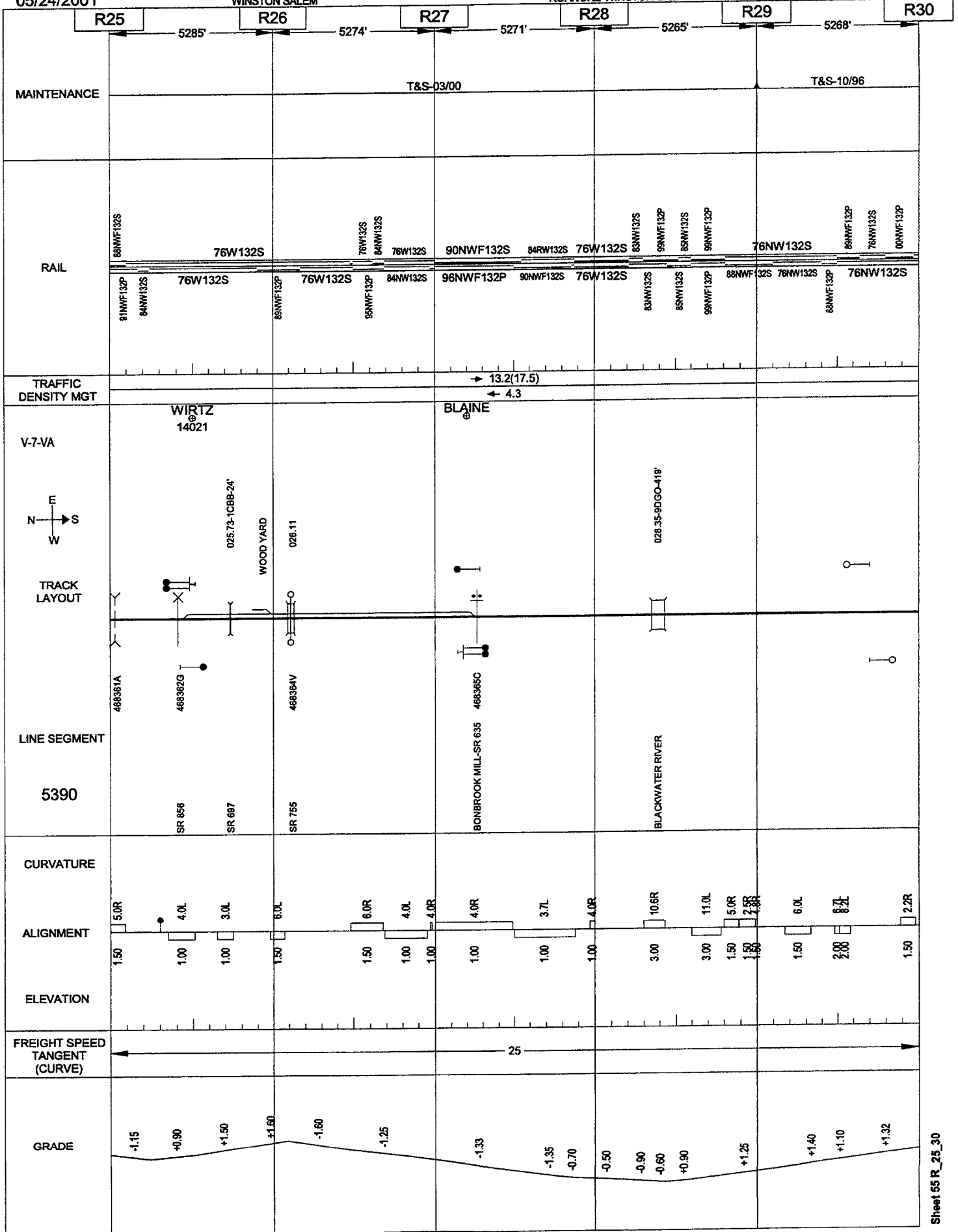


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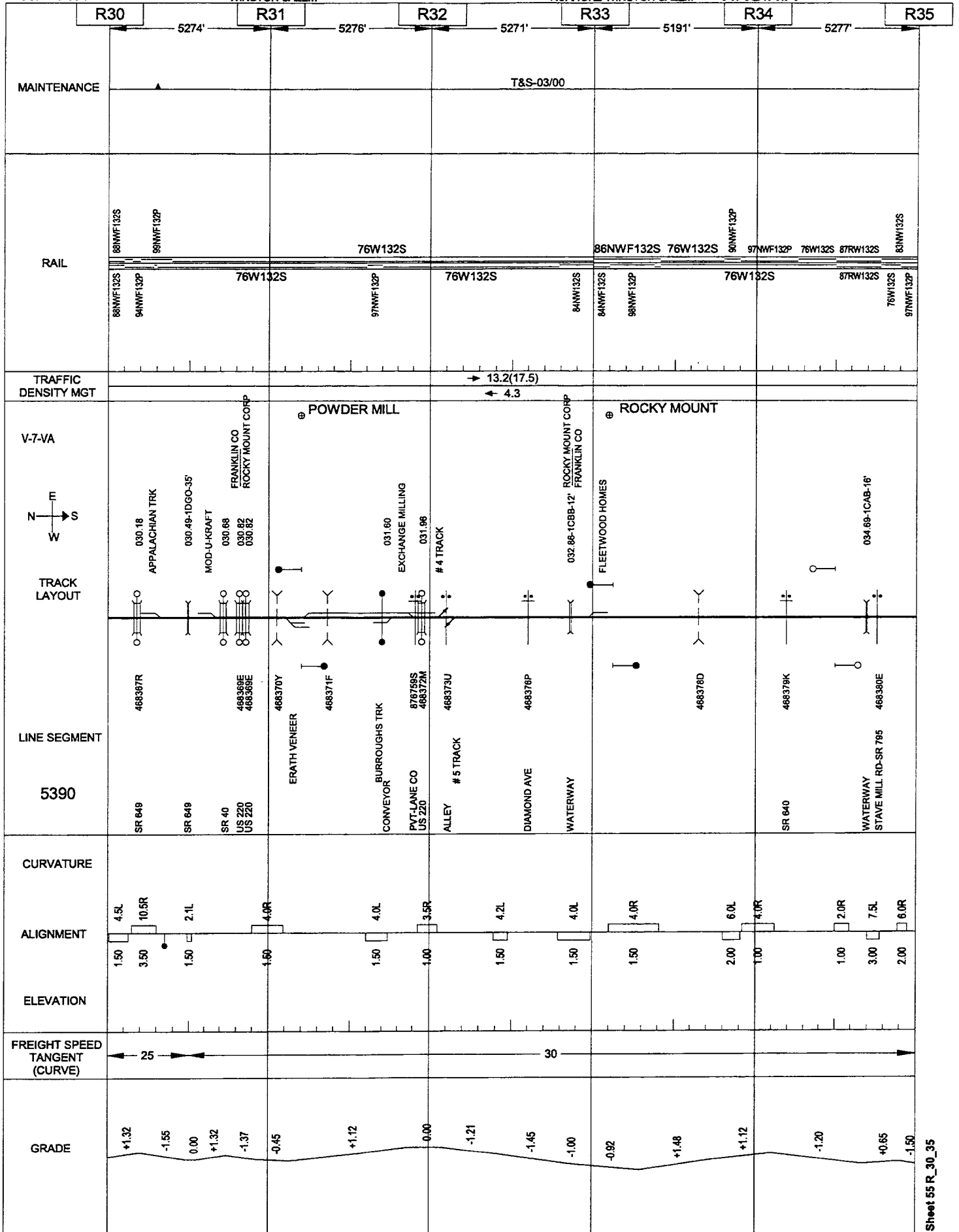


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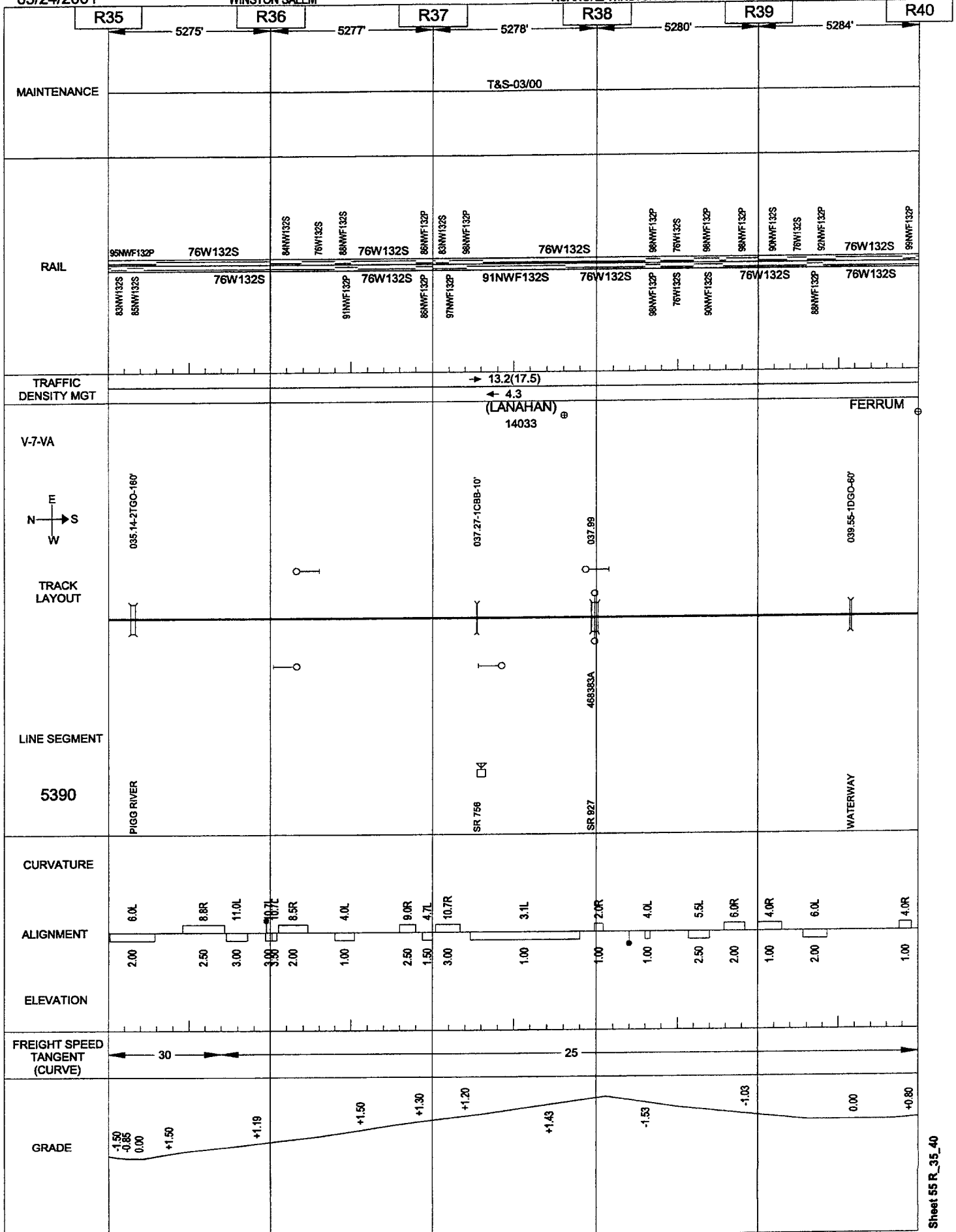


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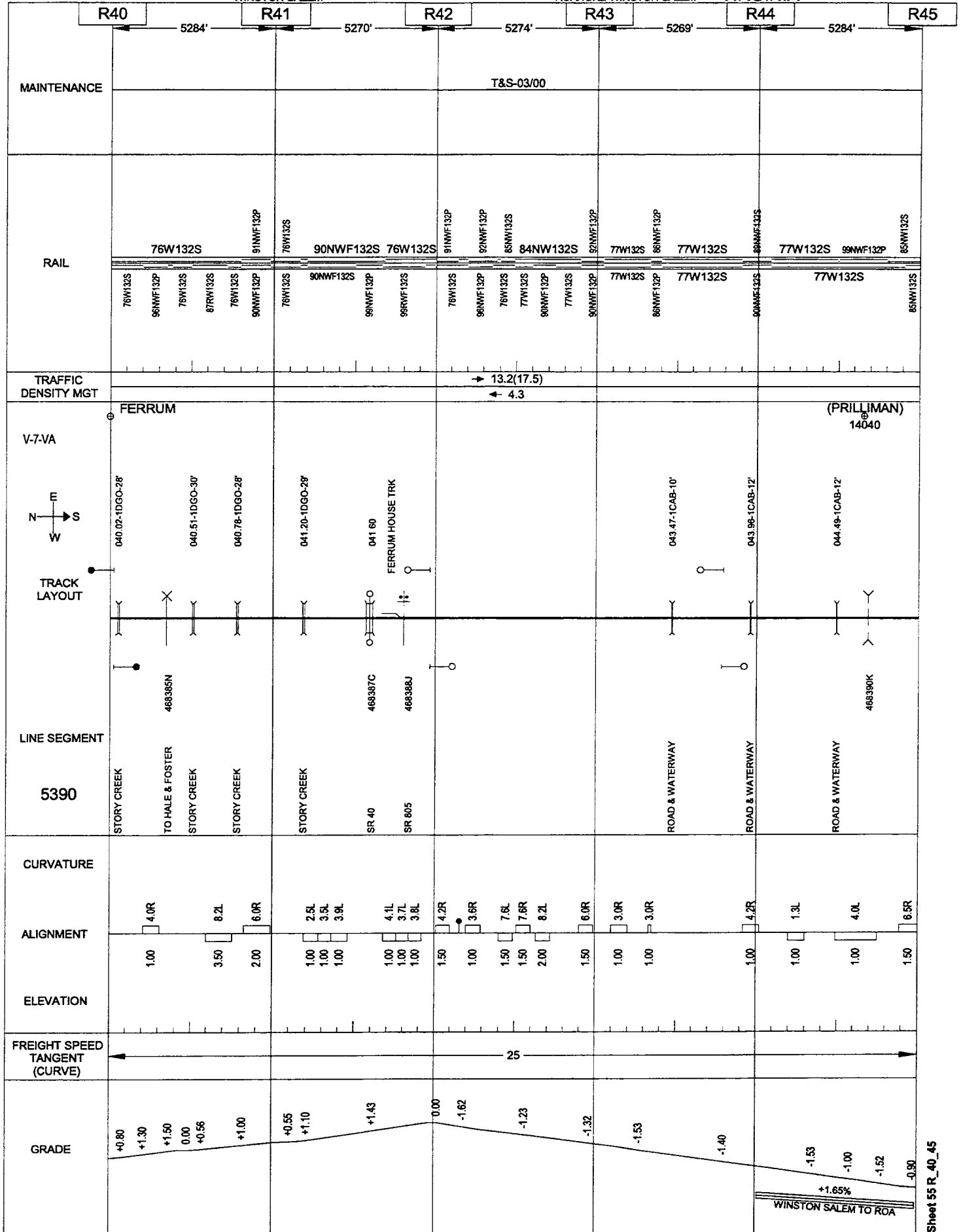


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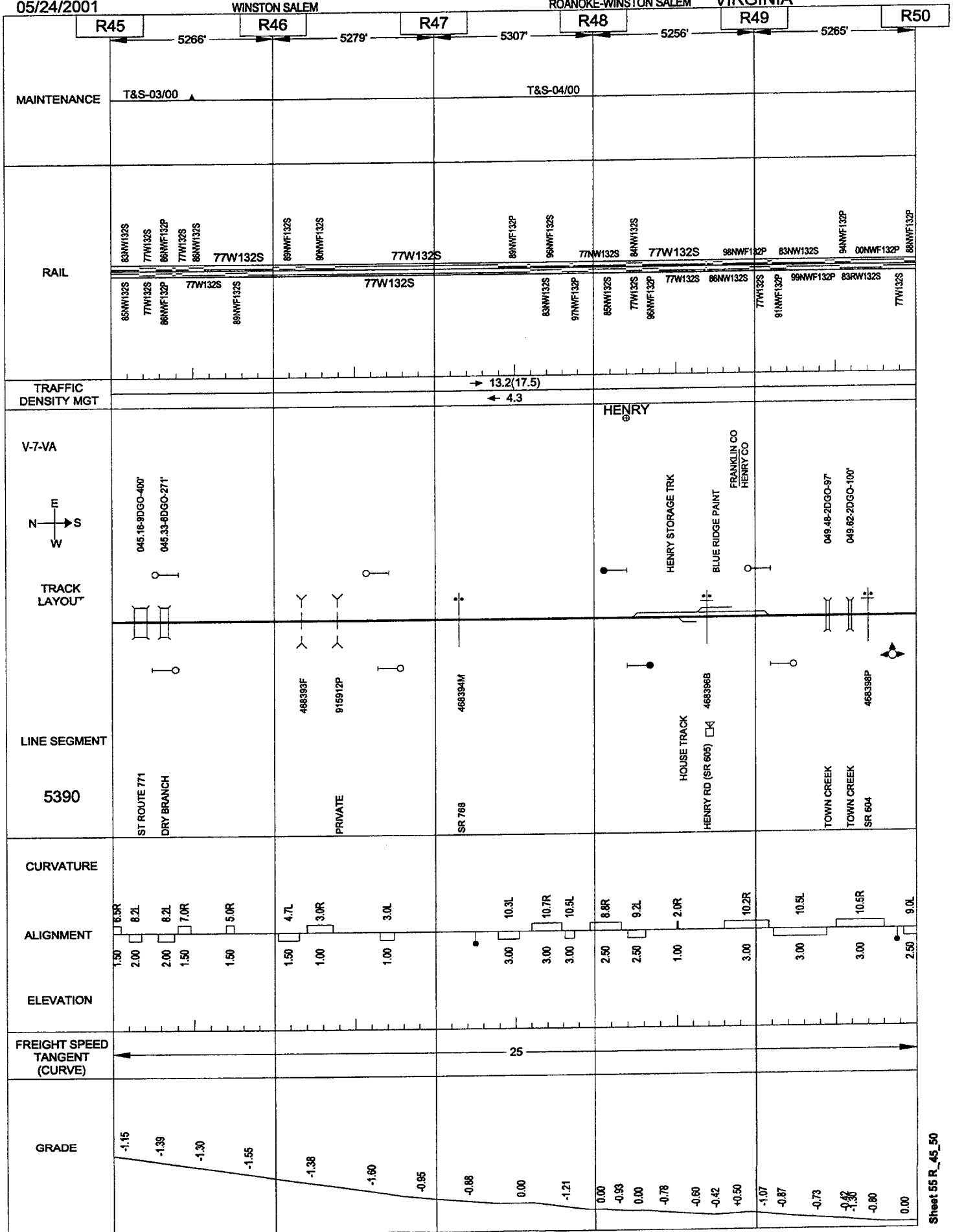


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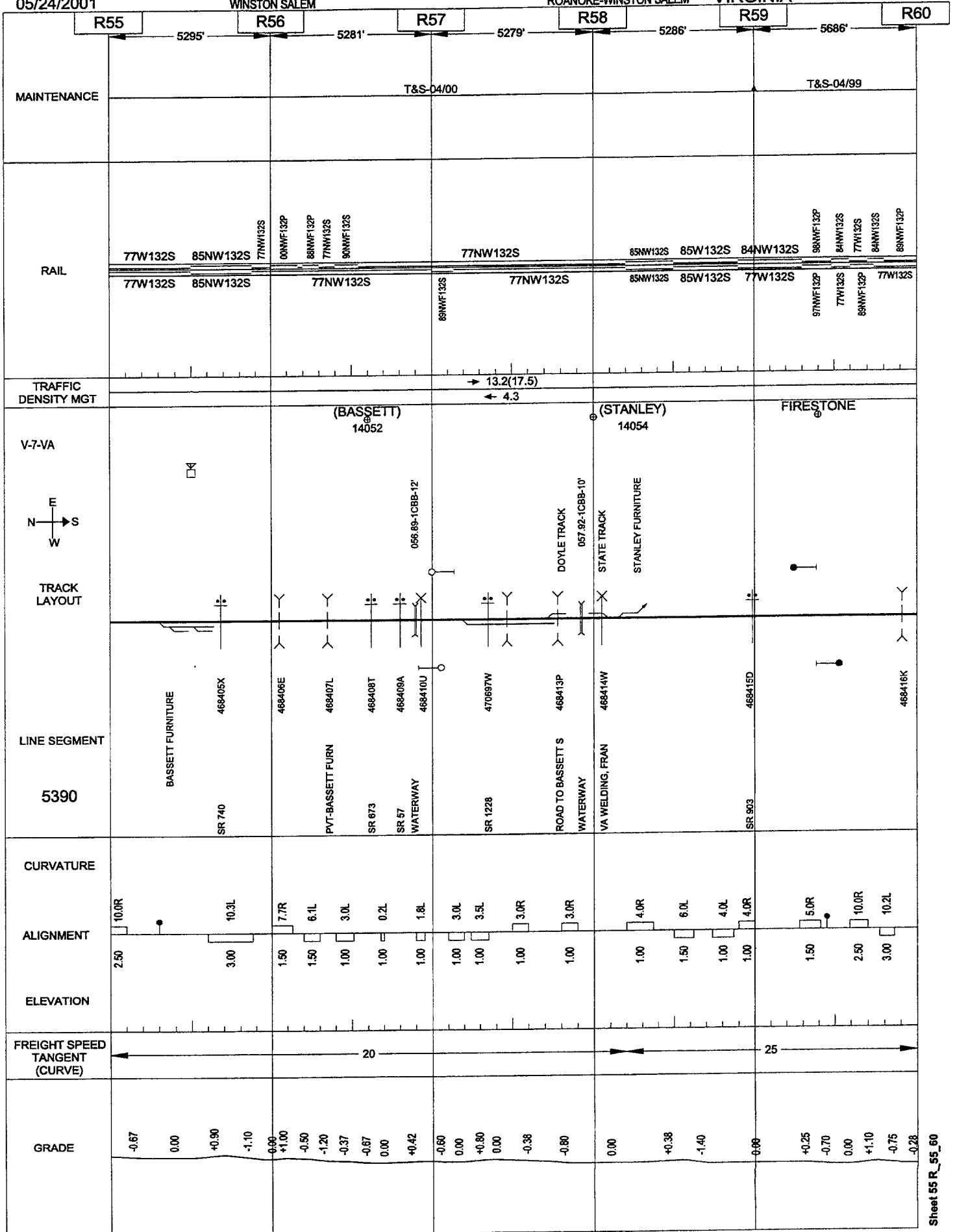
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05/24/2001

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ROANOKE-WINSTON SALEM

VIRGINIA



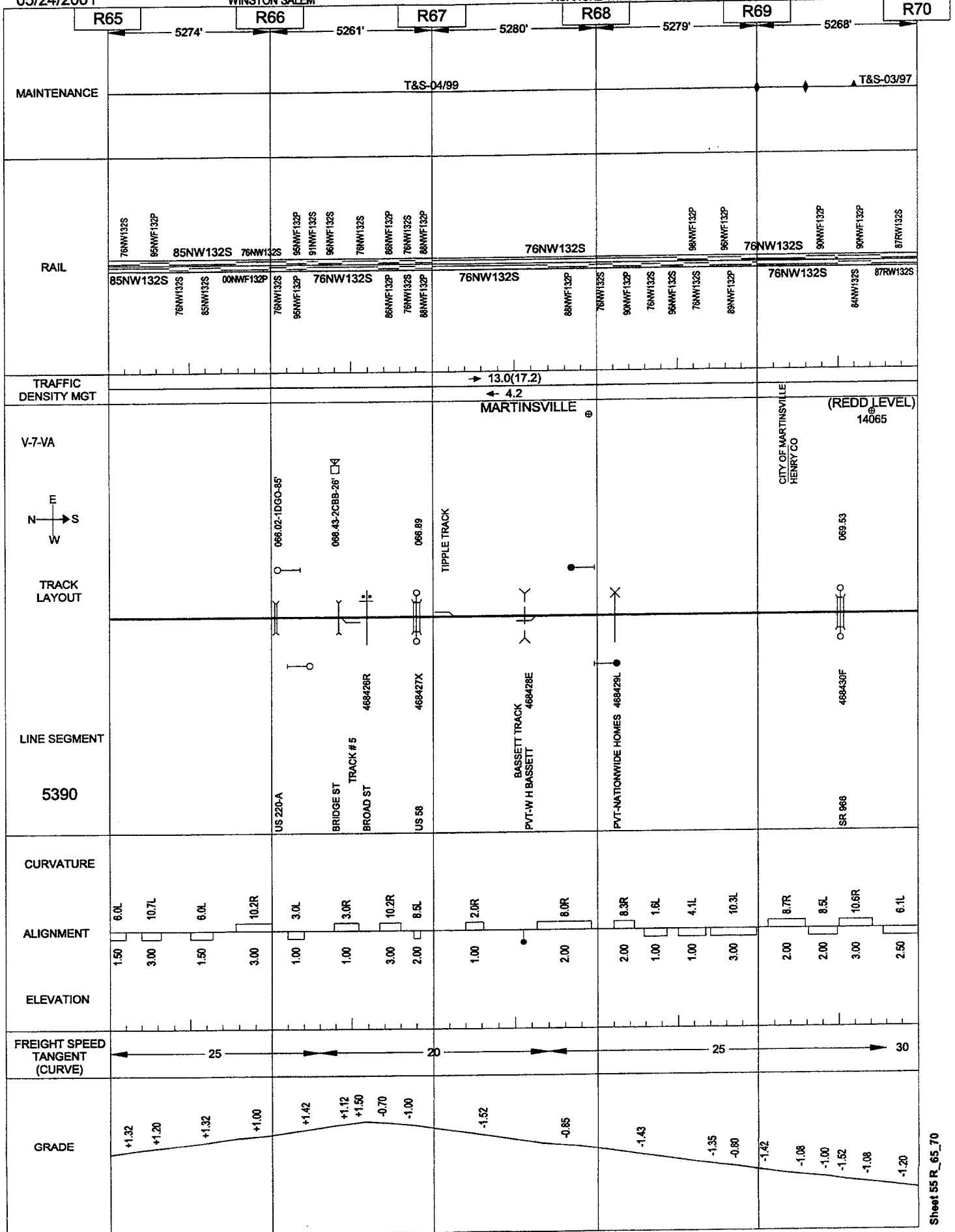
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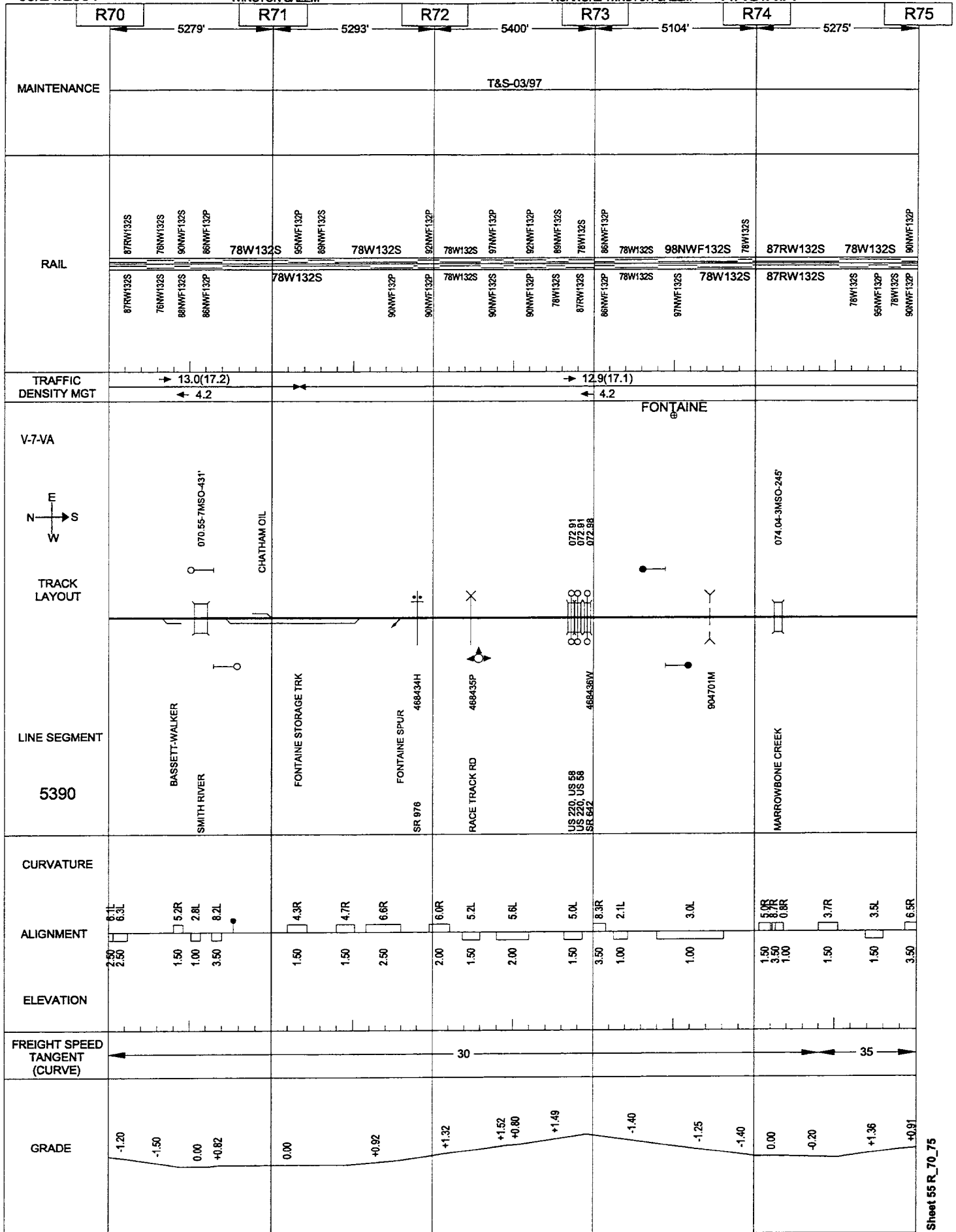


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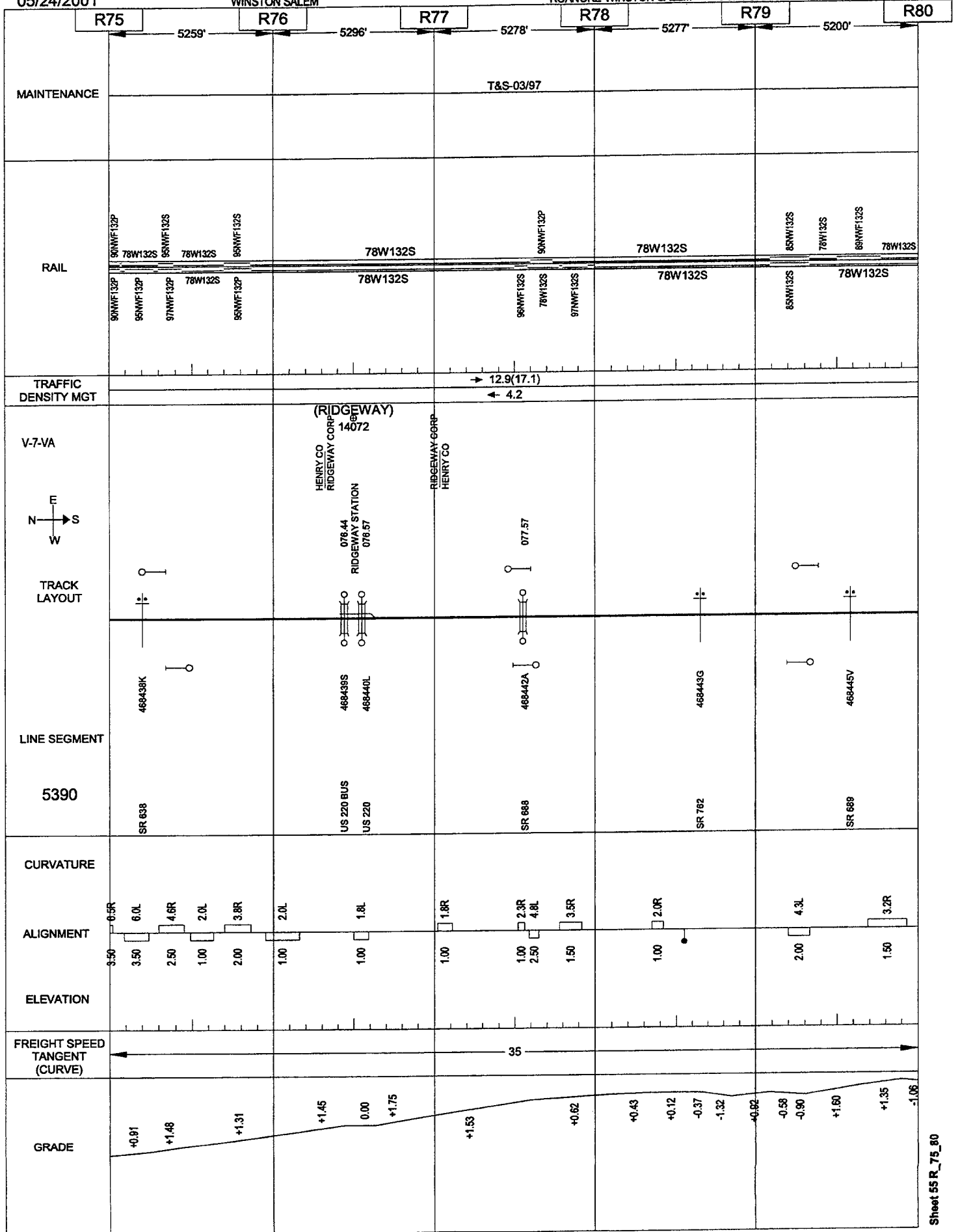


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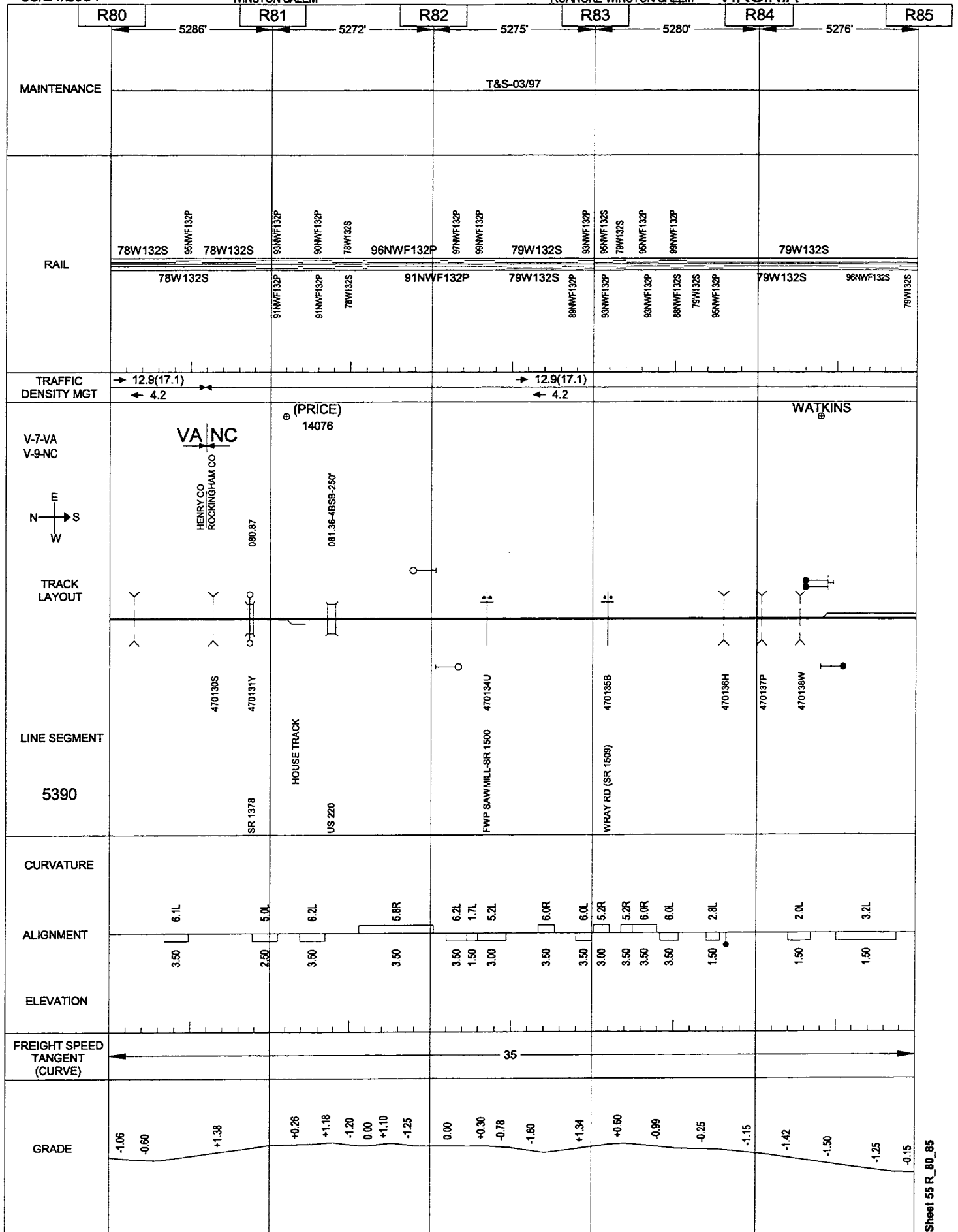


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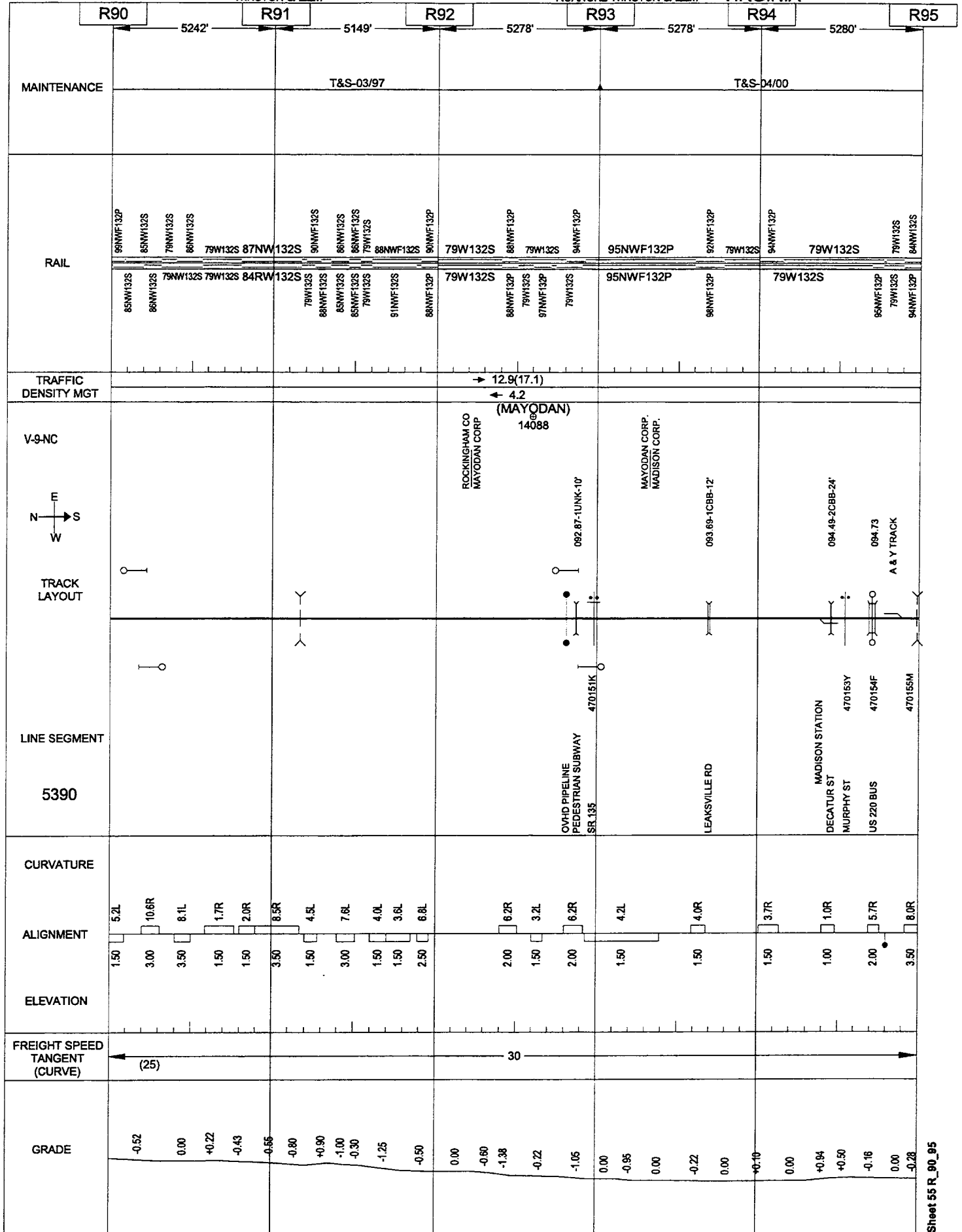
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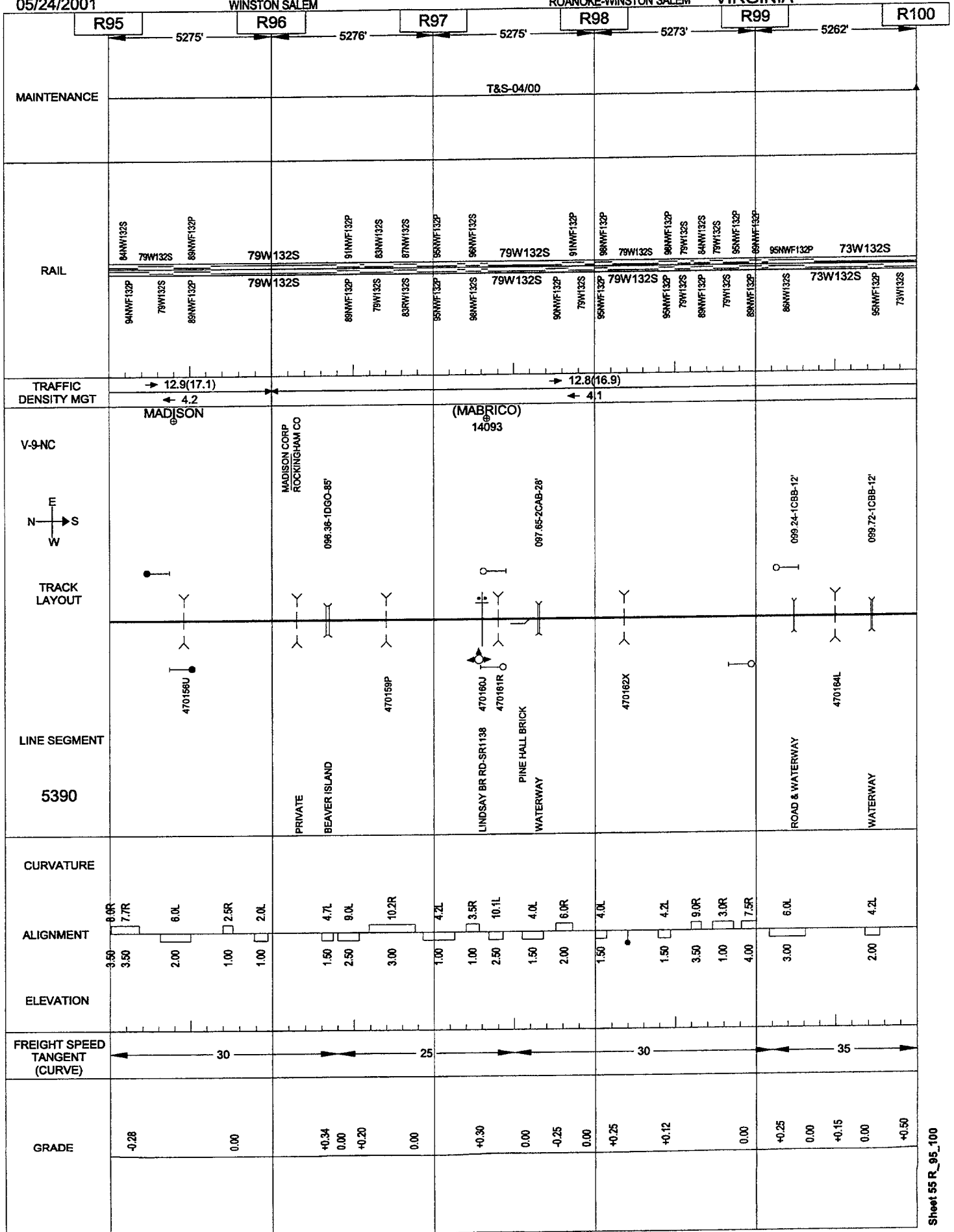


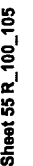
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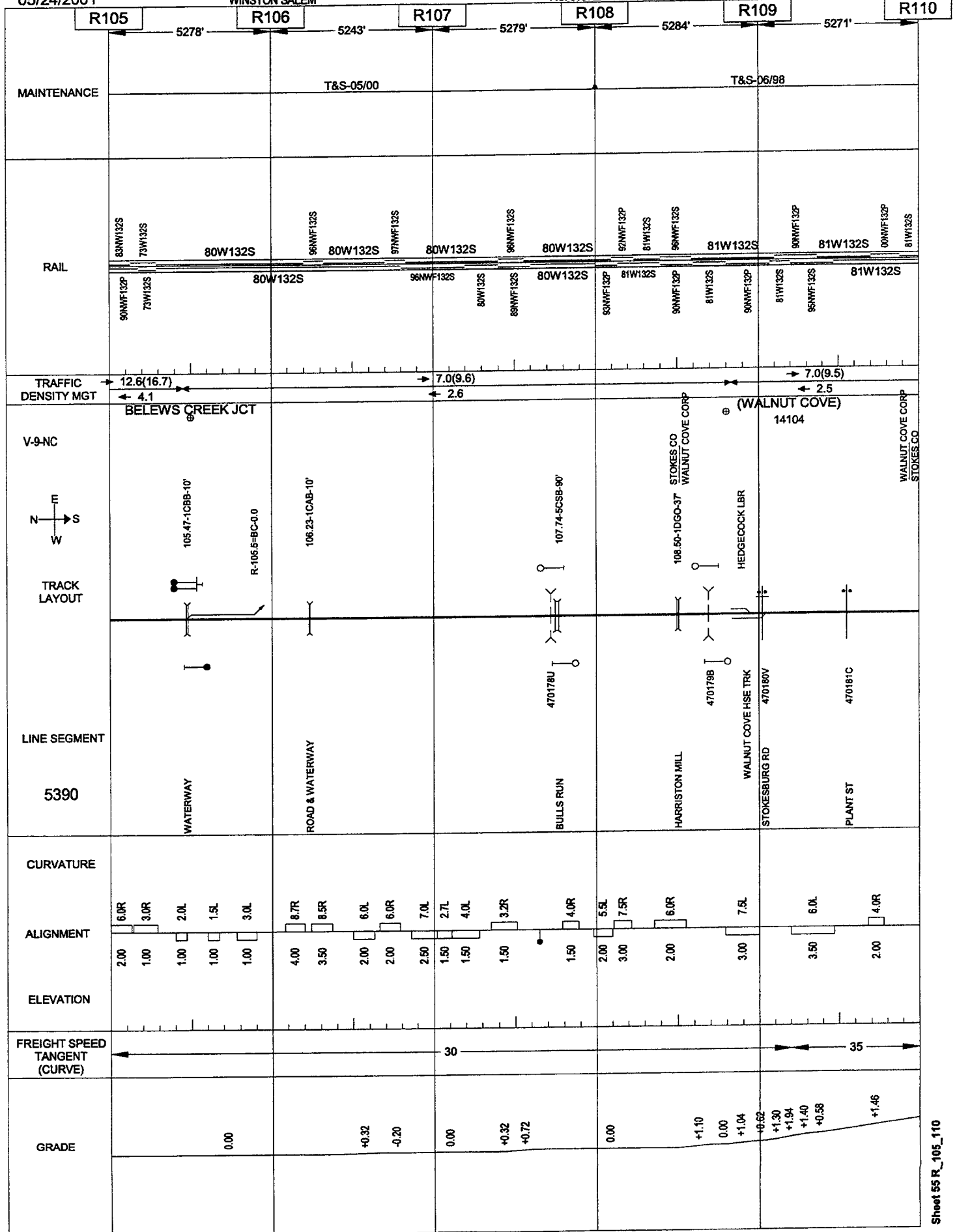


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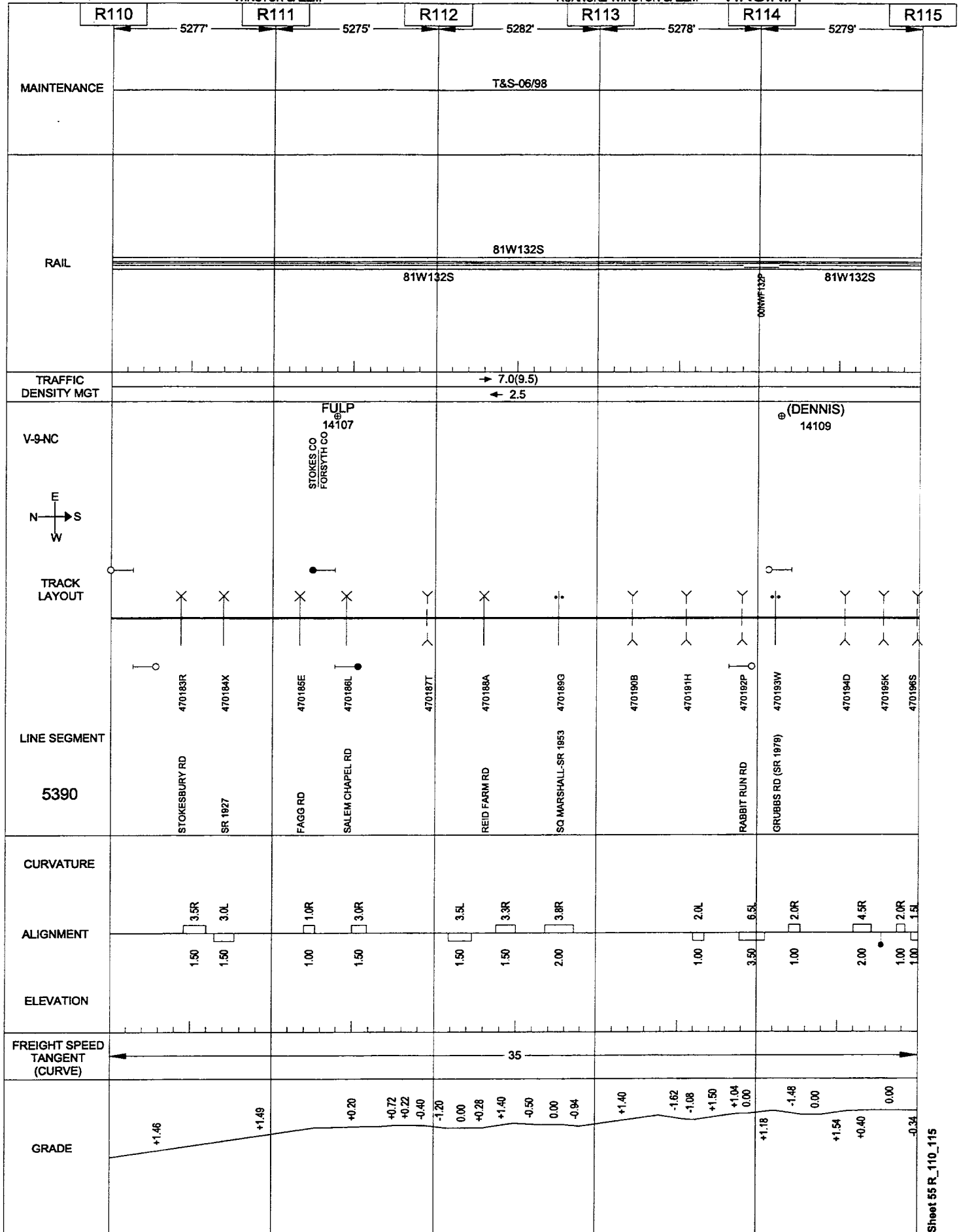


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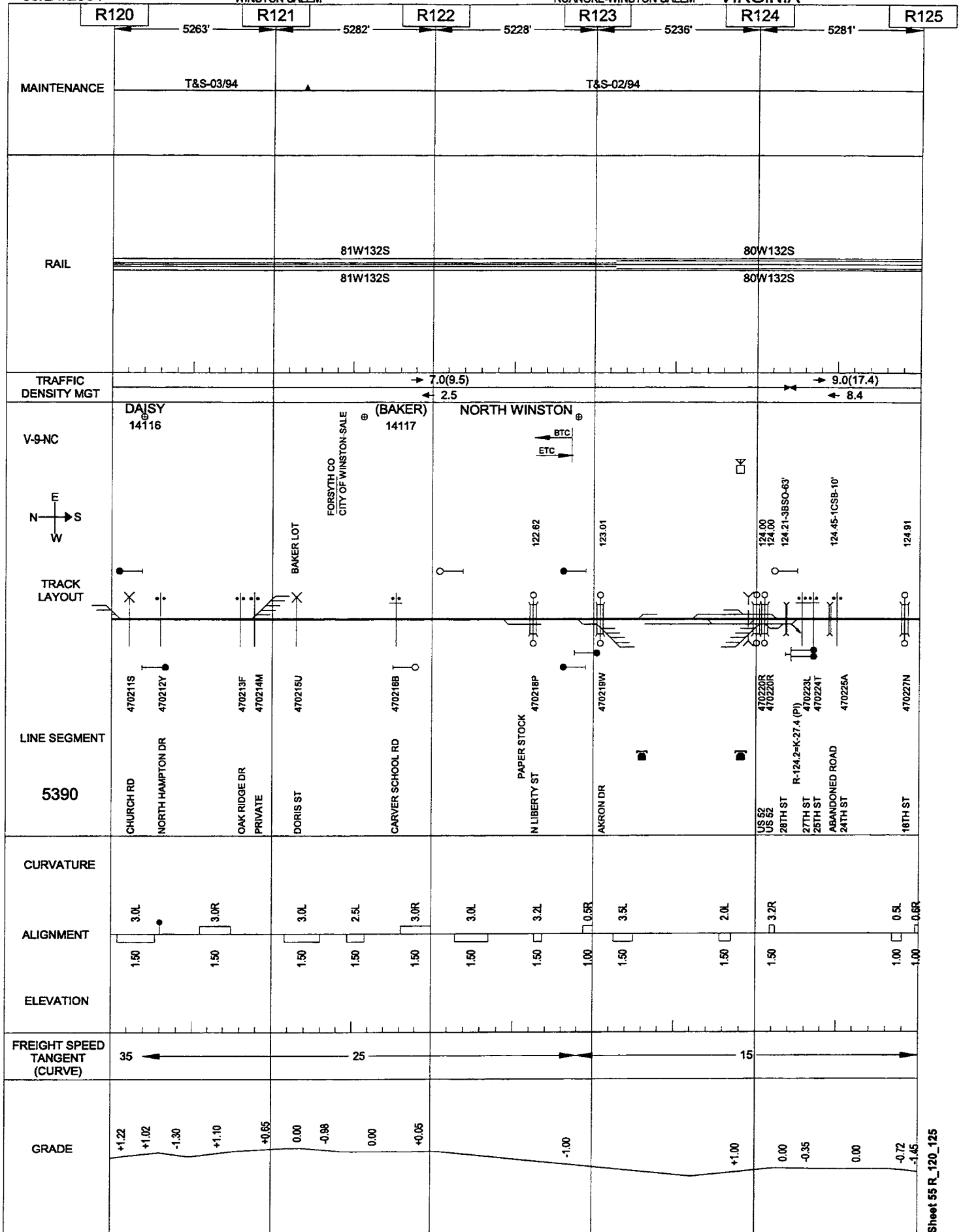


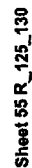
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ROANOKE-WINSTON SALEM

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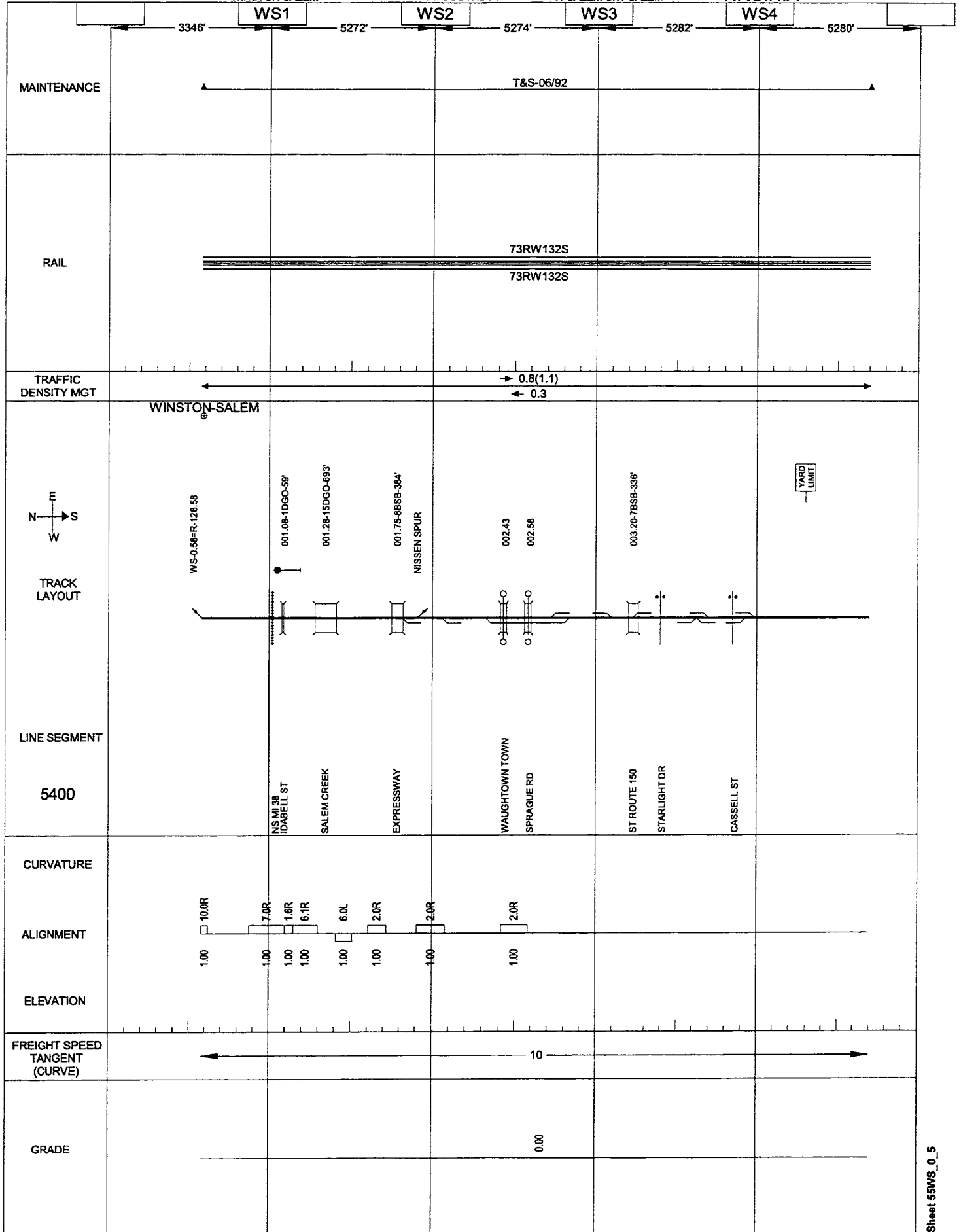
05/24/2001

WINSTON SALEM

W SALEM SOUTHBOUND

W SALEM-S.W SALEM

VIRGINIA



243

05/24/2001

WINSTON SALEM

HILL TOP BRANCH

HILLTOP-FIELDALE

VIRGINIA

DW42

DW43

DW44

DW45

5280' 4973' 2' 5129'

T&S-09/90

MAINTENANCE

RAIL

44RJ075S 61RJ085S 61RJ085S 52RJ075S 53RJ075S 53RJ075S **RJ075S 30RJ075S
44RJ075S 61RJ085S 61RJ085S 52RJ075S 53RJ075S 53RJ075S **RJ075S 30RJ075S

TRAFFIC
DENSITY MGT

MARTINSVILLE

JONES CREEK

V-7-VA

W
S — N
E

TRACK
LAYOUT

TIPPLE TRACK
PRILLAMAN TANK TRACK

041.74

042.01

042.80

044.40-TMSO-158'



LINE SEGMENT

5410

PRILLAMAN CHEMICAL

CHURCH ST

714160M

FAIRY ST

714162B

COMMONWEALTH BLVD

714163H

JONES CRK (SR 108)

714168S

CURVATURE

ALIGNMENT

ELEVATION

0.00 7.5L 1.00 6.0R 1.00 11.0L 1.00 7.0R 1.00 6.0R 1.00 3.0R 1.00 10.0R 1.00 4.7R 1.00 1.5R 1.00 1.9R 2.00 7.0L 2.00 7.0R 1.50 6.0R

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+2.65 -1.95 -2.88 -2.70 -2.63 -2.71 -2.49 -0.36 -0.39

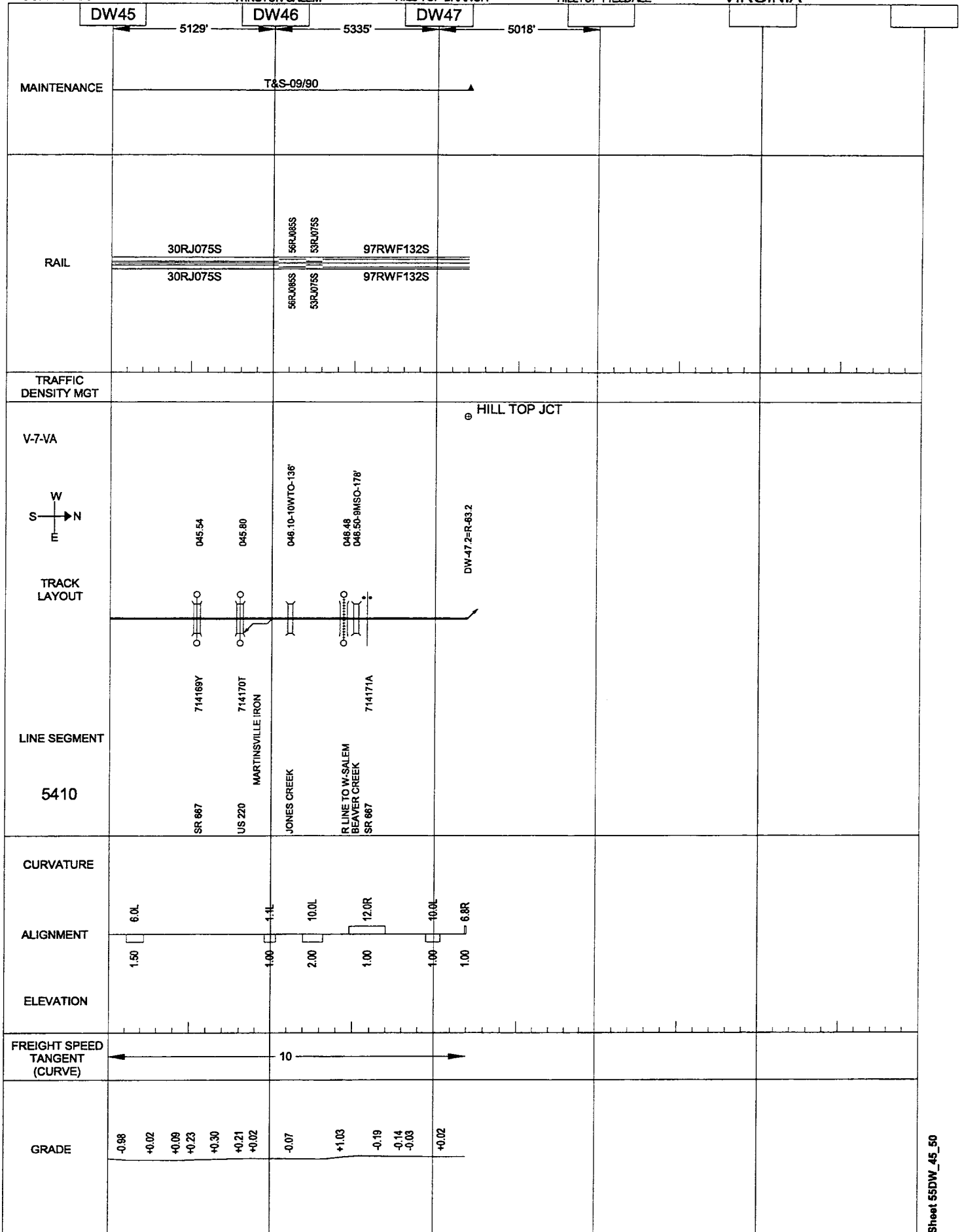
05/24/2001

WINSTON SALEM

HILL TOP BRANCH

HILLTOP-FIELDALE

VIRGINIA



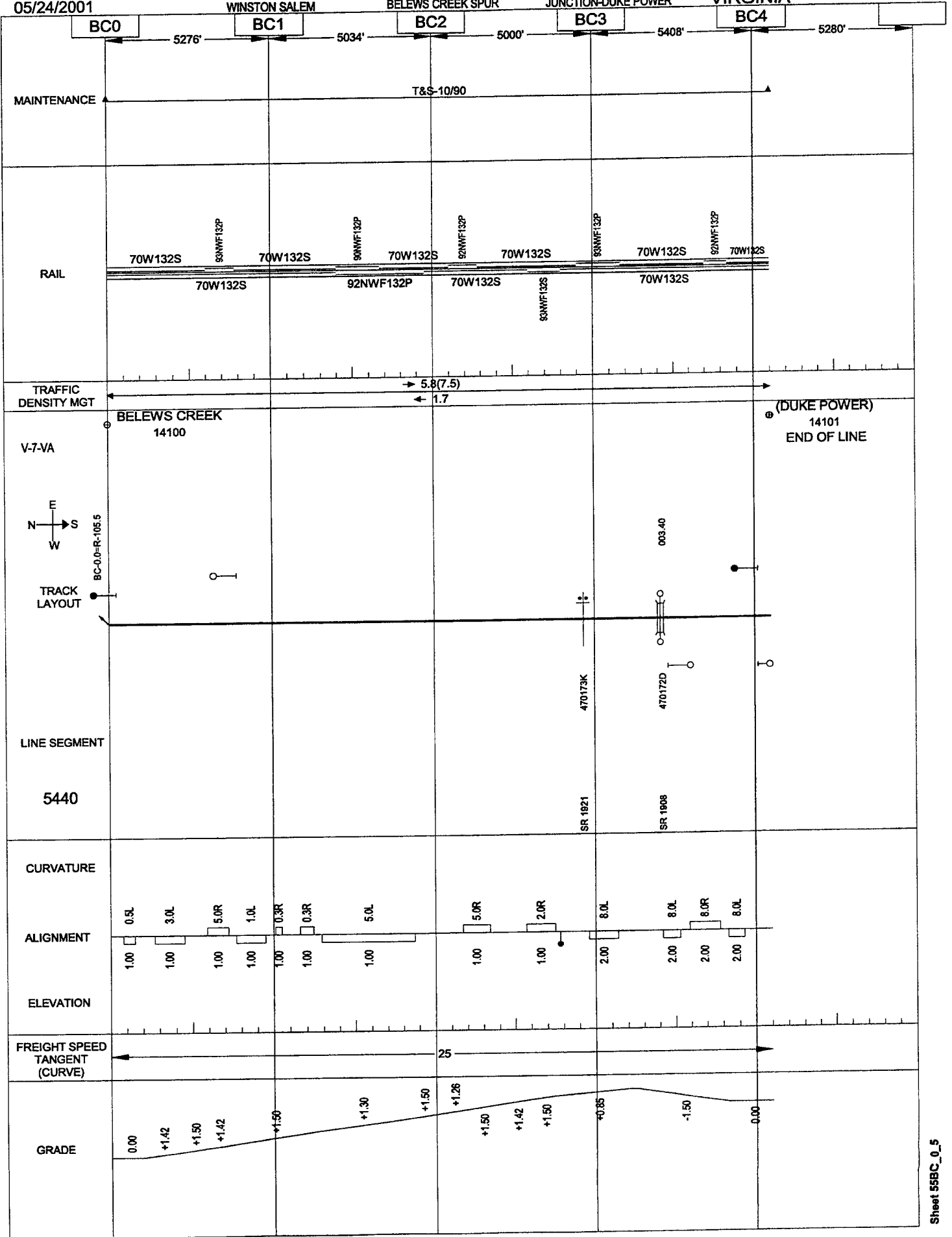
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WINSTON SALEM

BELEWS CREEK SPUR

JUNCTION-DUKE POWER

VIRGINIA

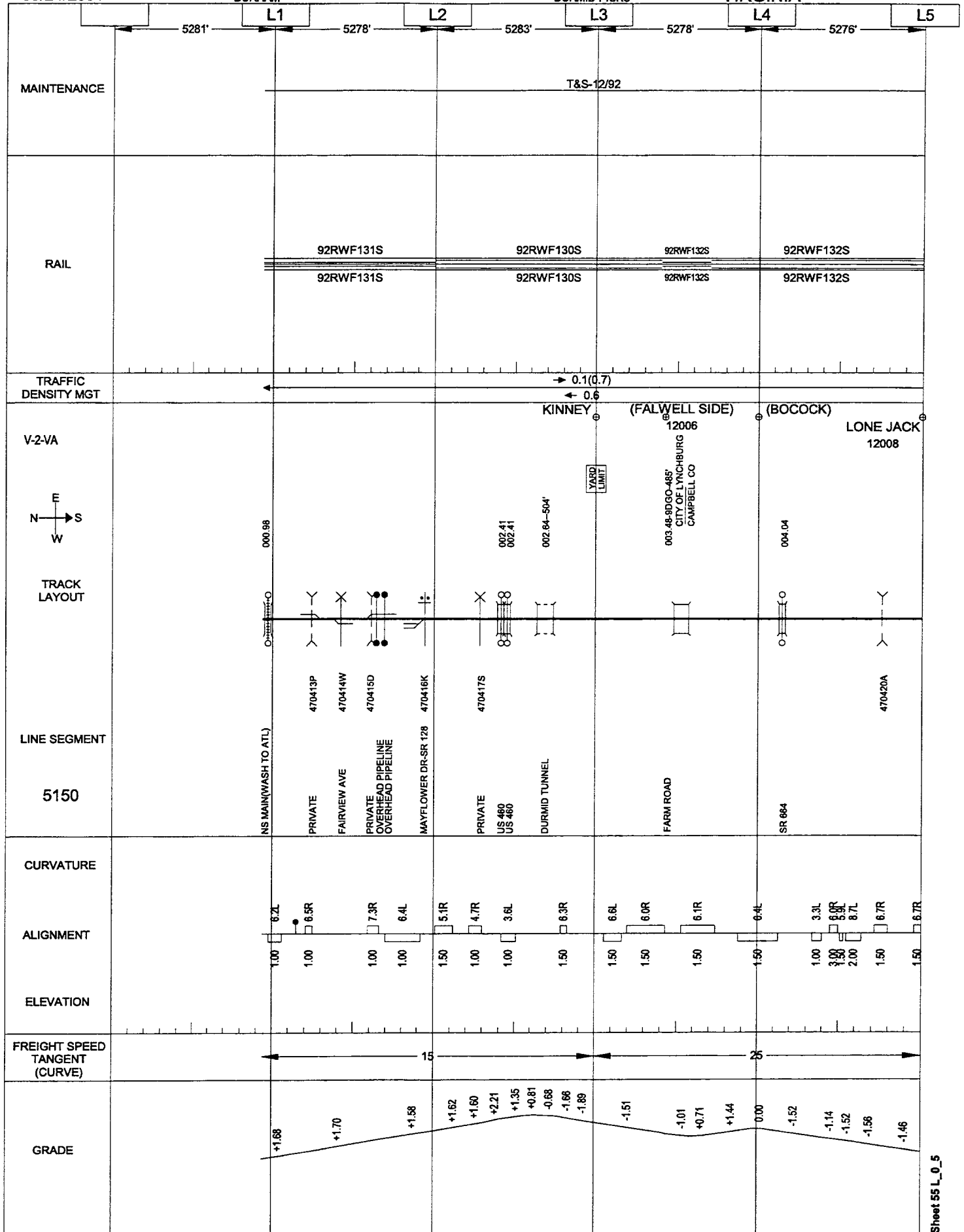


05/24/2001

DURHAM

DURMID-PICKS

VIRGINIA

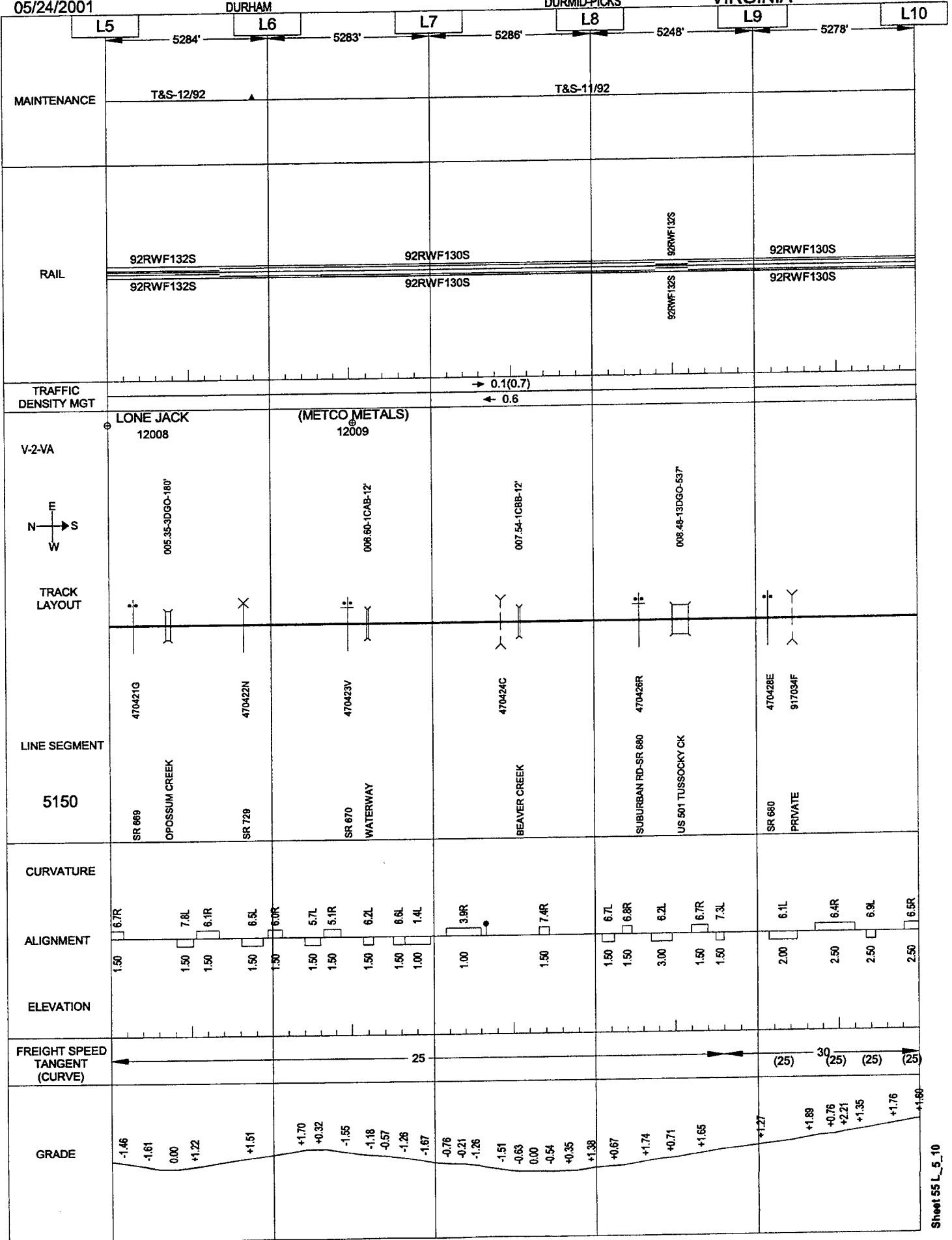


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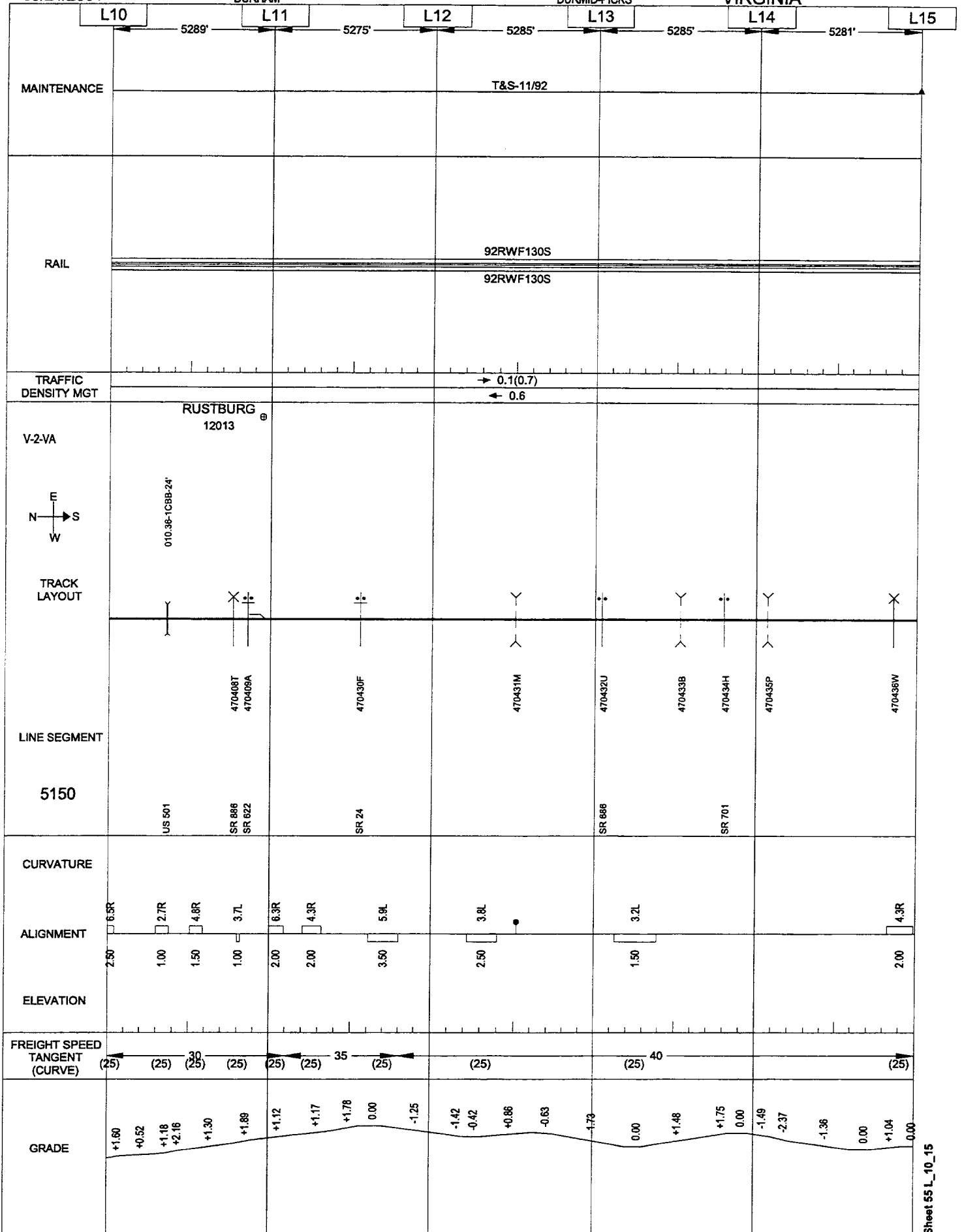


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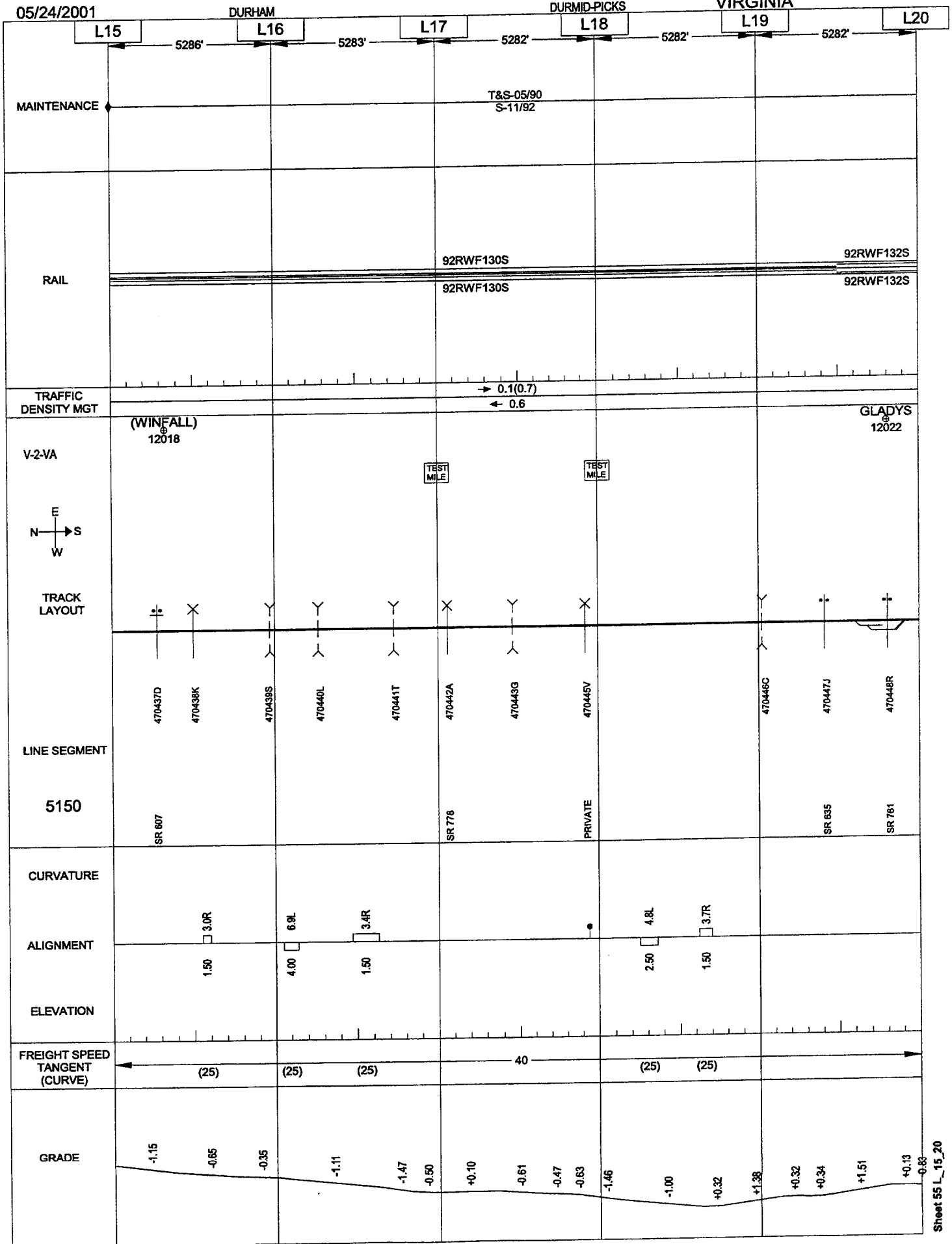


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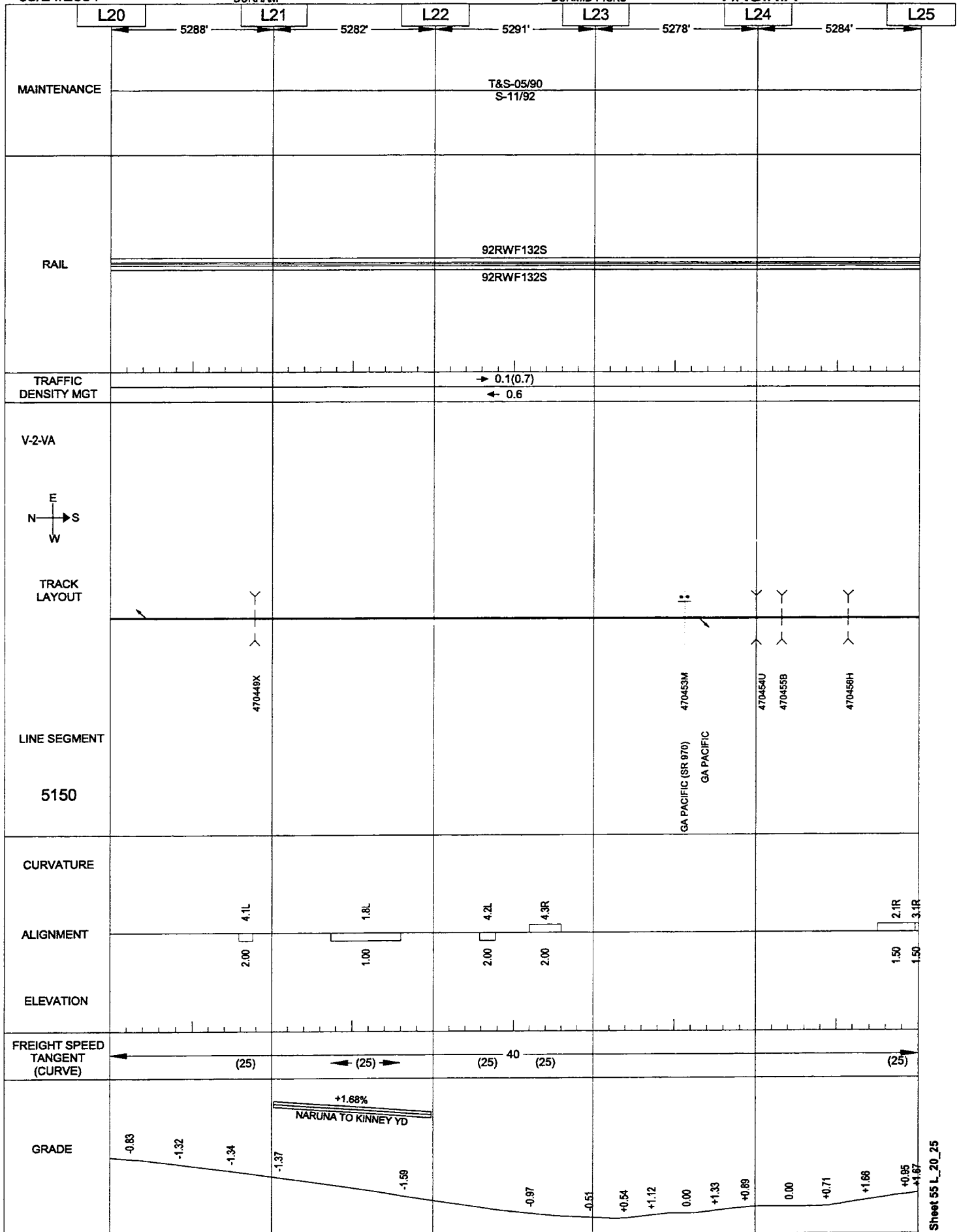


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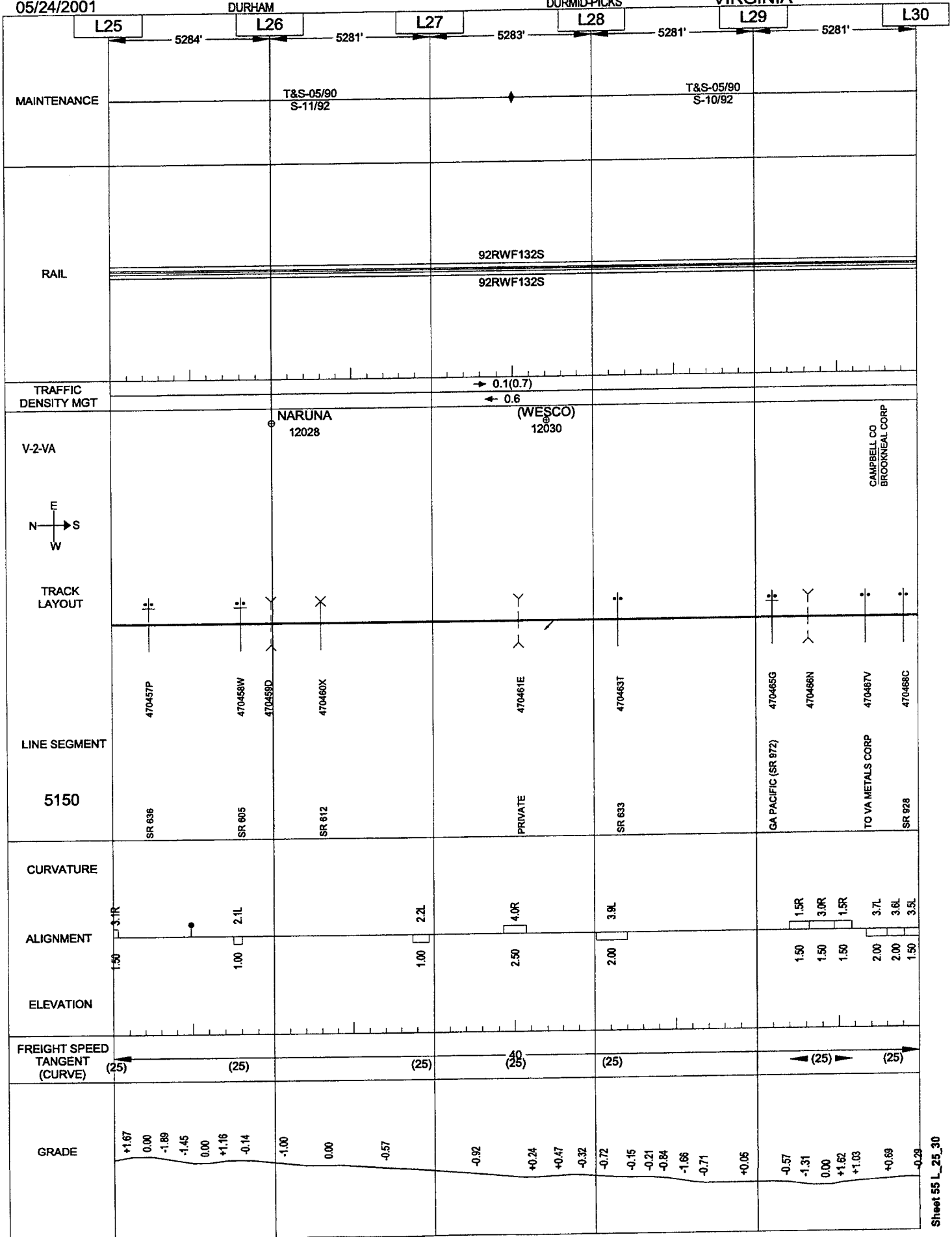


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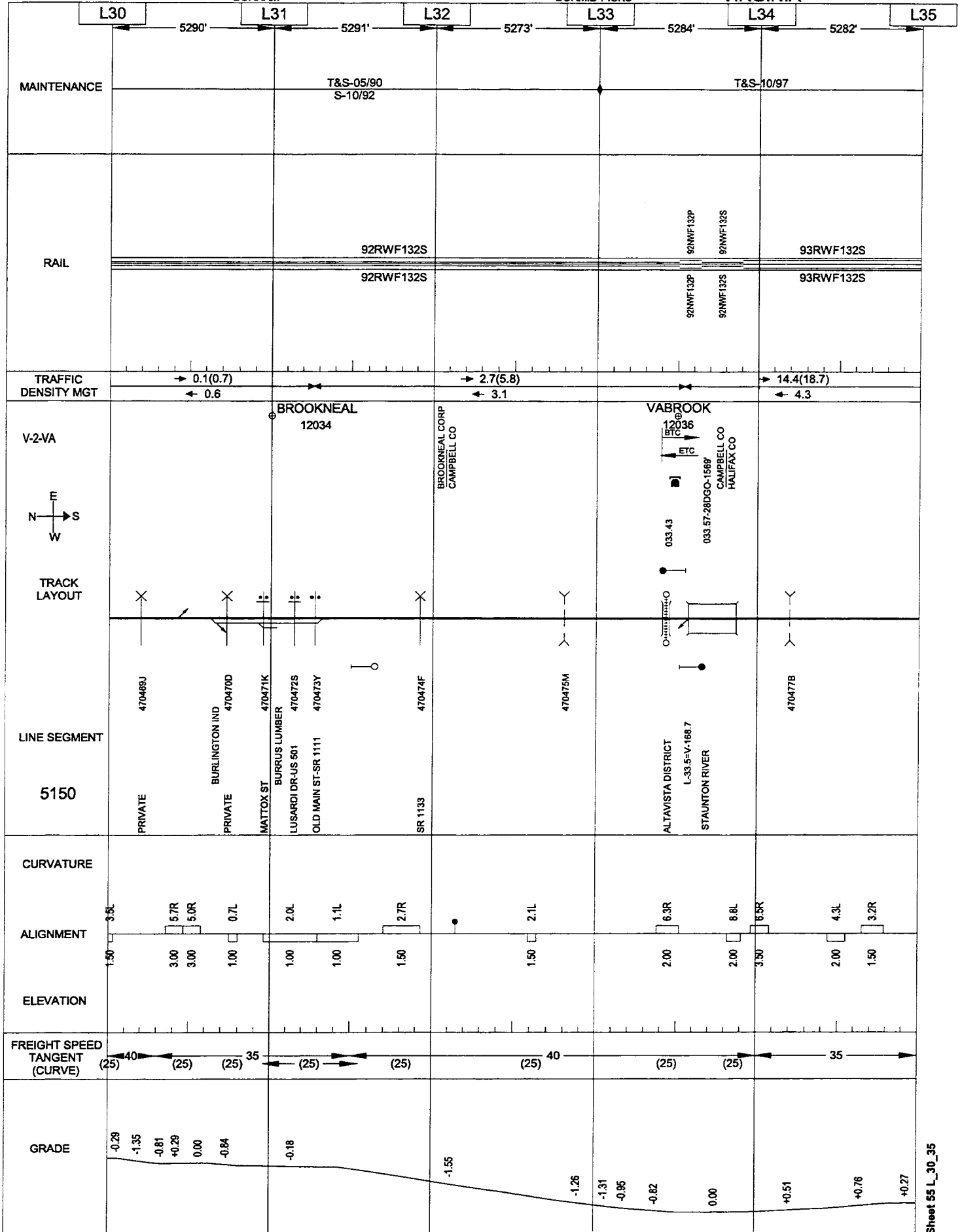


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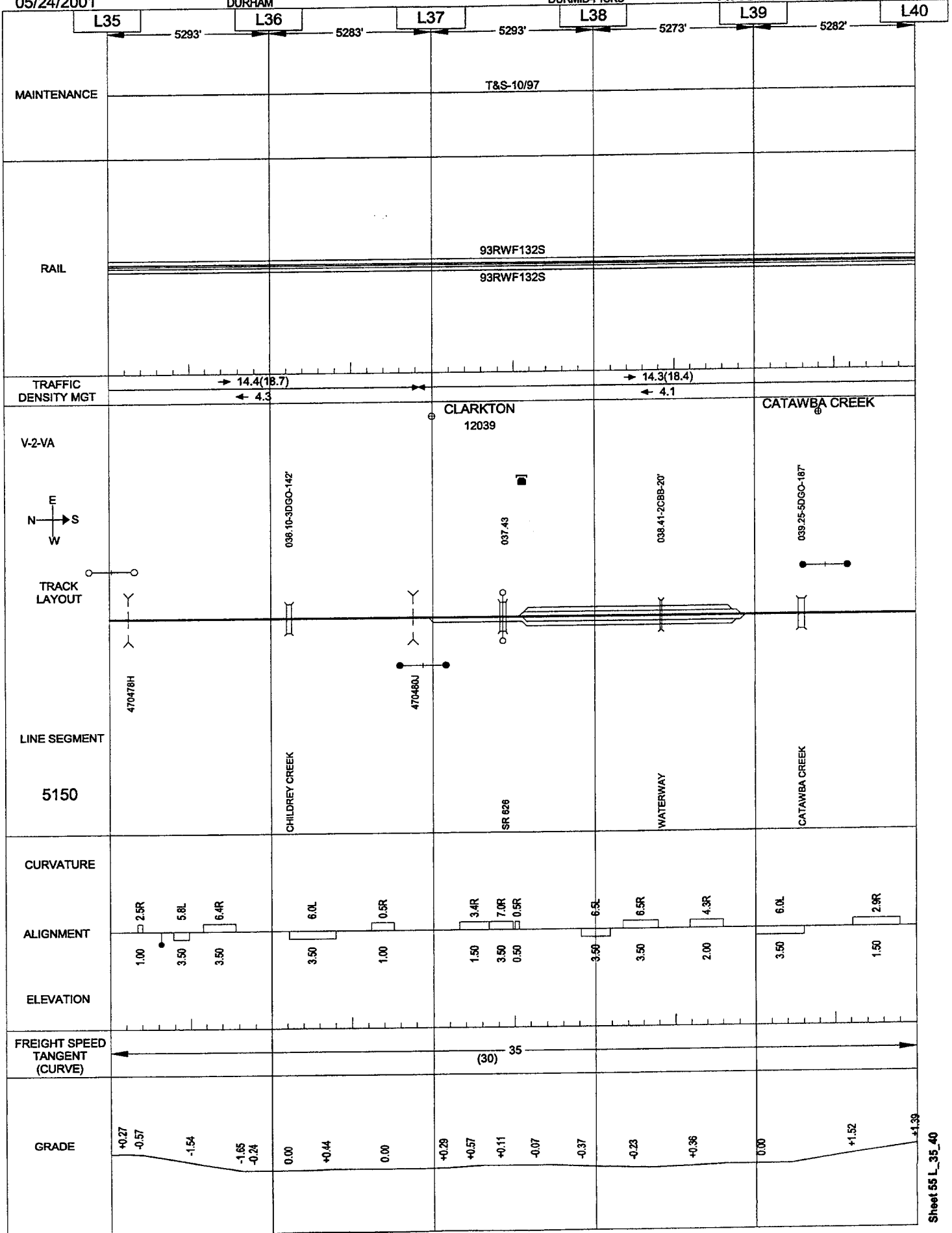


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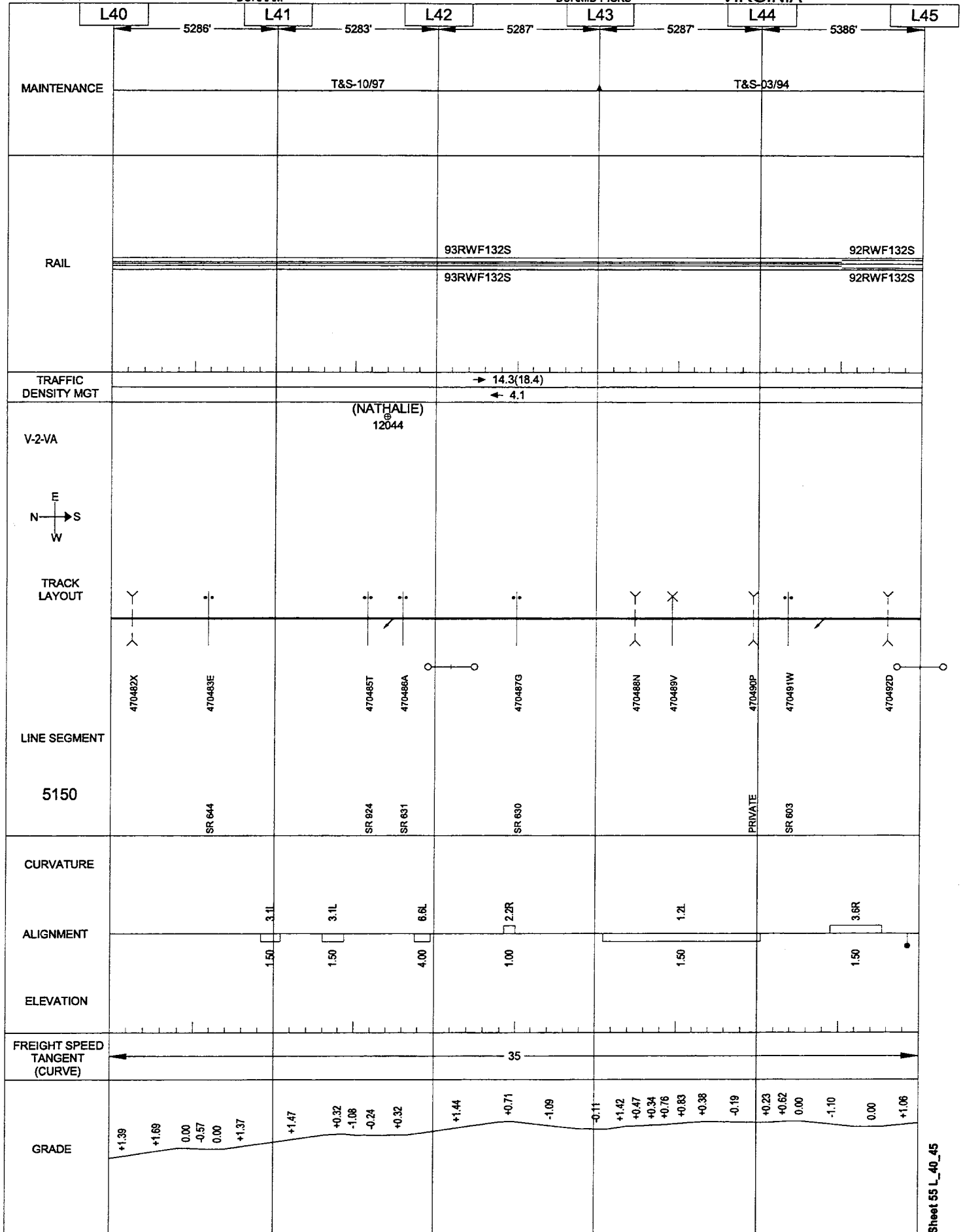


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DURMID-PICKS

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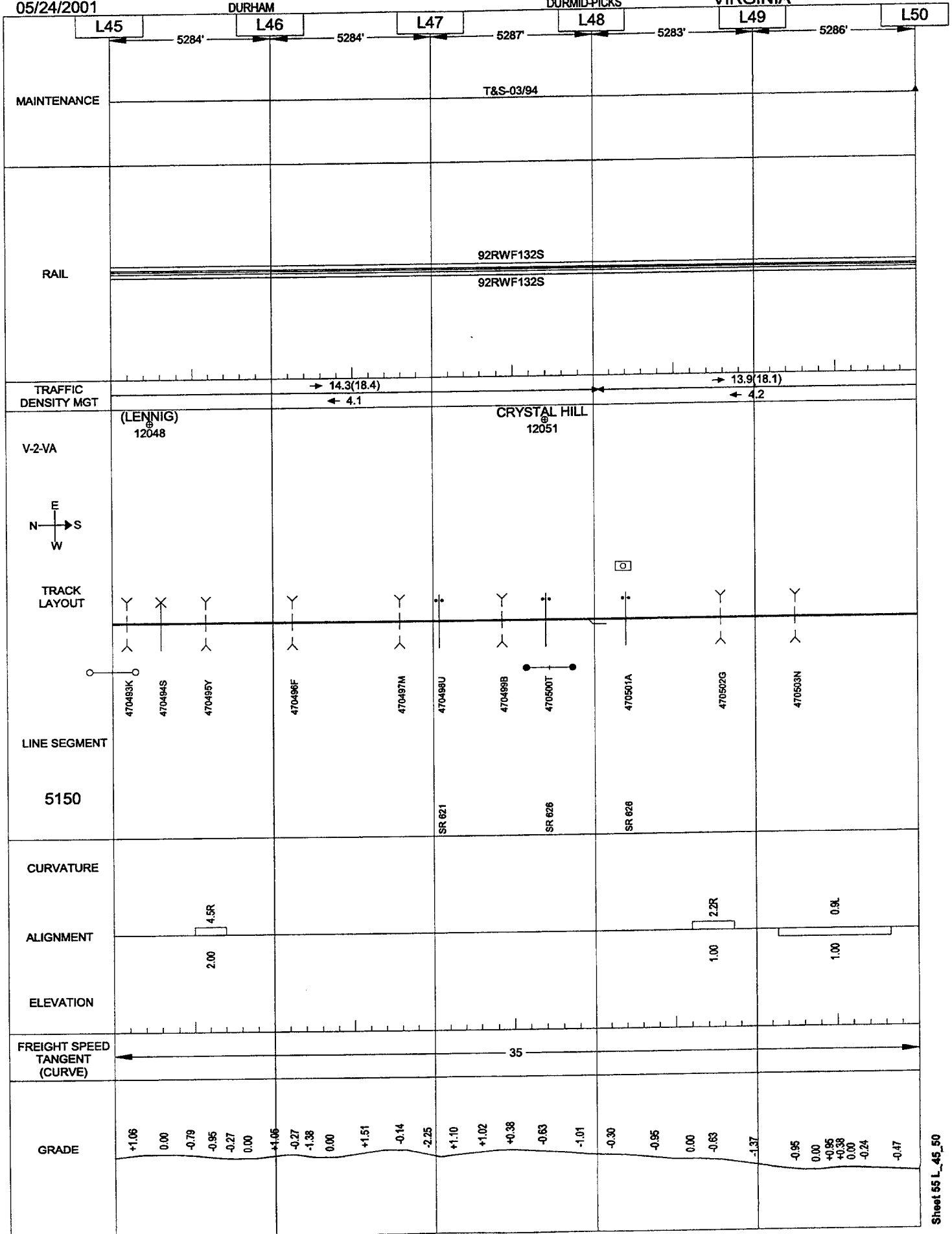


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VIRGINIA

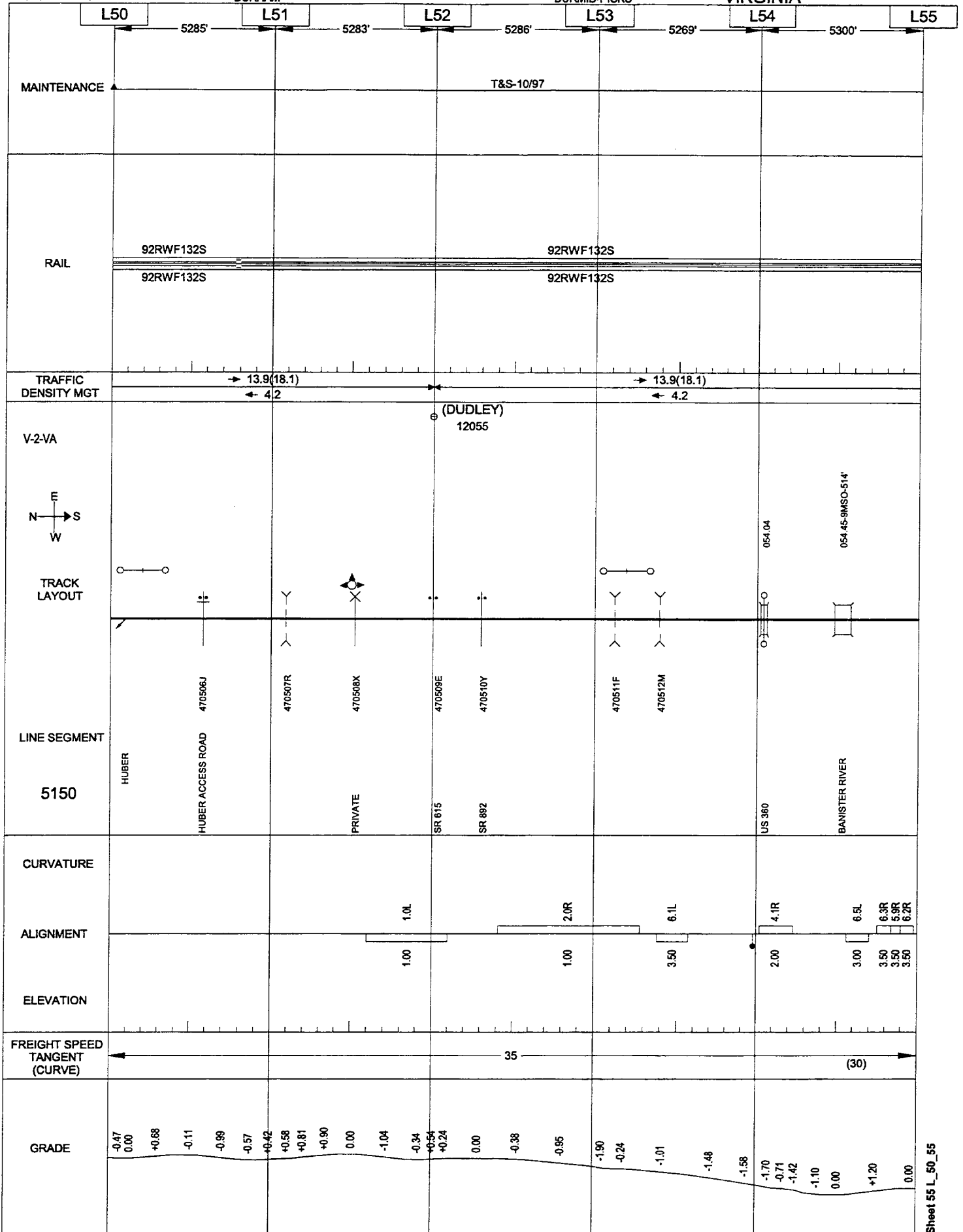


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DURMID-PICKS

VIRGINIA

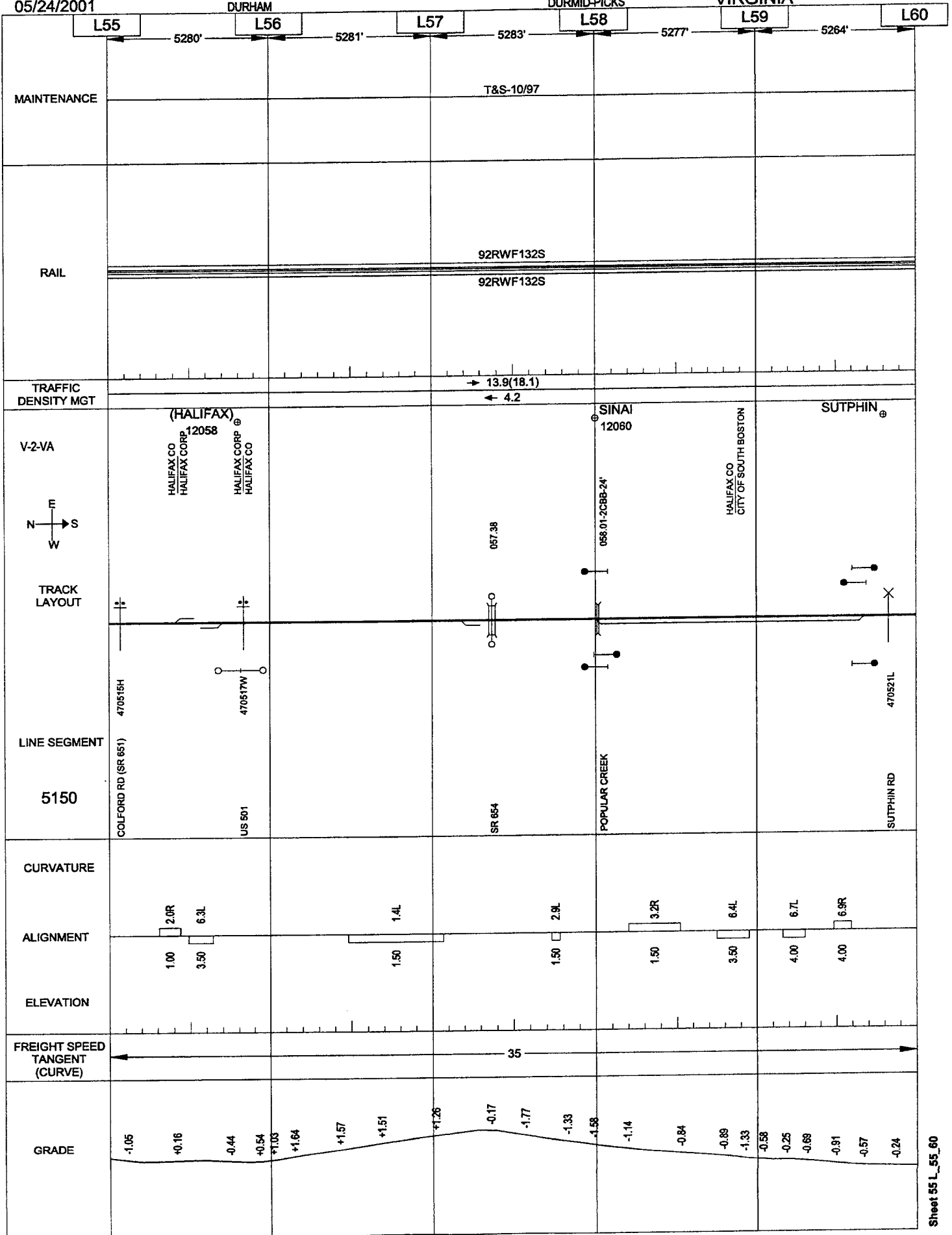


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VIRGINIA

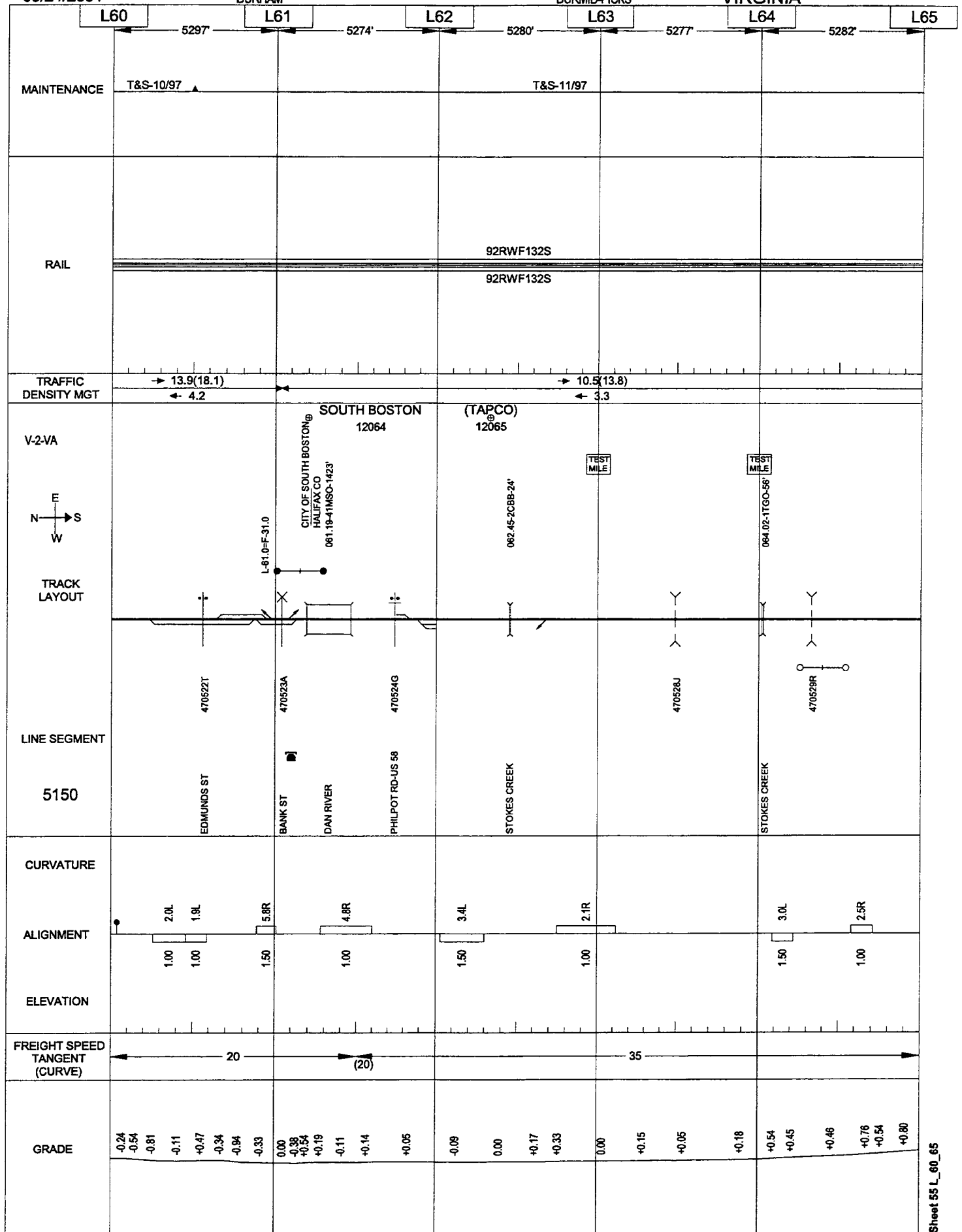


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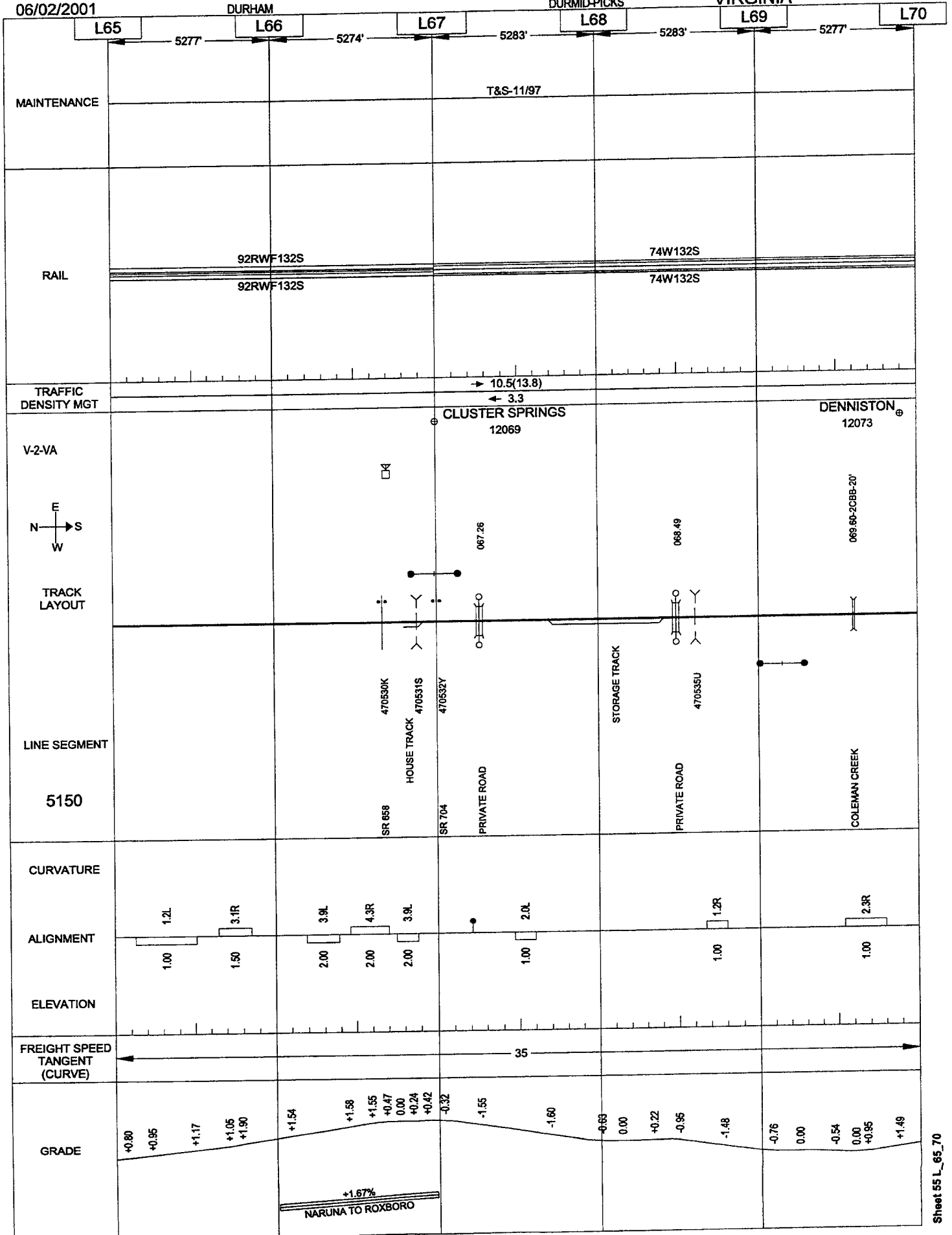


06/02/2001

DURHAM

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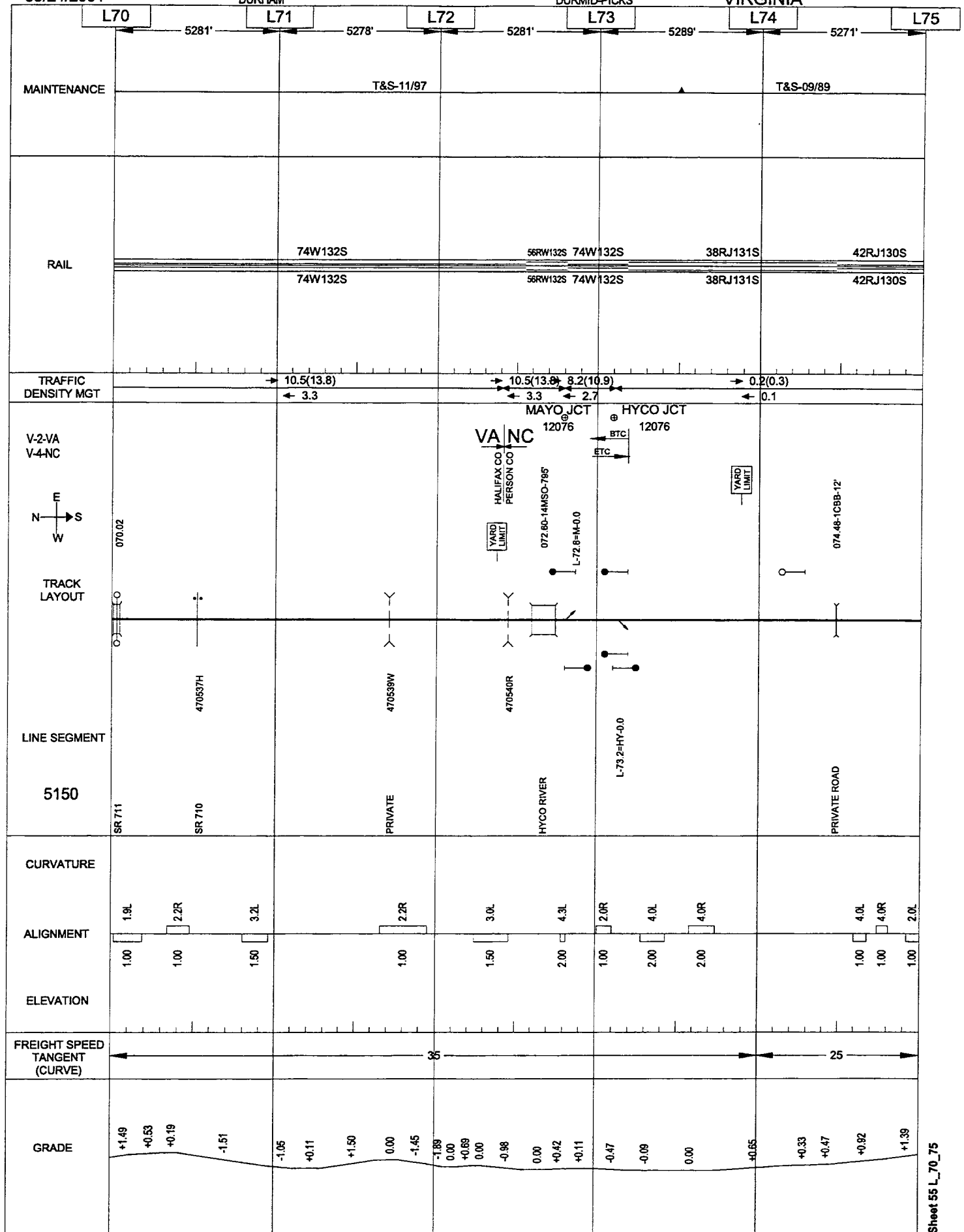


05/24/2001

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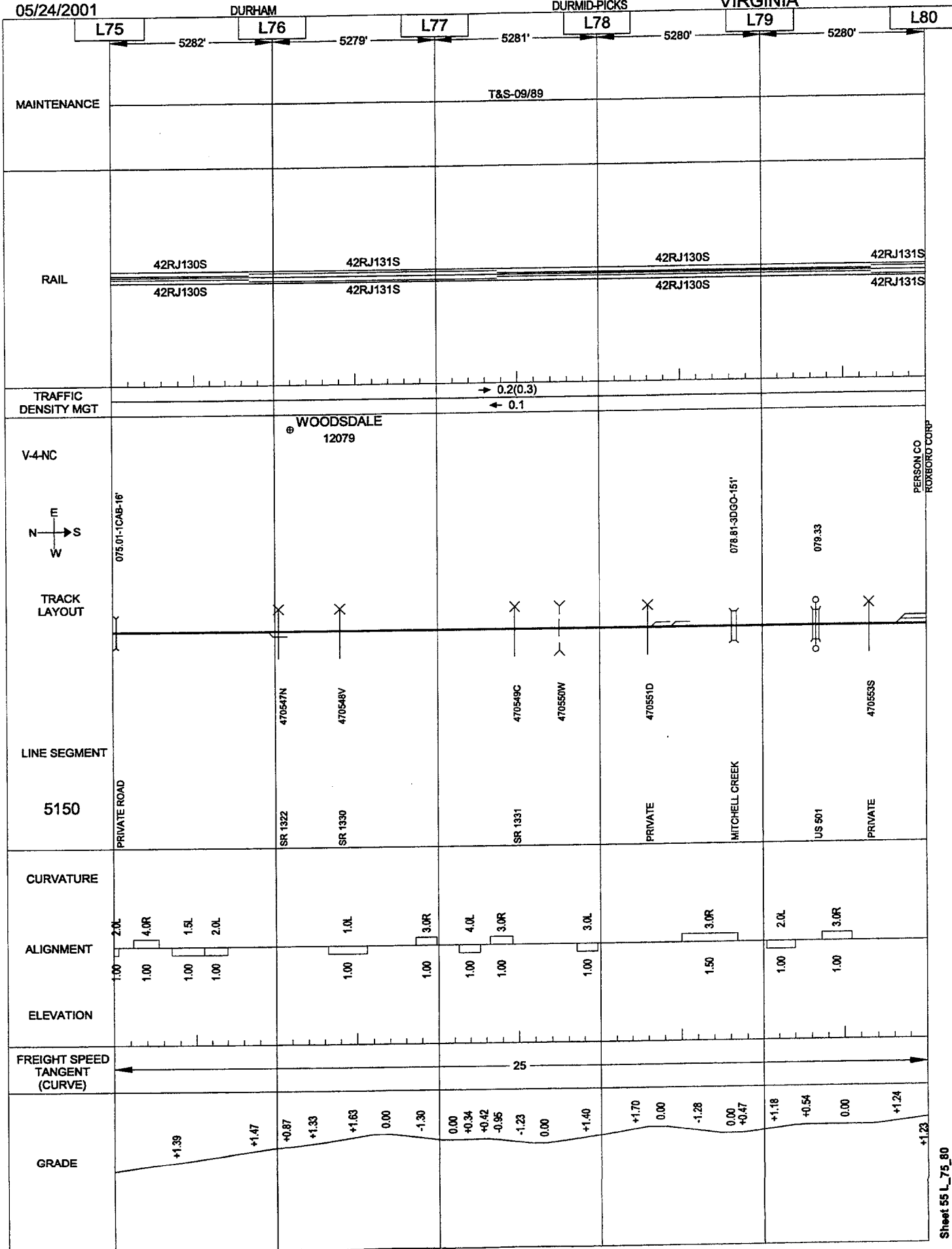


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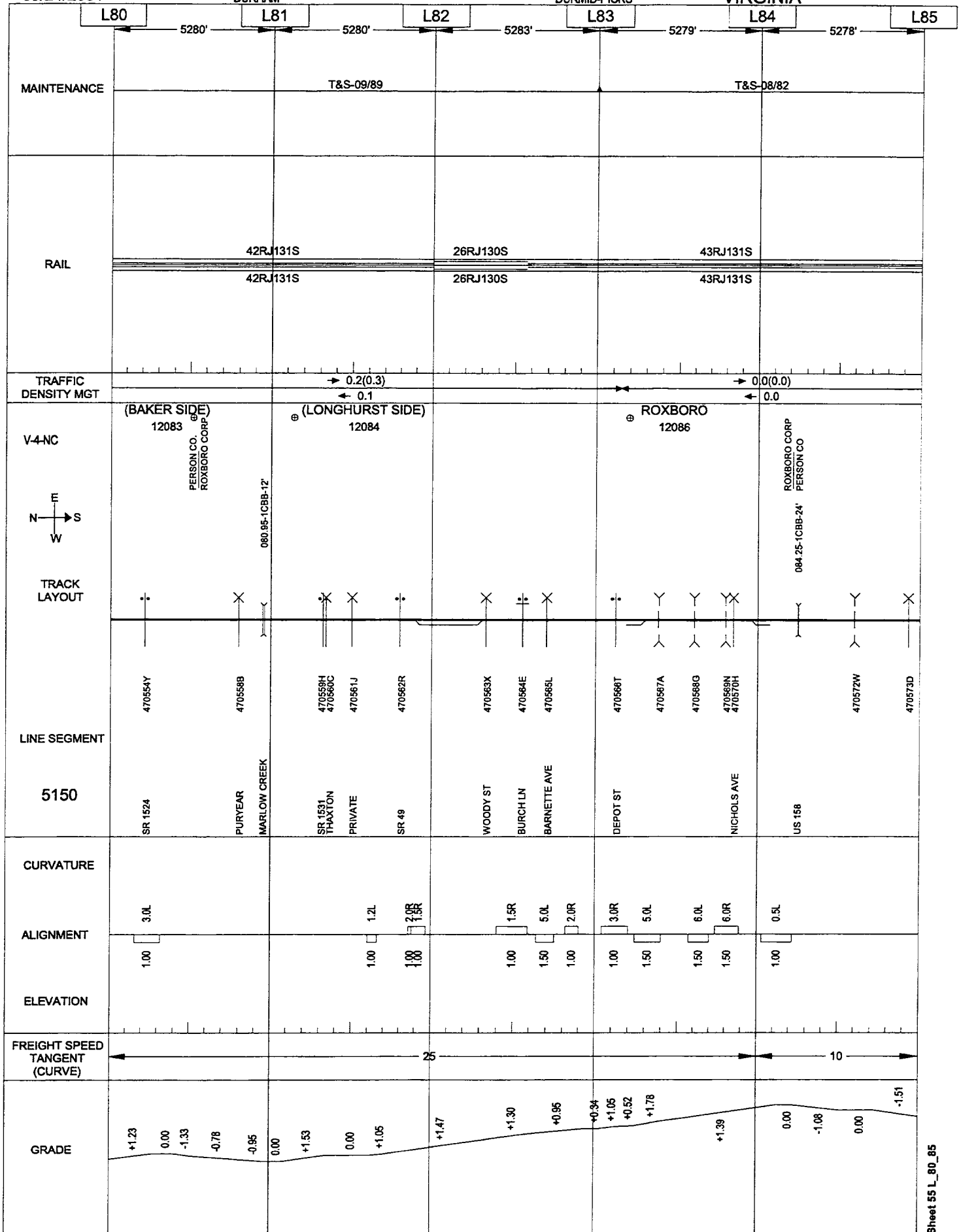


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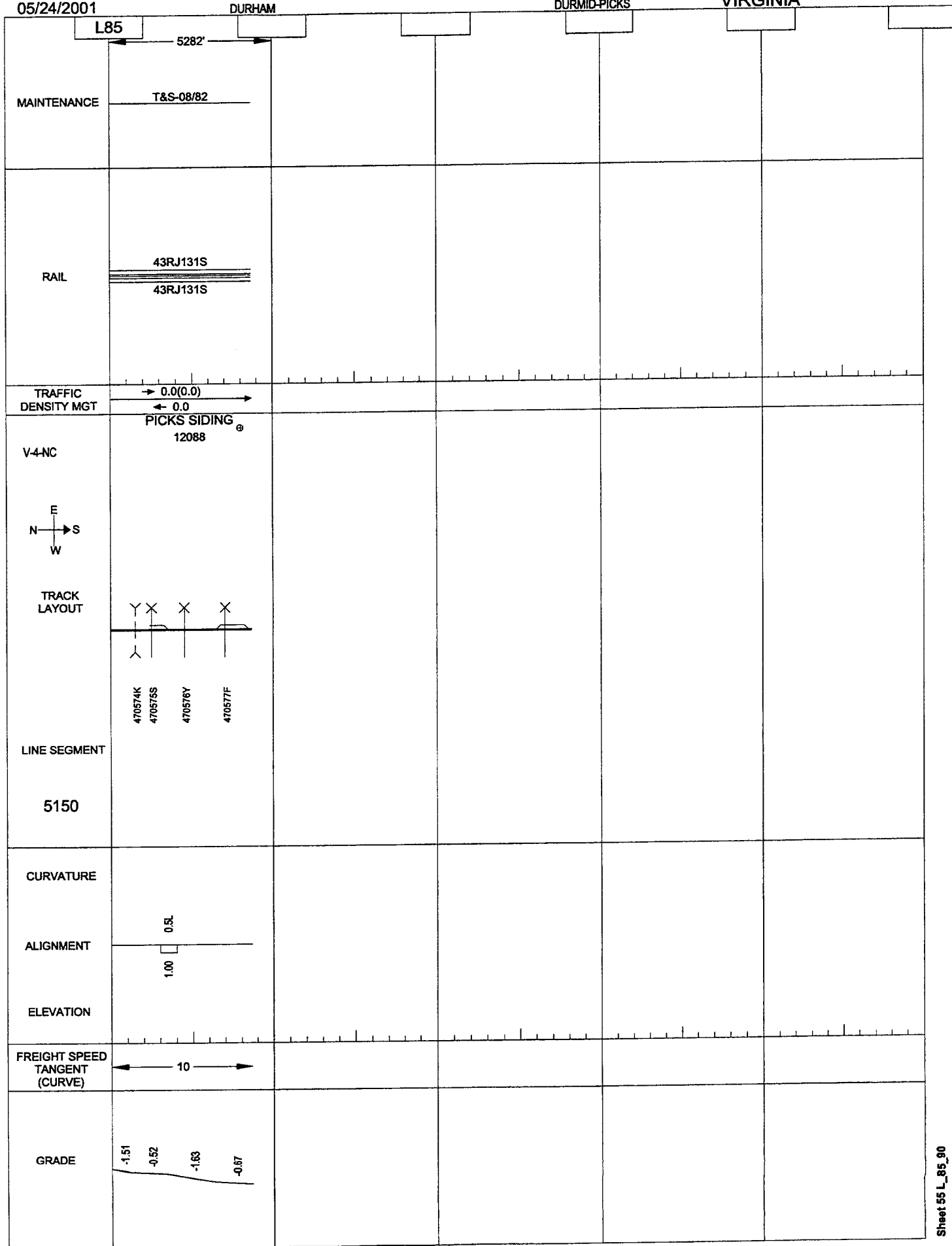


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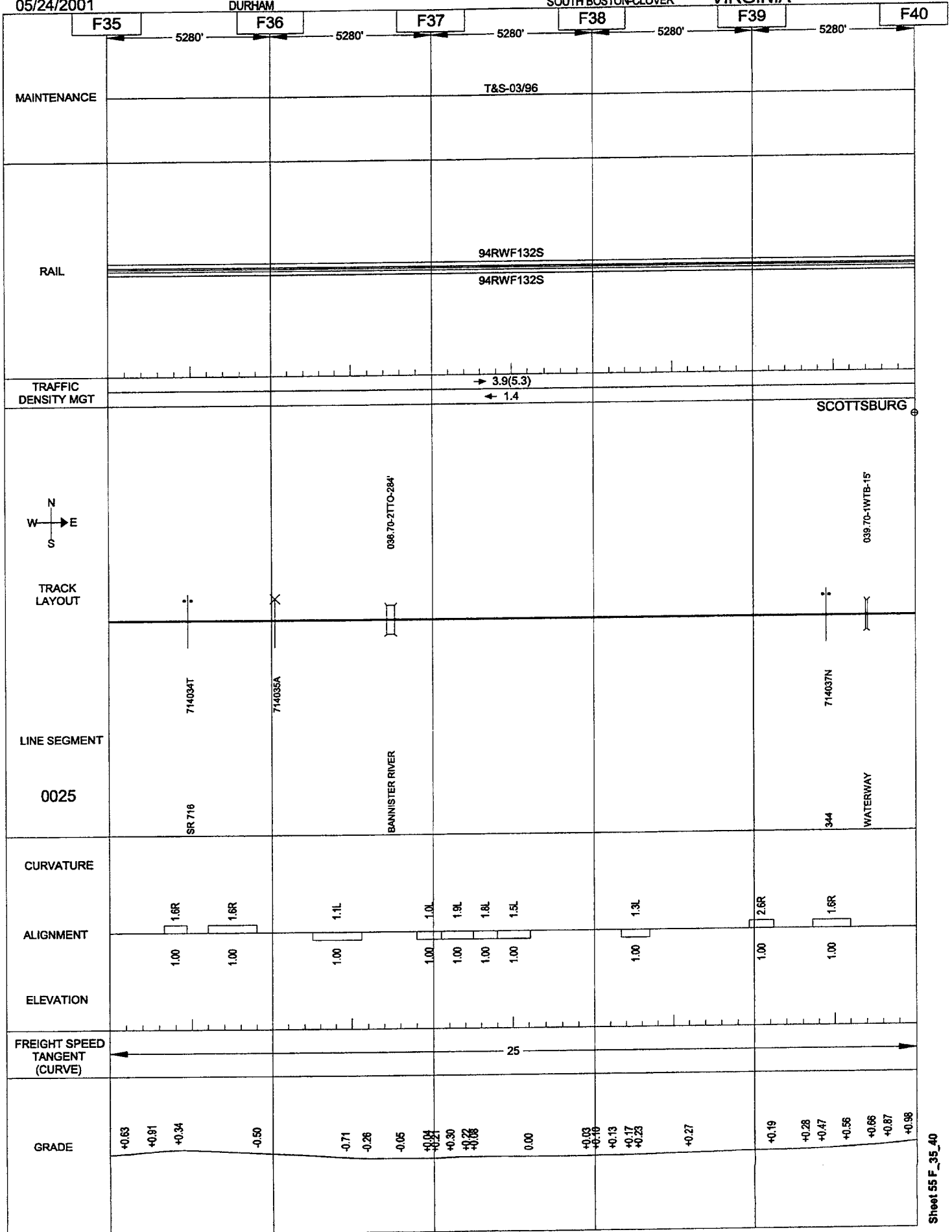
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05/24/2001

DURHAM

SOUTH BOSTON-CLOVER

VIRGINIA

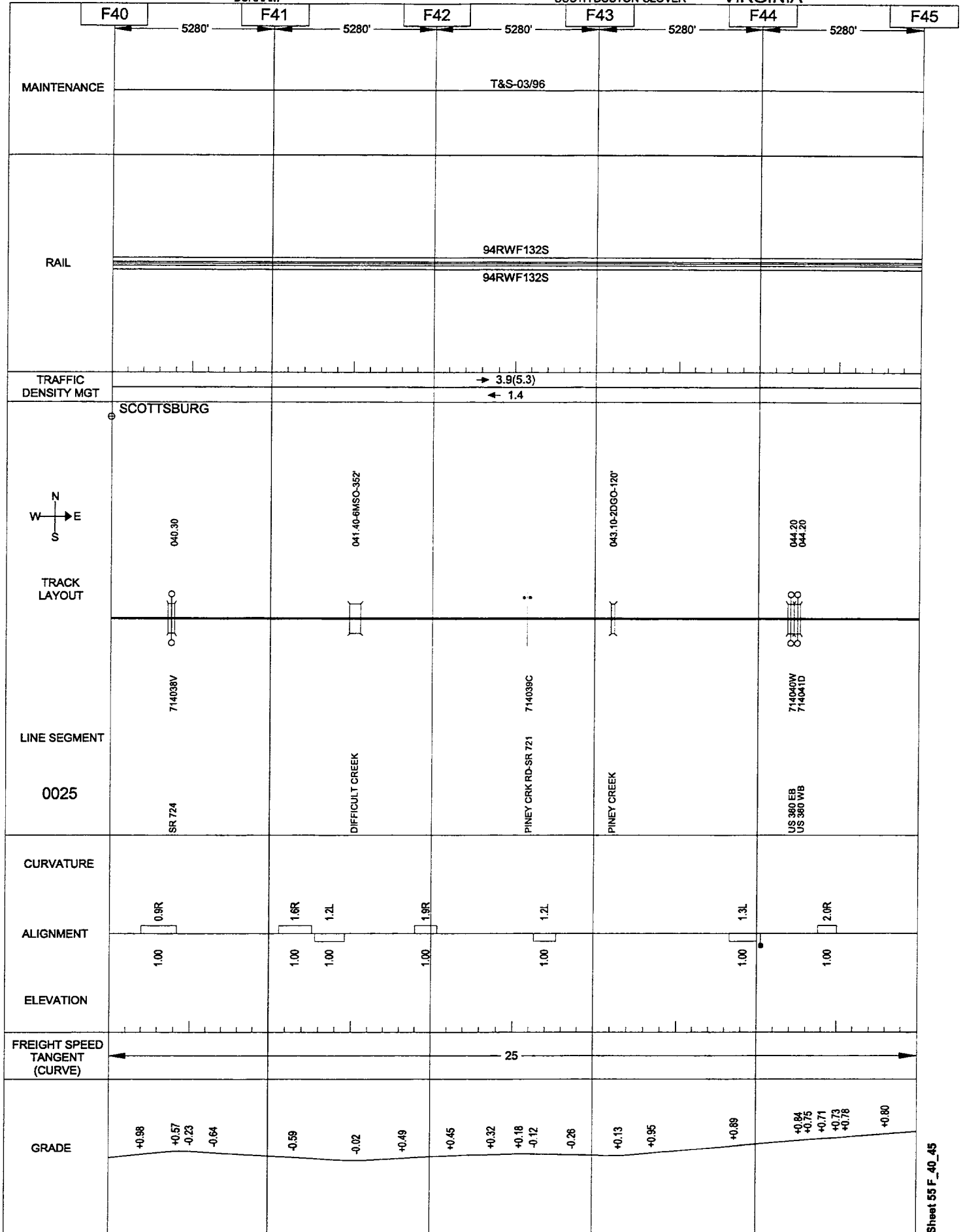


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DURHAM

SOUTH BOSTON-CLOVER

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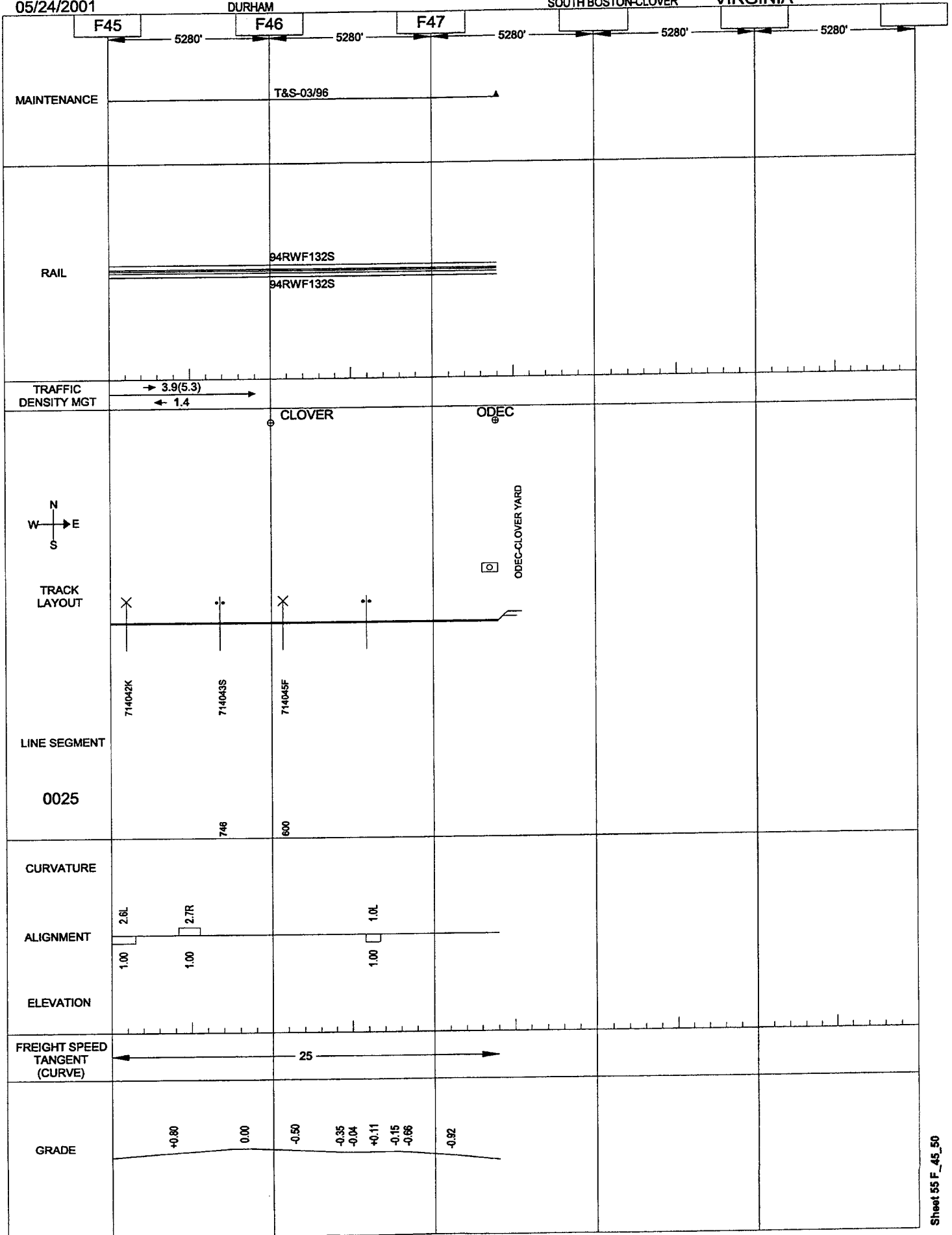


05/24/2001

DURHAM

SOUTH BOSTON CLOVER

VIRGINIA



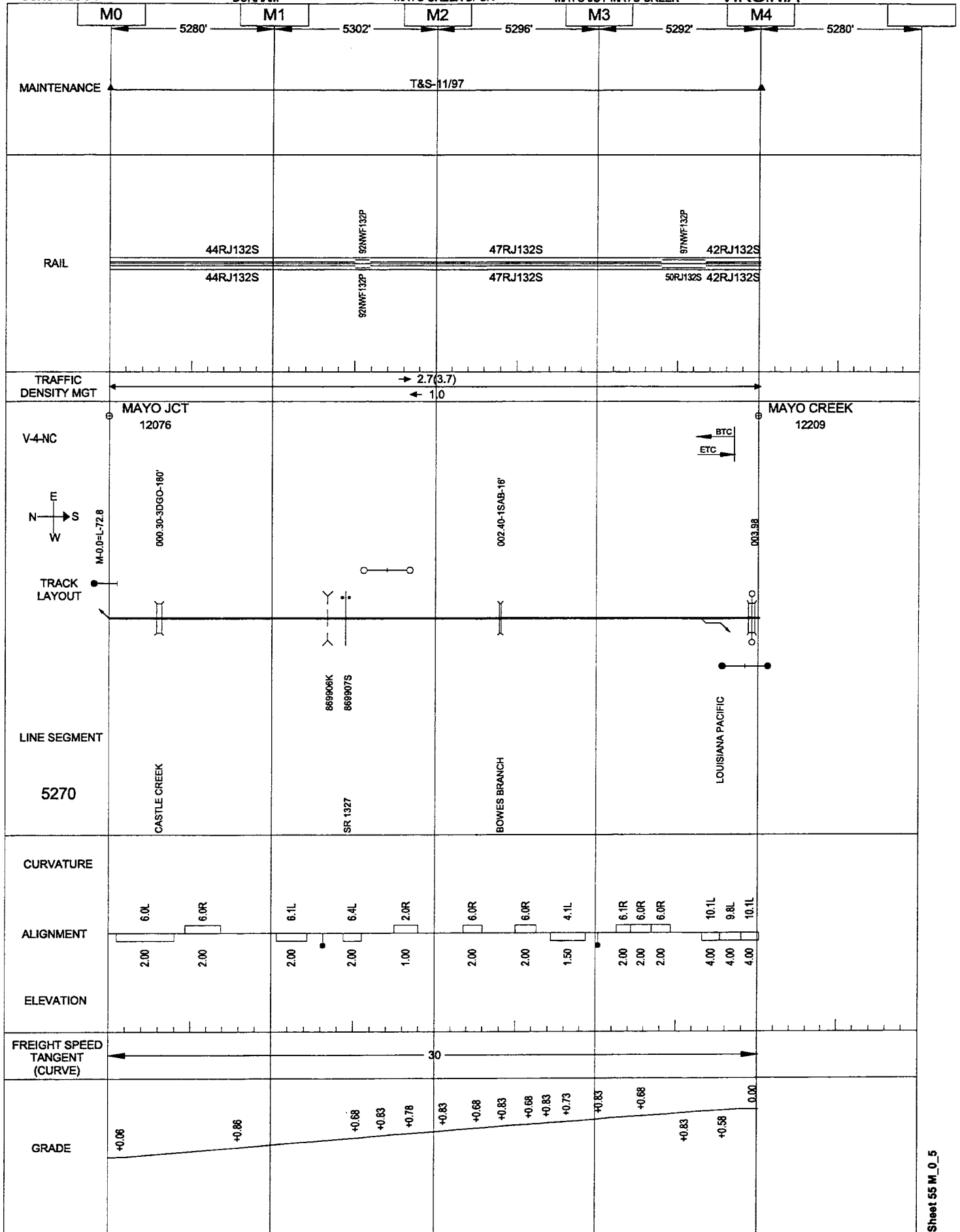
05/24/2001

DURHAM

MAYO CREEK SPUR

MAYO JCT-MAYO CREEK

VIRGINIA



Sheet 55HY_0_5

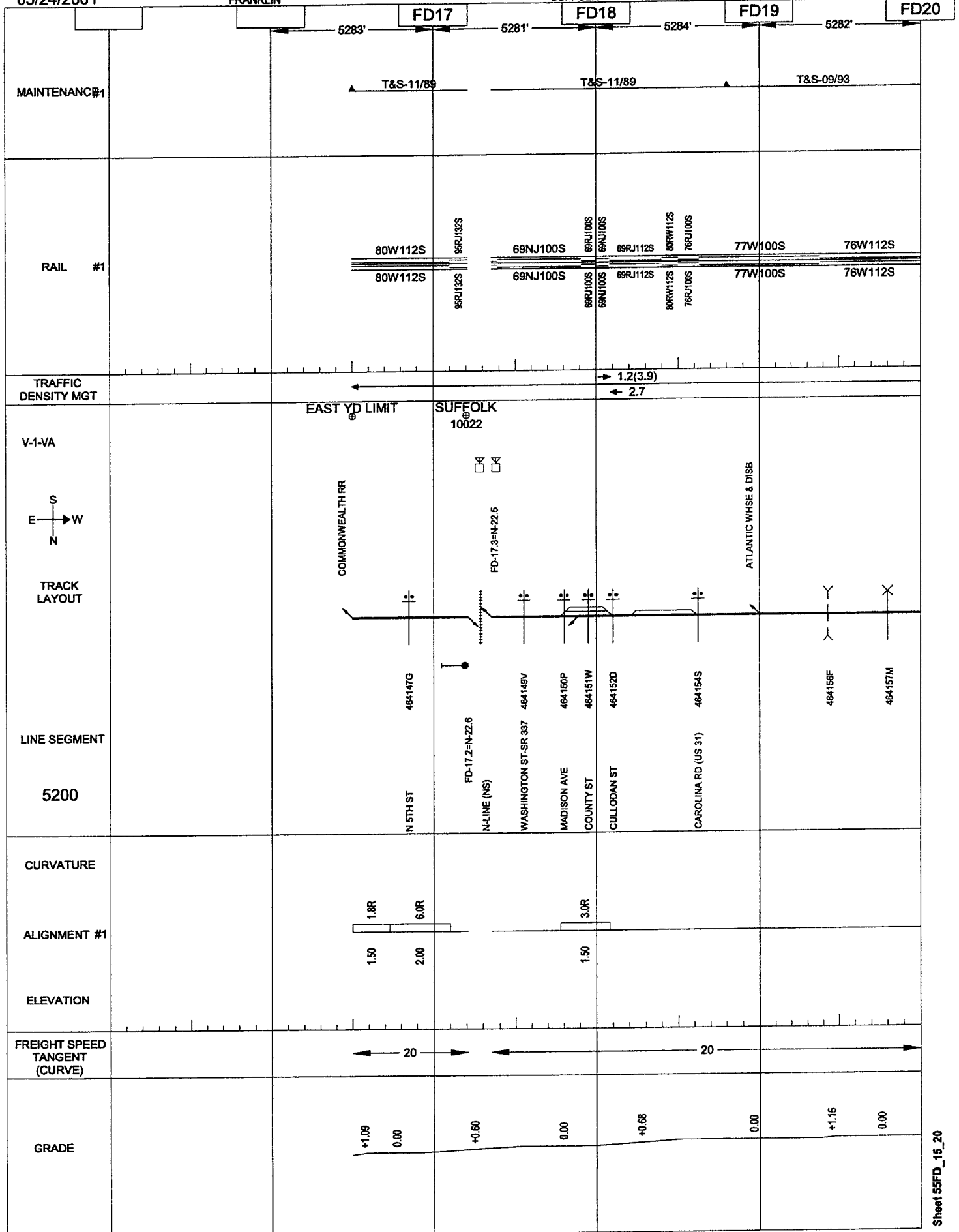


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

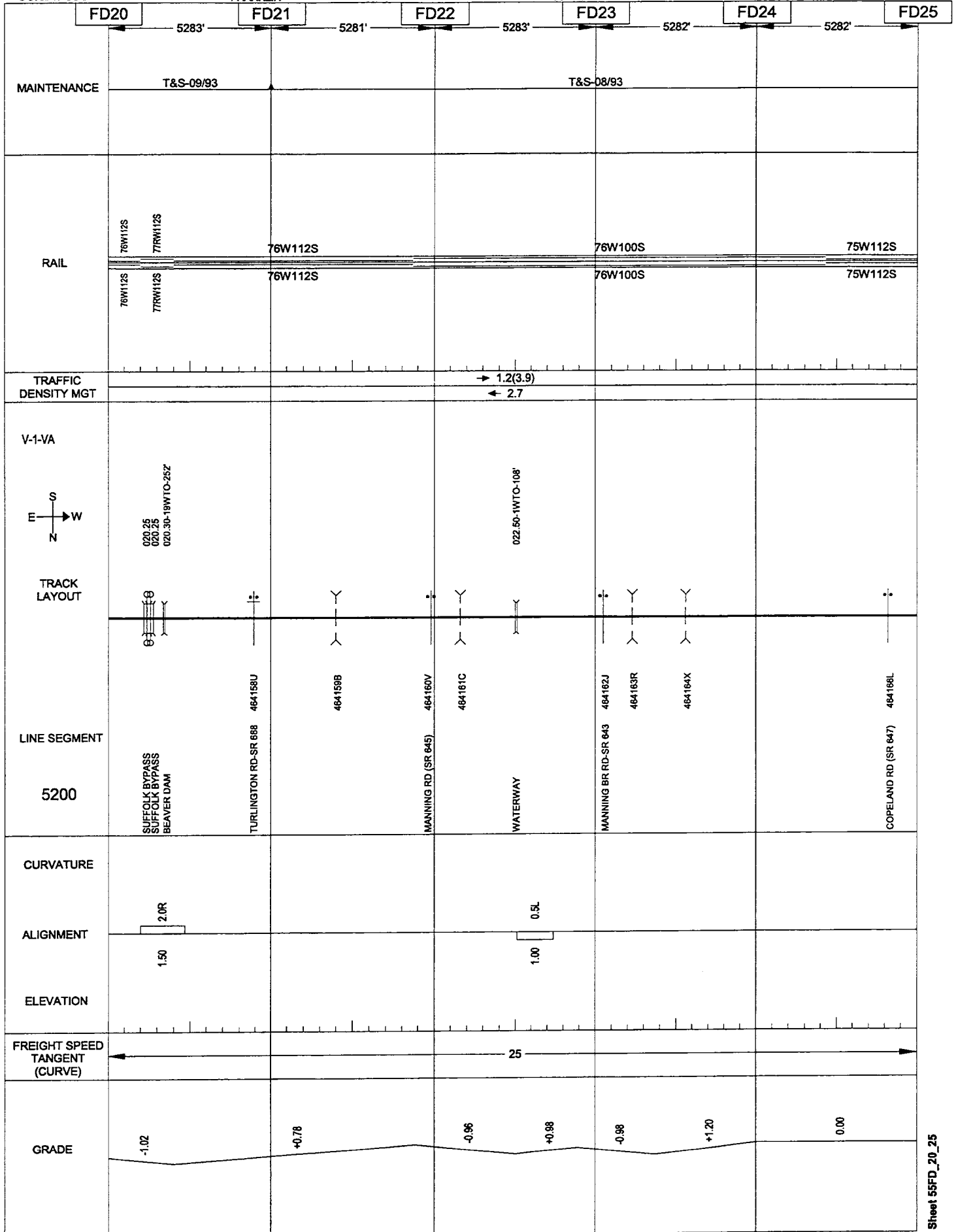


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

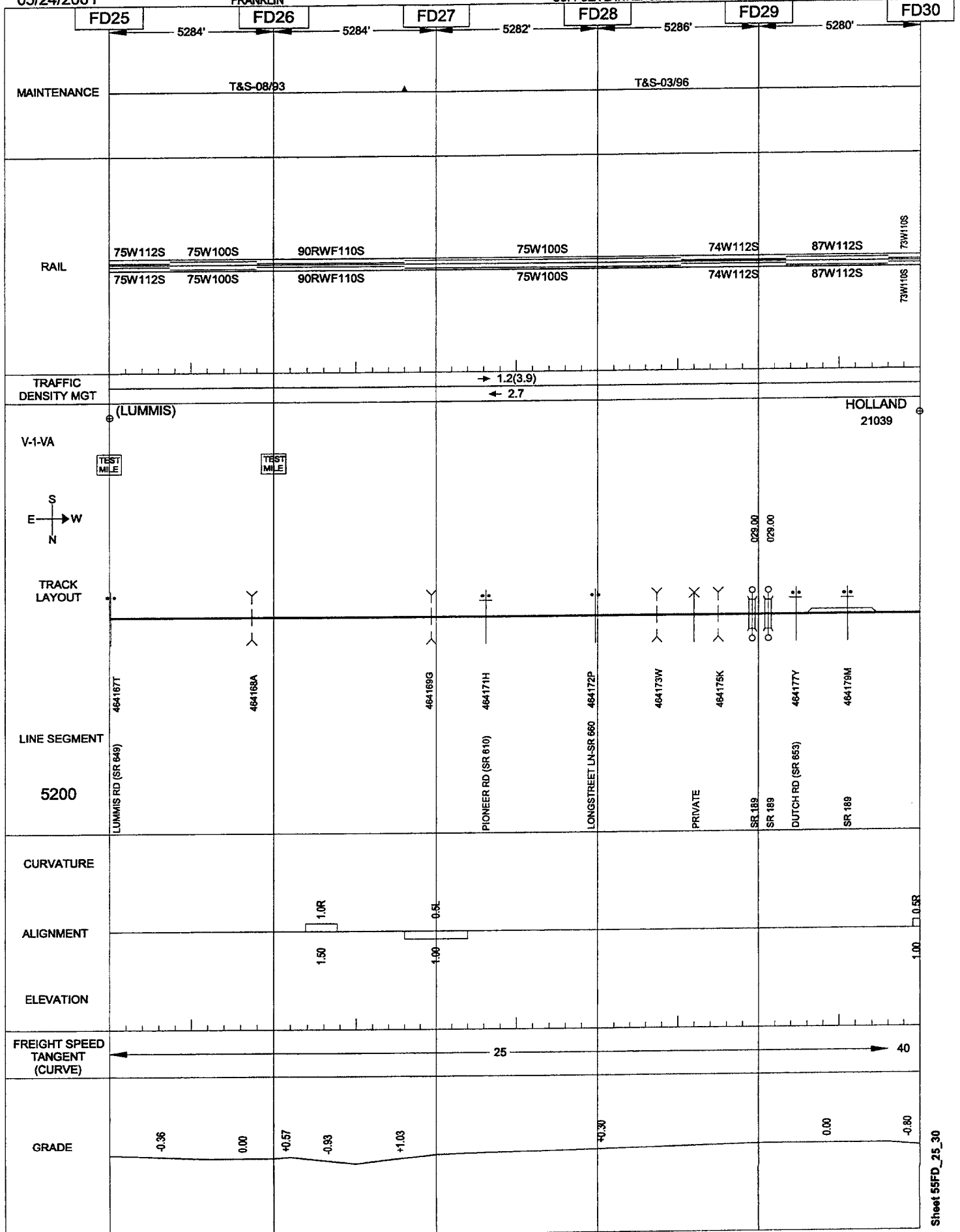


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

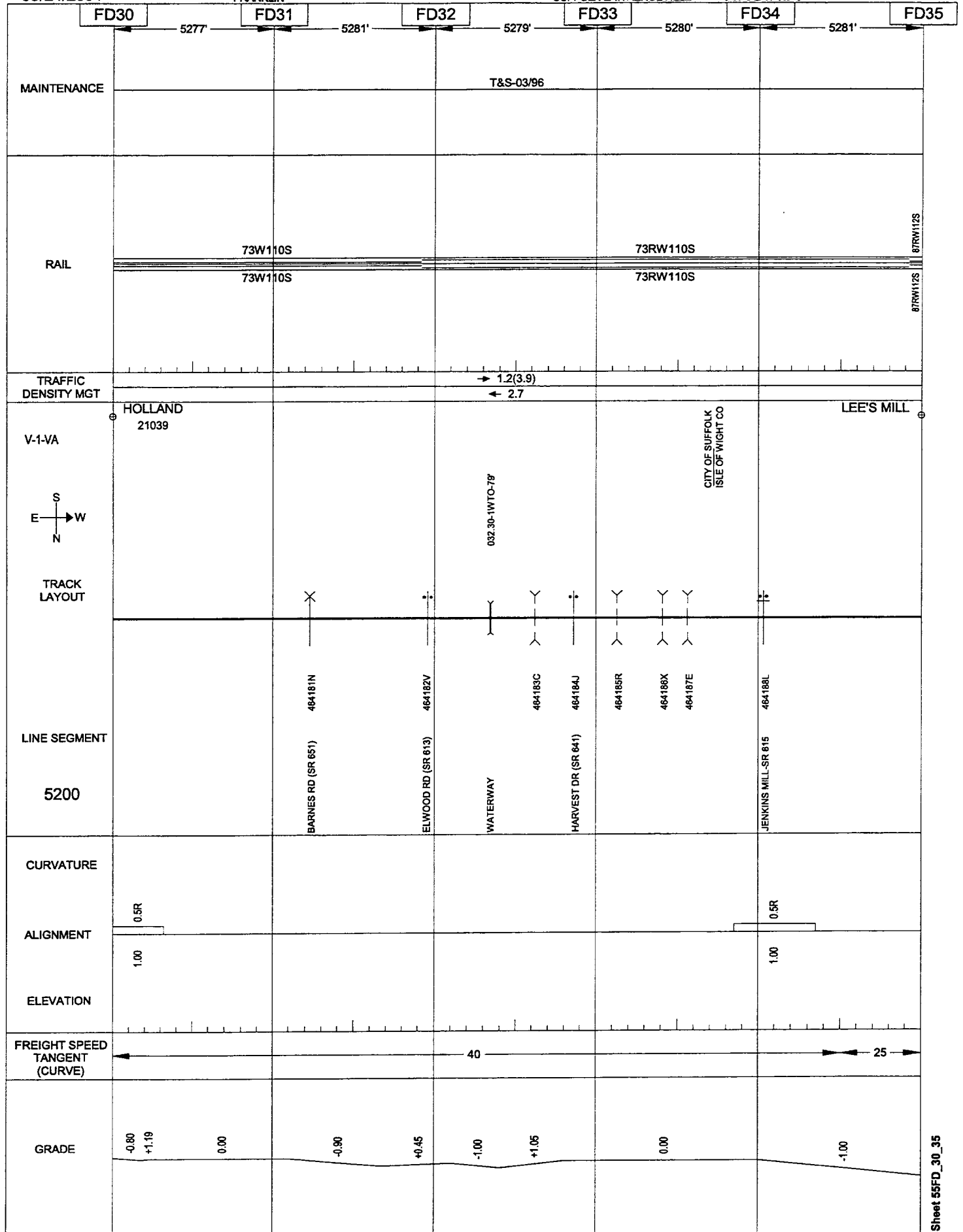


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

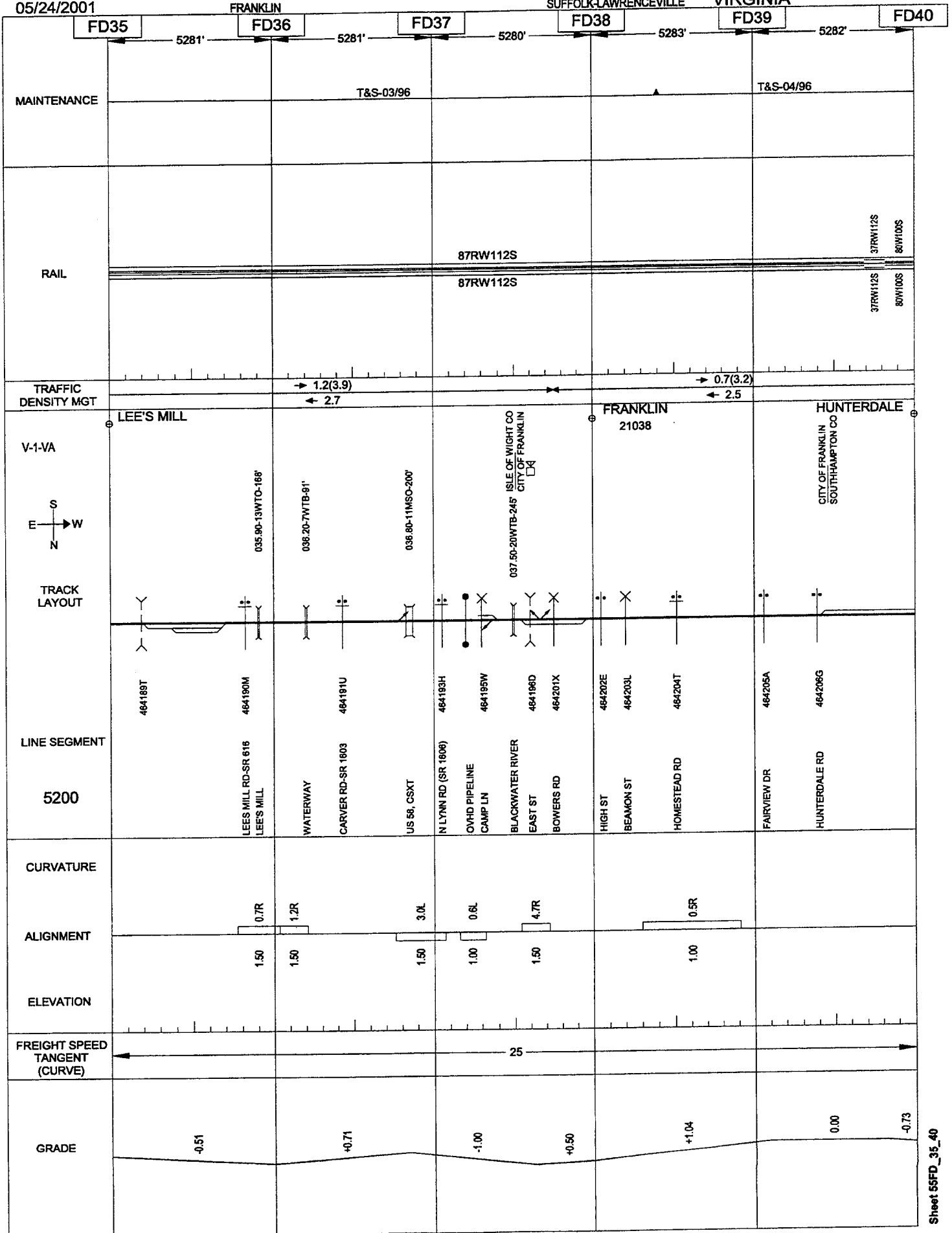


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

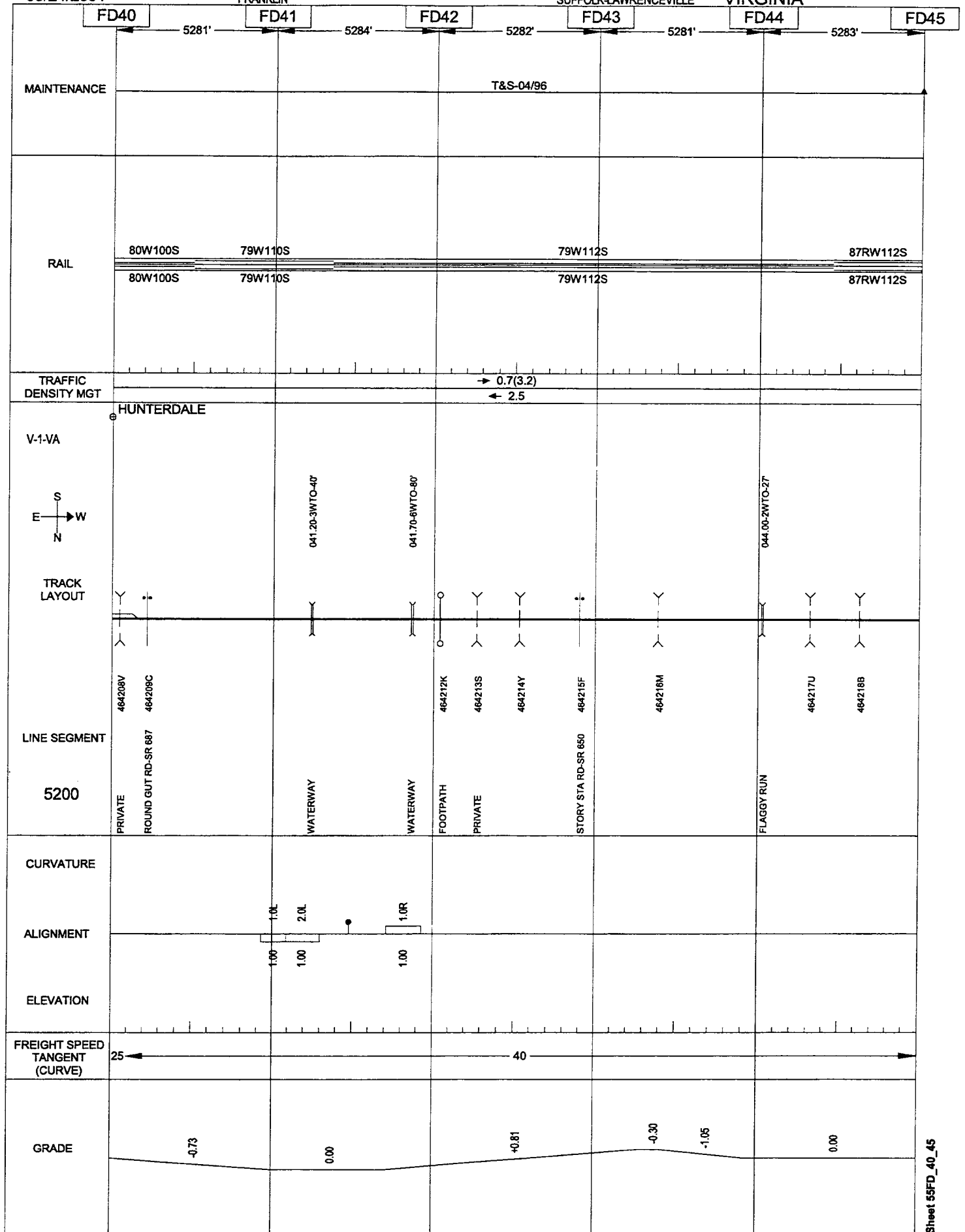


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

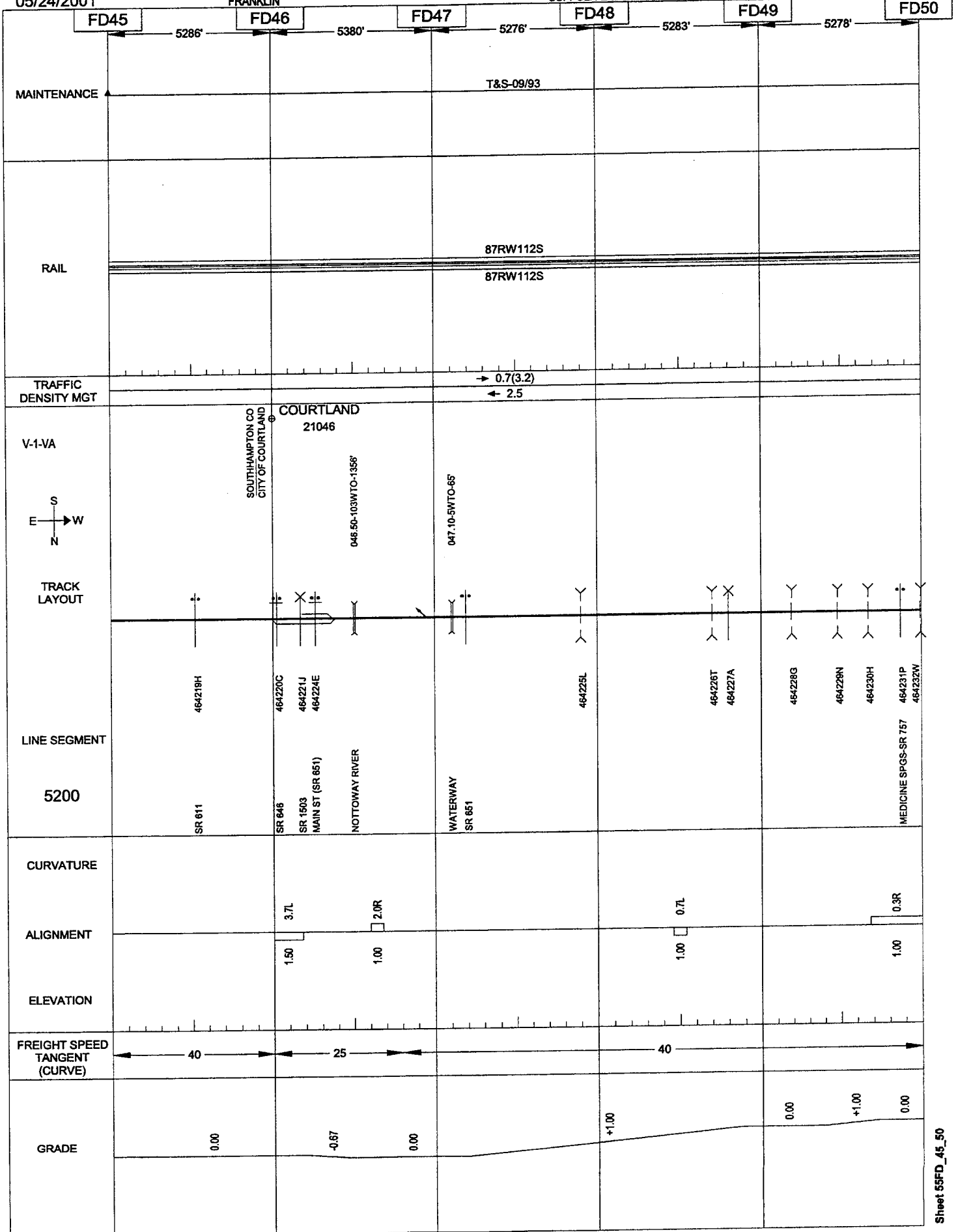


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

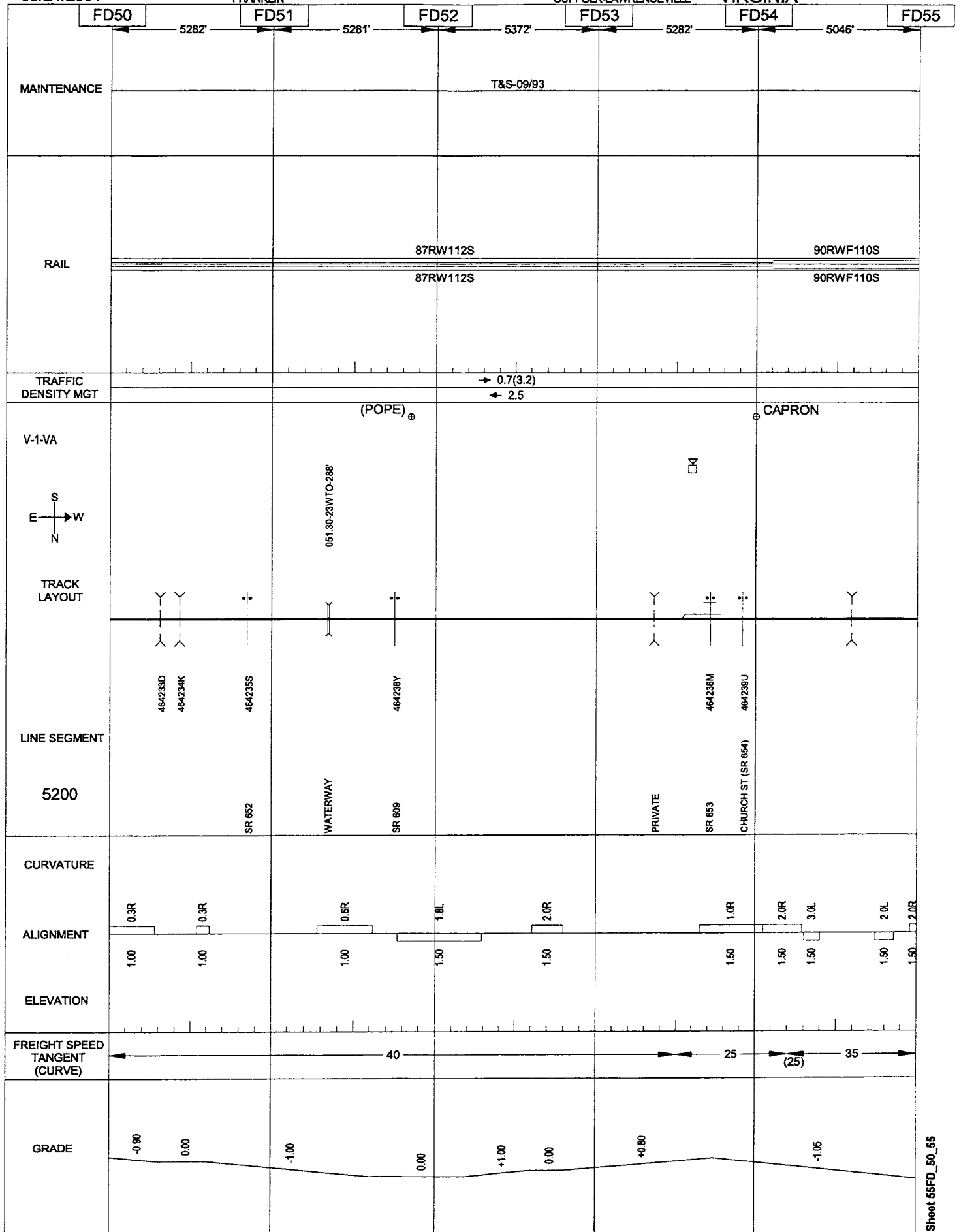


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA



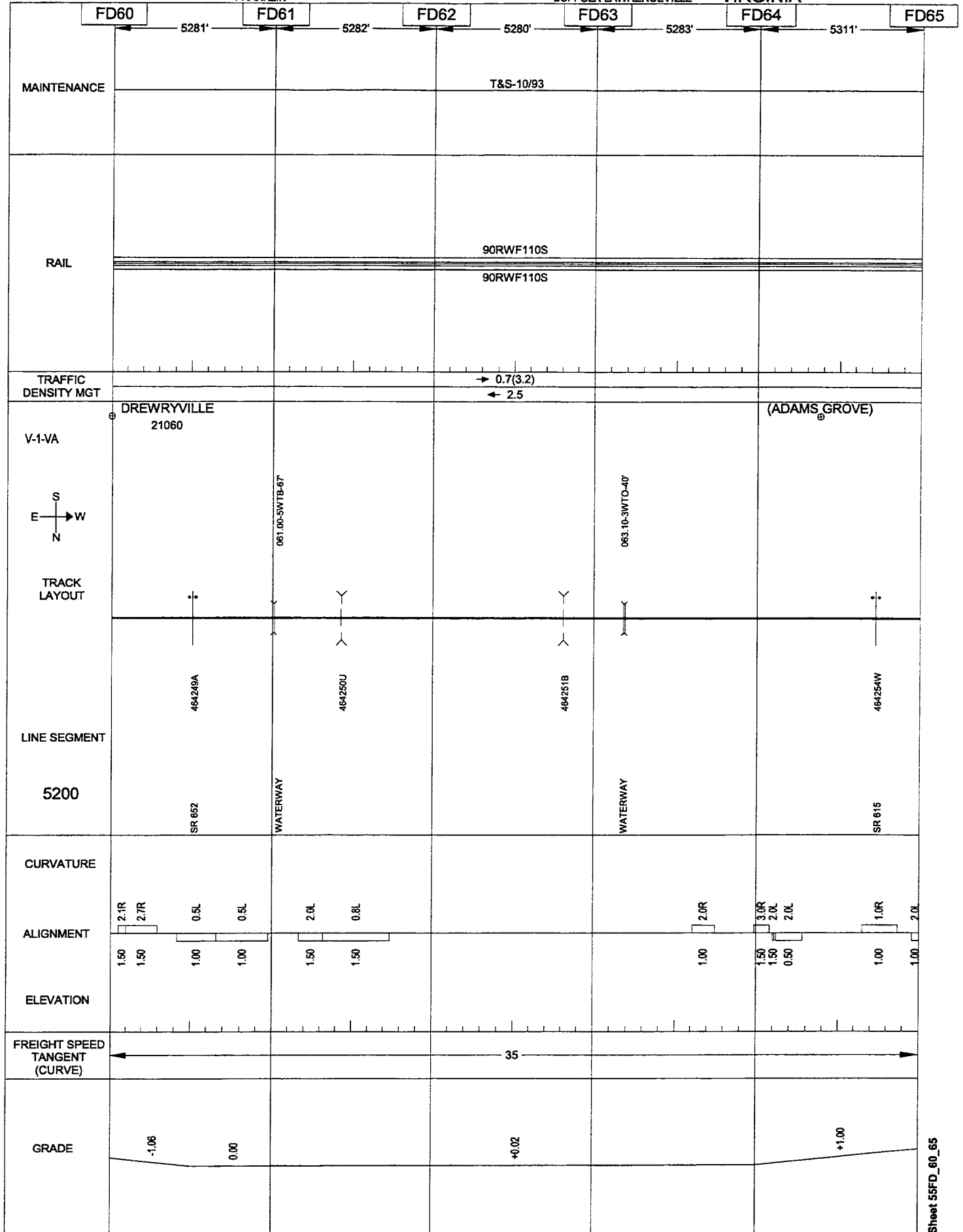
Sheet 55FD_55_60

05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

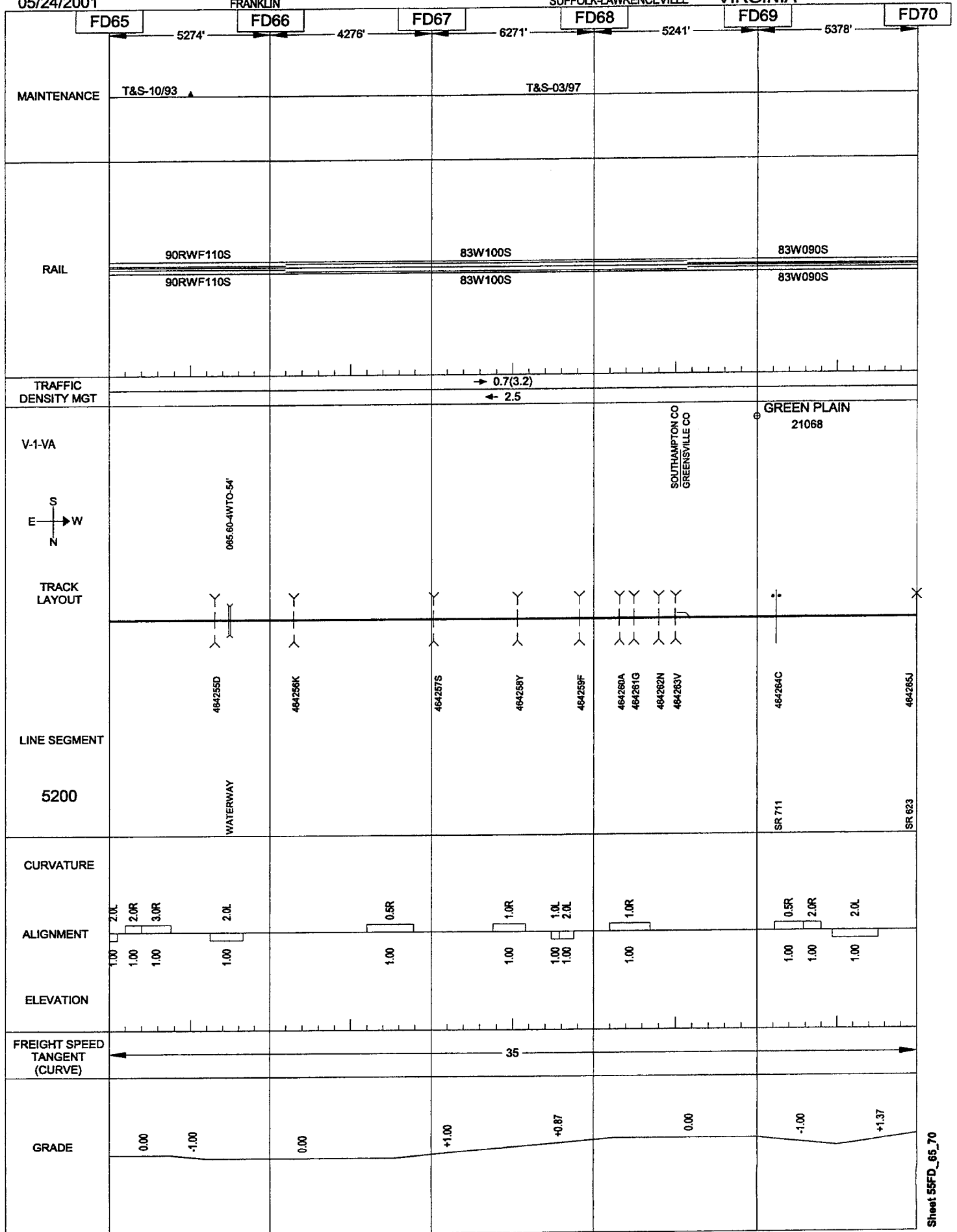


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA



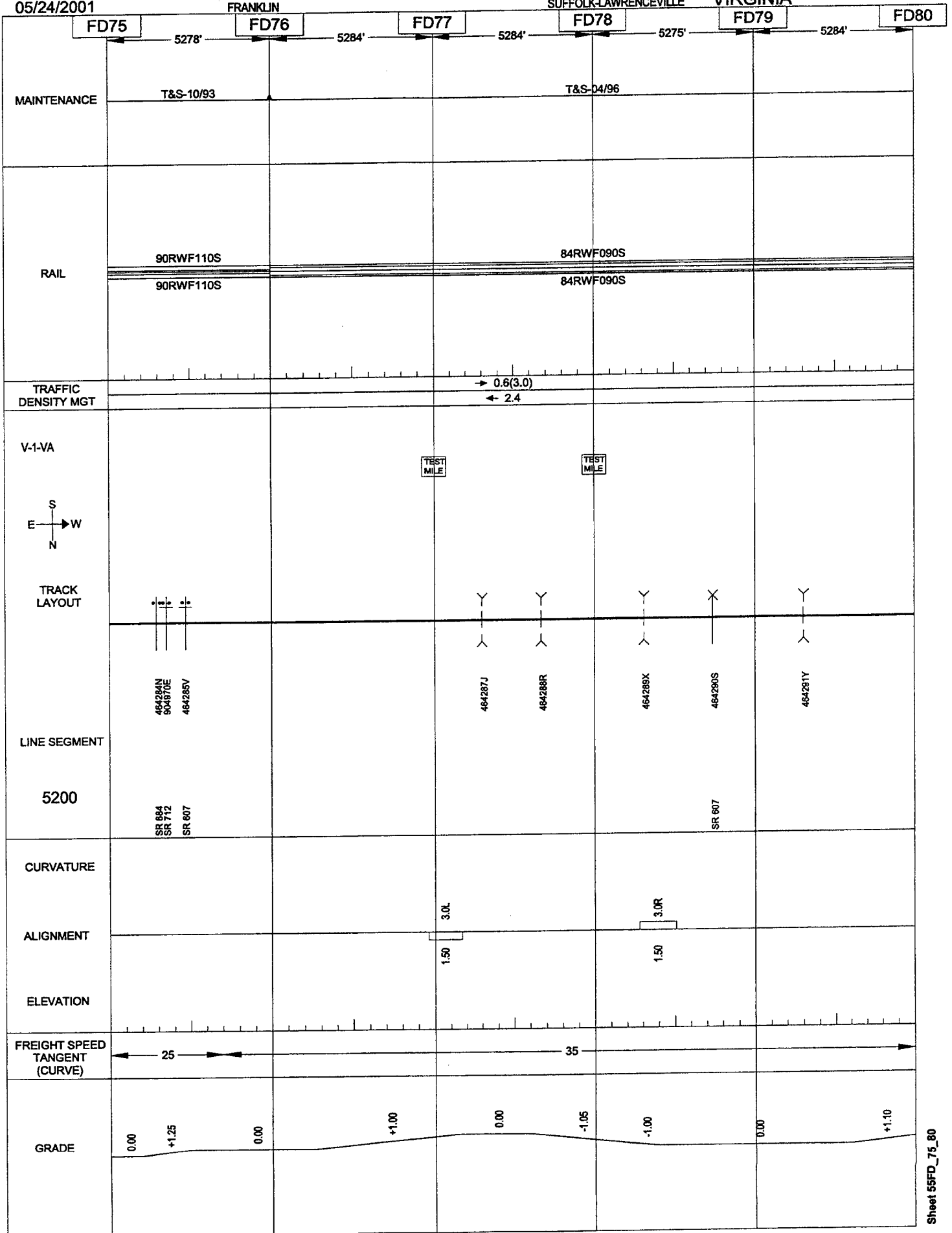
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05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

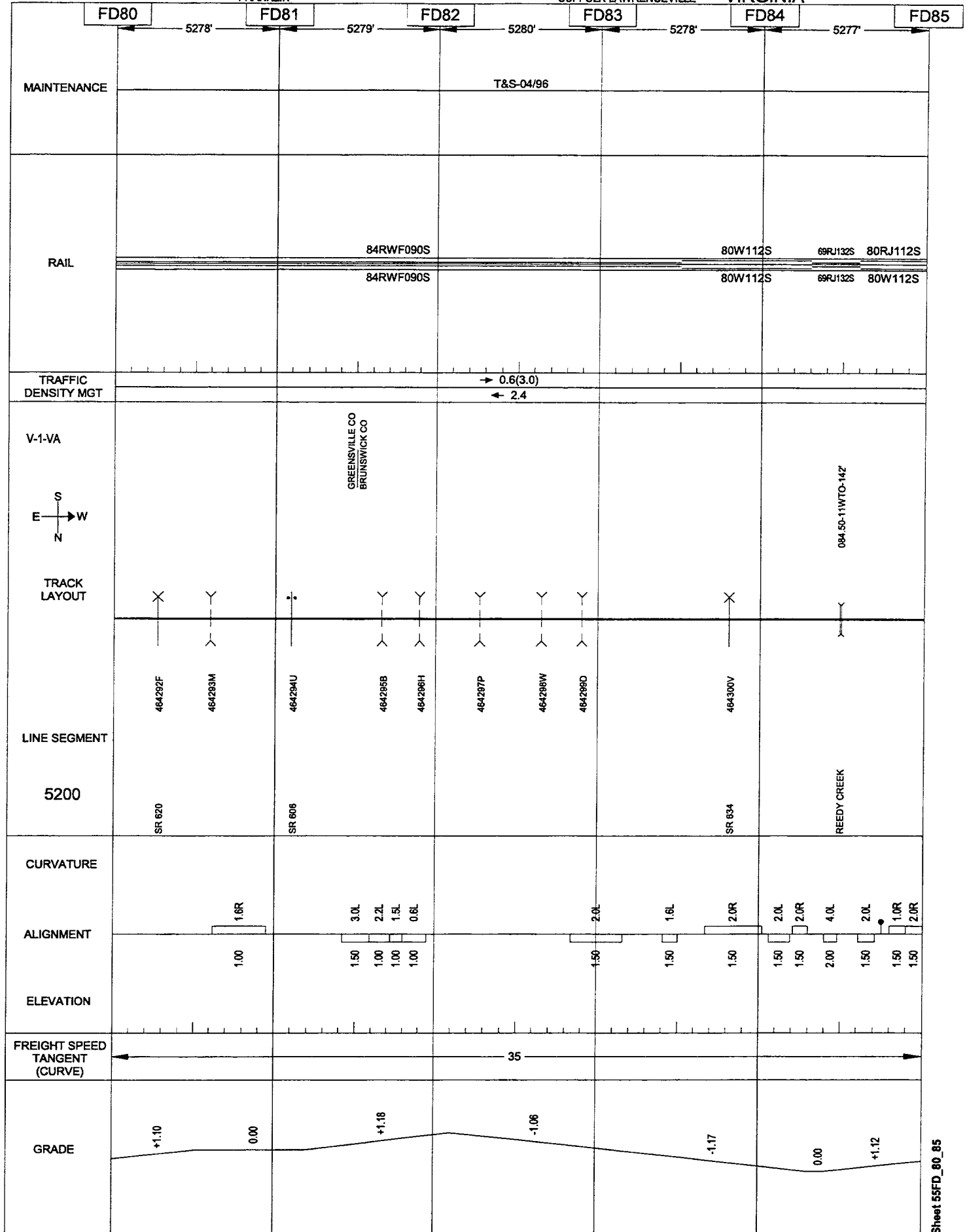


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

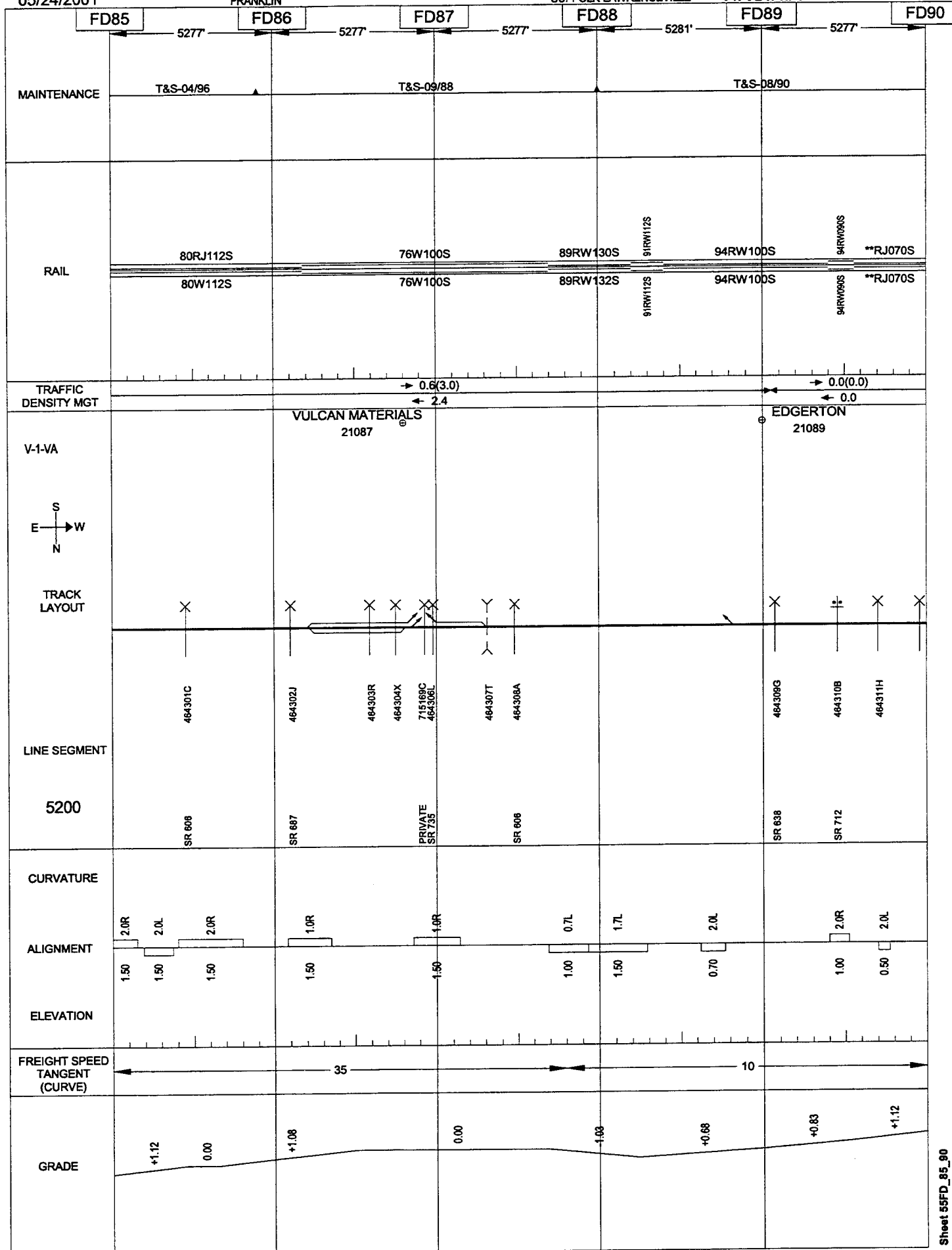


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

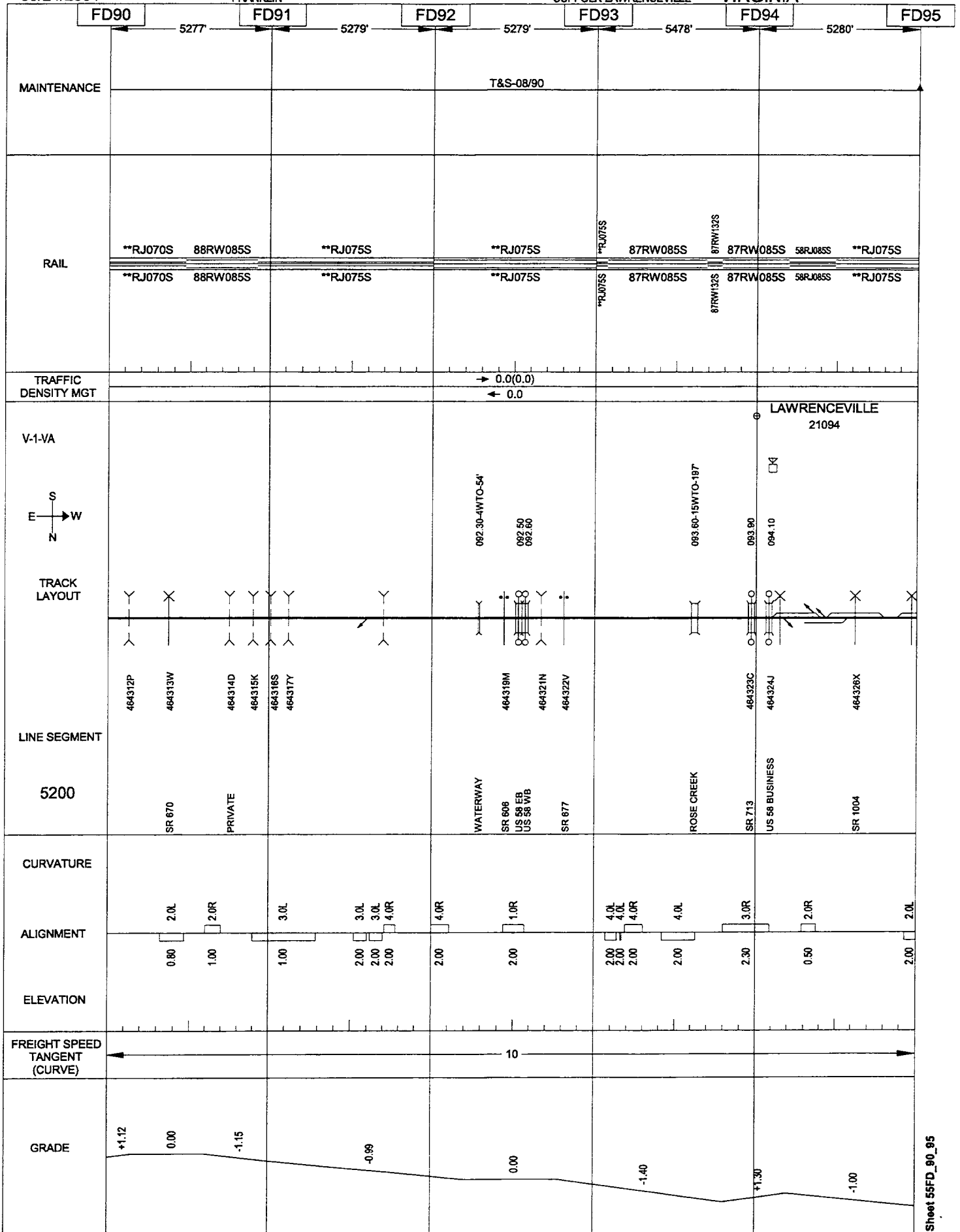


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA



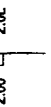


05/24/2001

FRANKLIN

SUFFOLK-LAWRENCEVILLE

VIRGINIA

FD95 MAINTENANCE	5282'				
RAIL					
TRAFFIC DENSITY MGT	0.0				
V-1-VA  TRACK LAYOUT LINE SEGMENT 5200	END OF TRACK				
CURVATURE ALIGNMENT ELEVATION					
FREIGHT SPEED TANGENT (CURVE)	10				
GRADE	0.00				

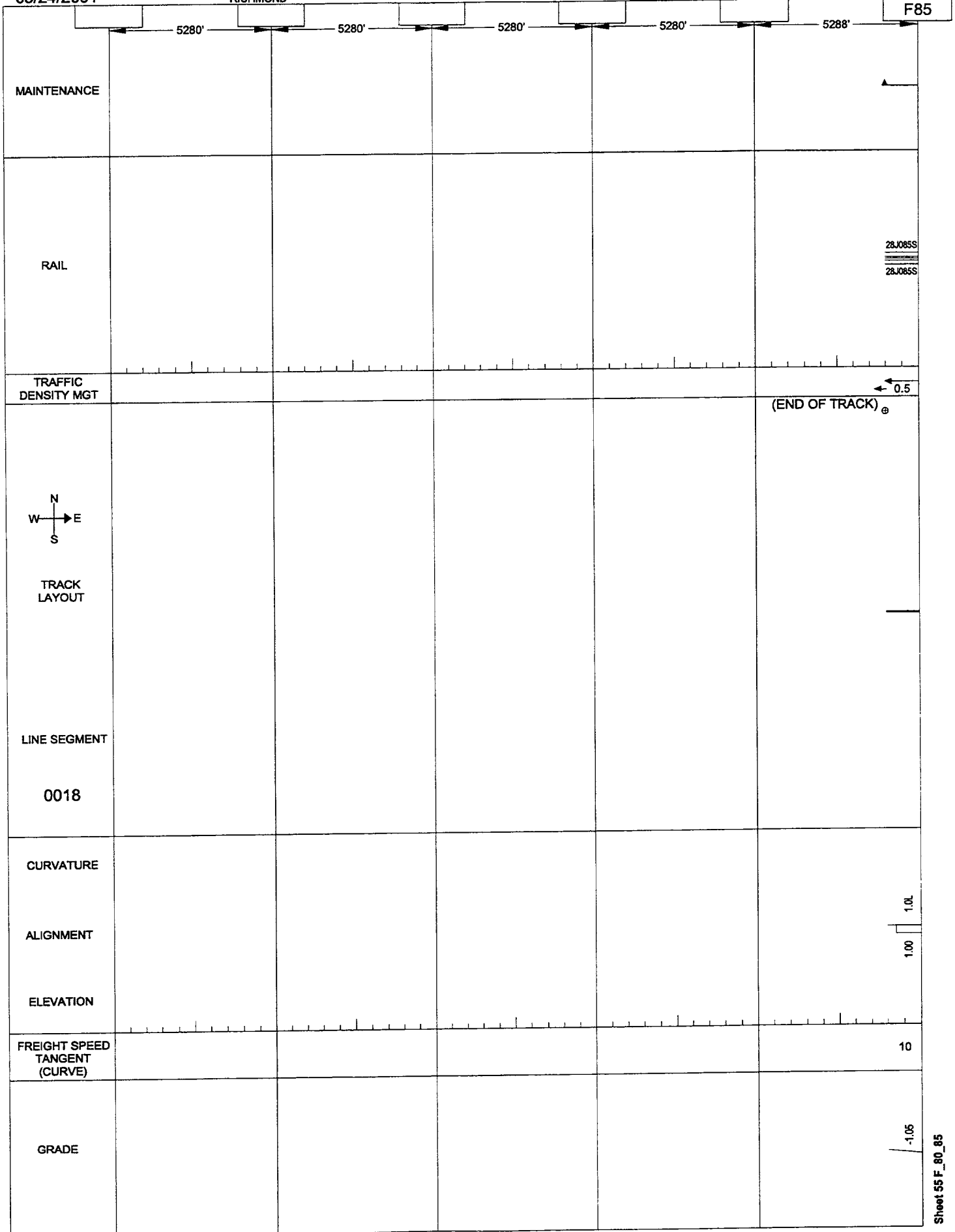
05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

F85

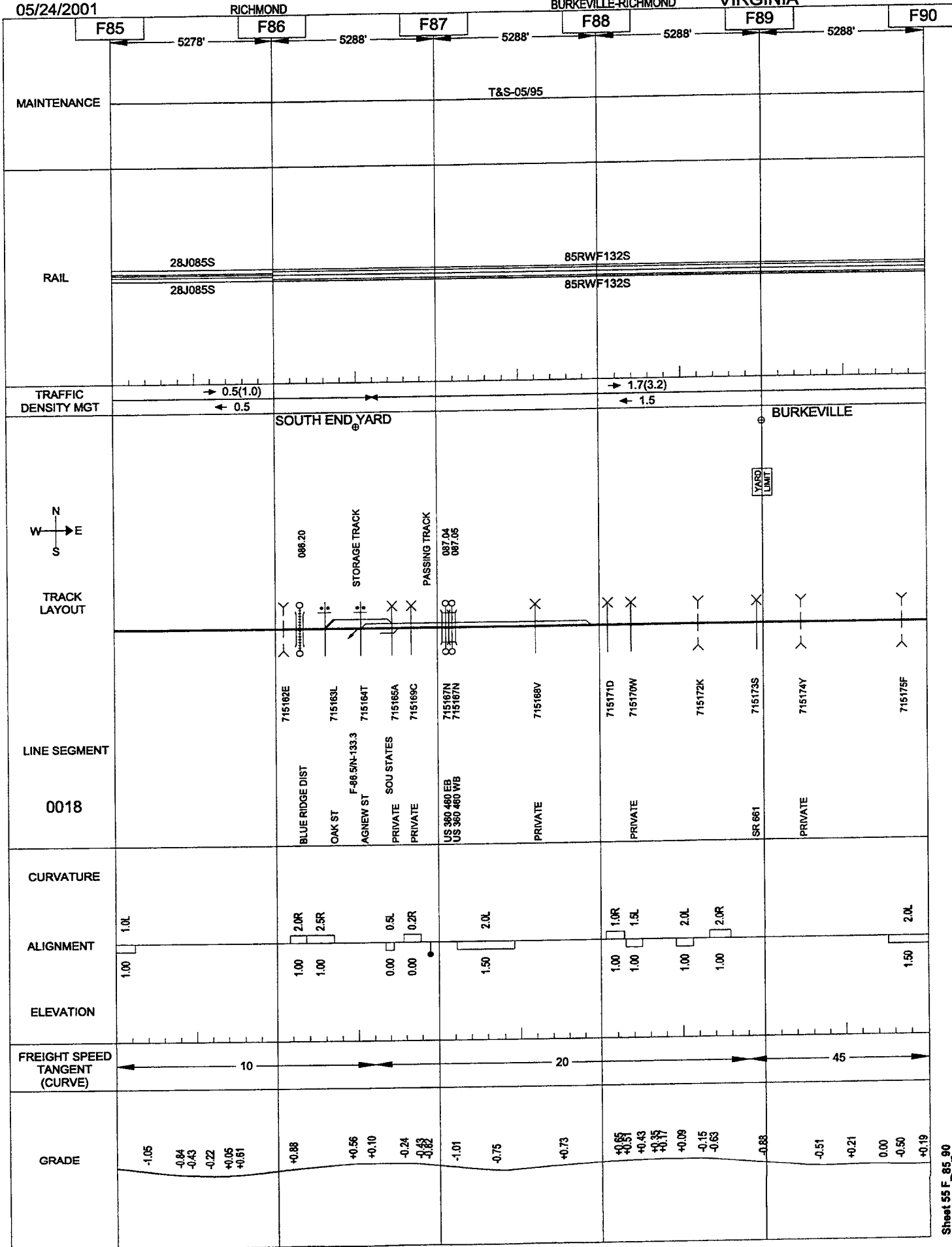


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

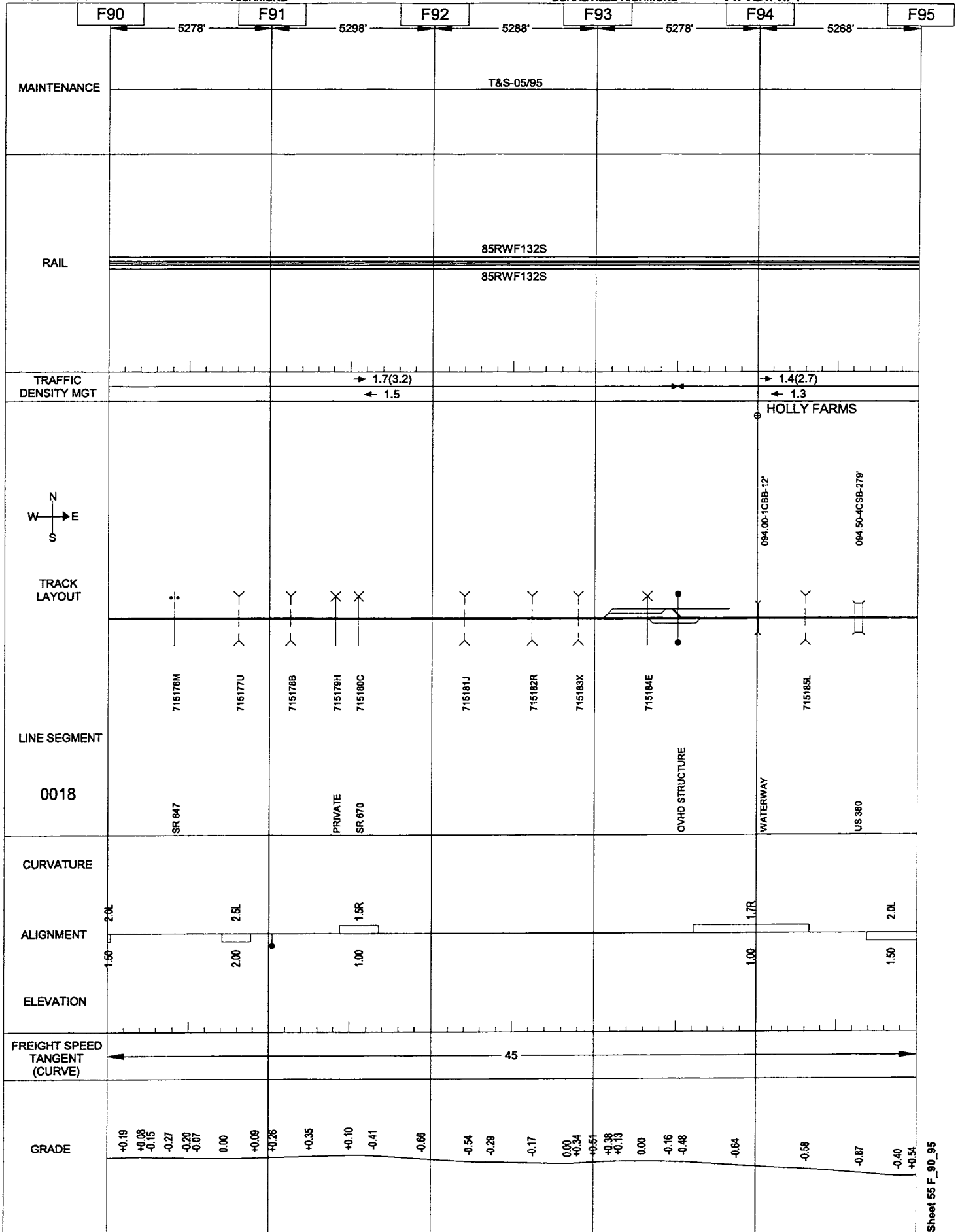


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

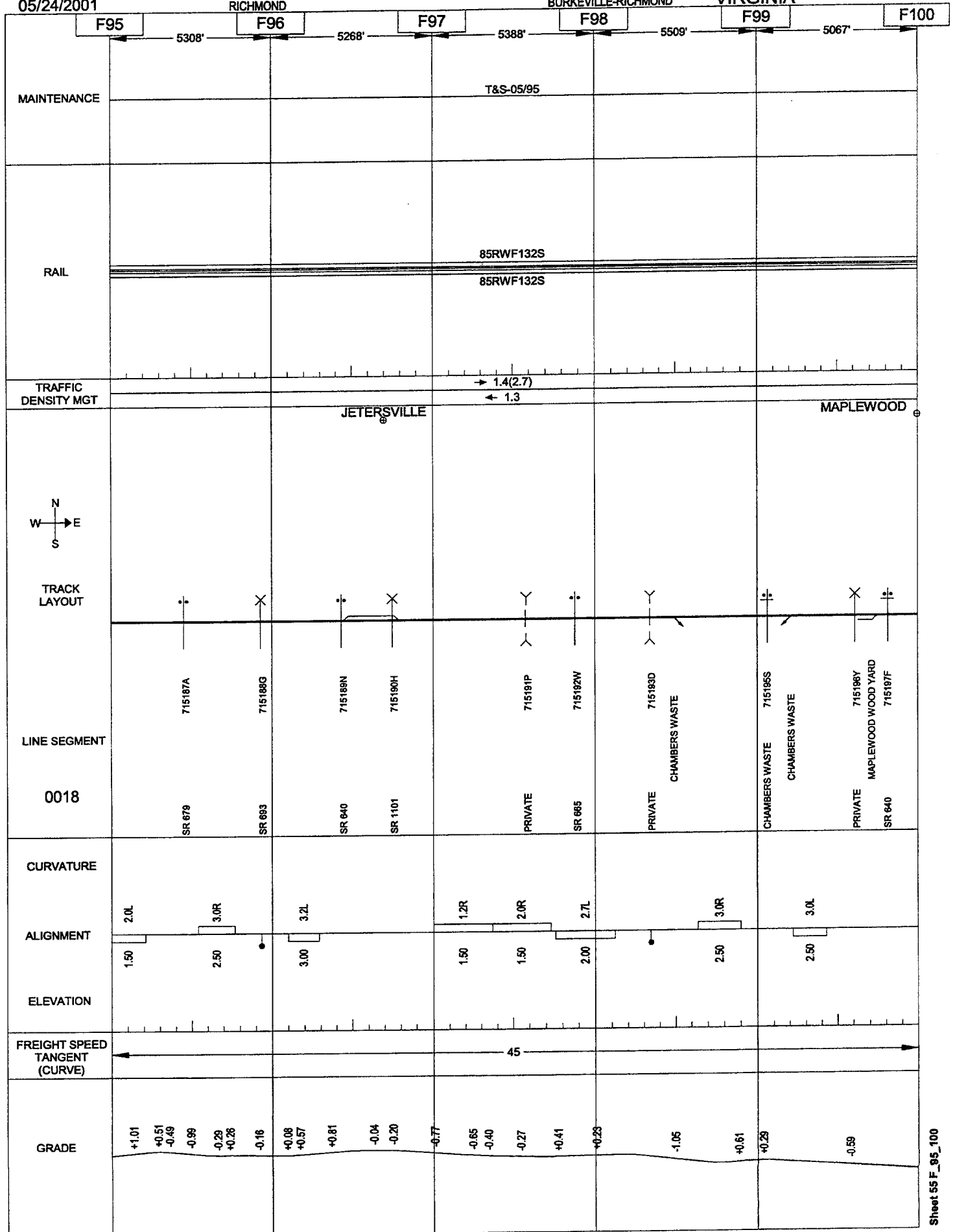


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

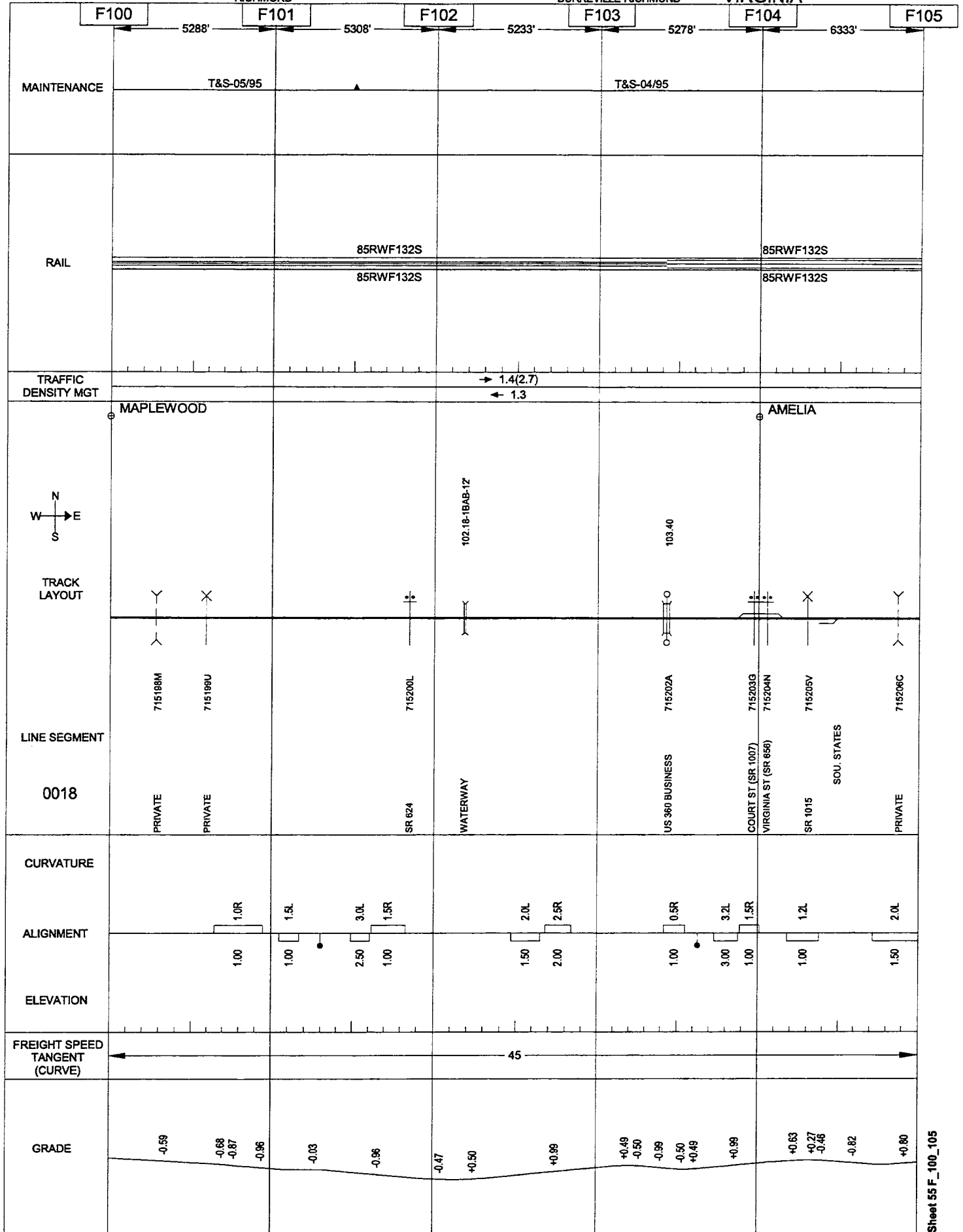


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA



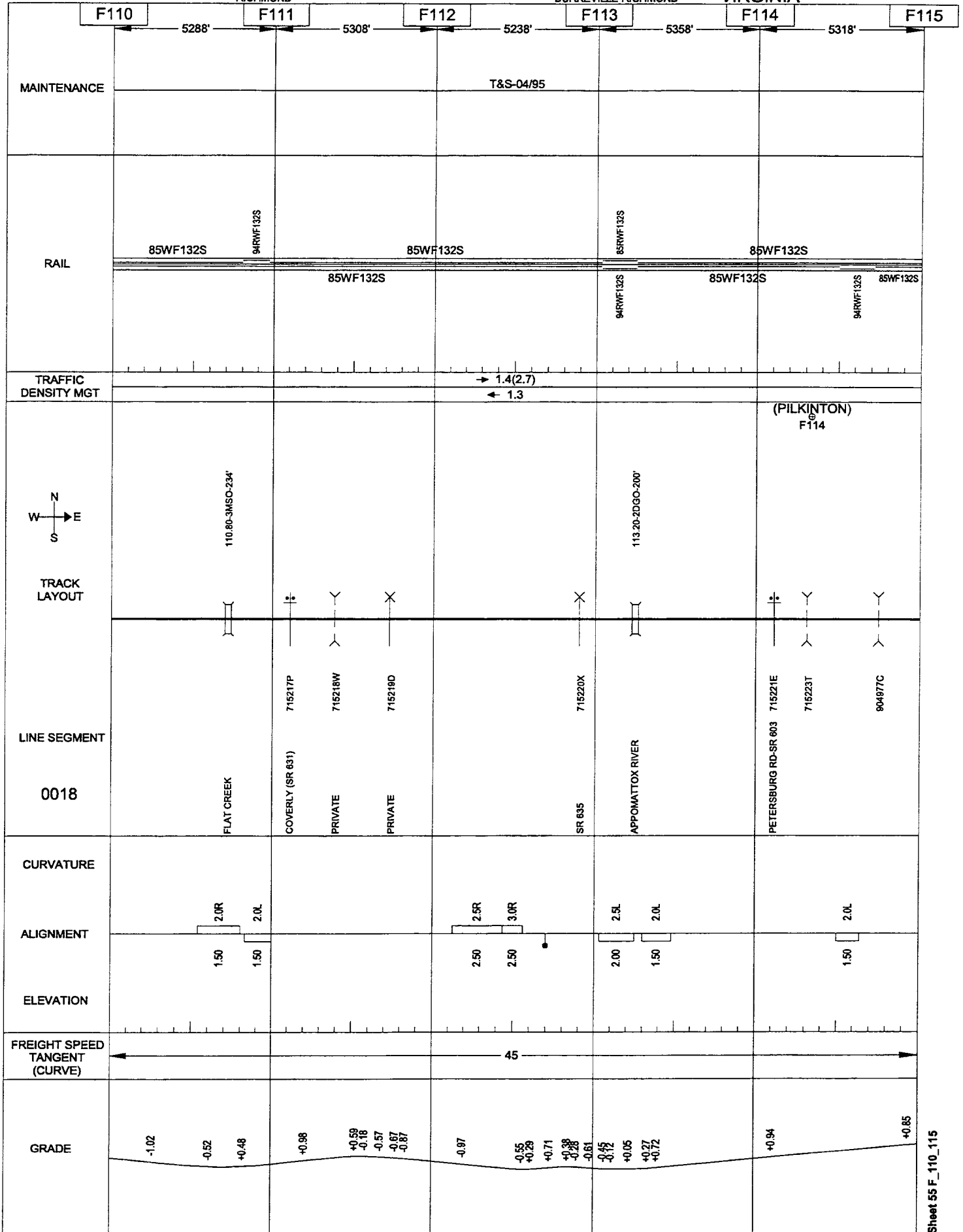
Sheet 55 F_105_110

05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

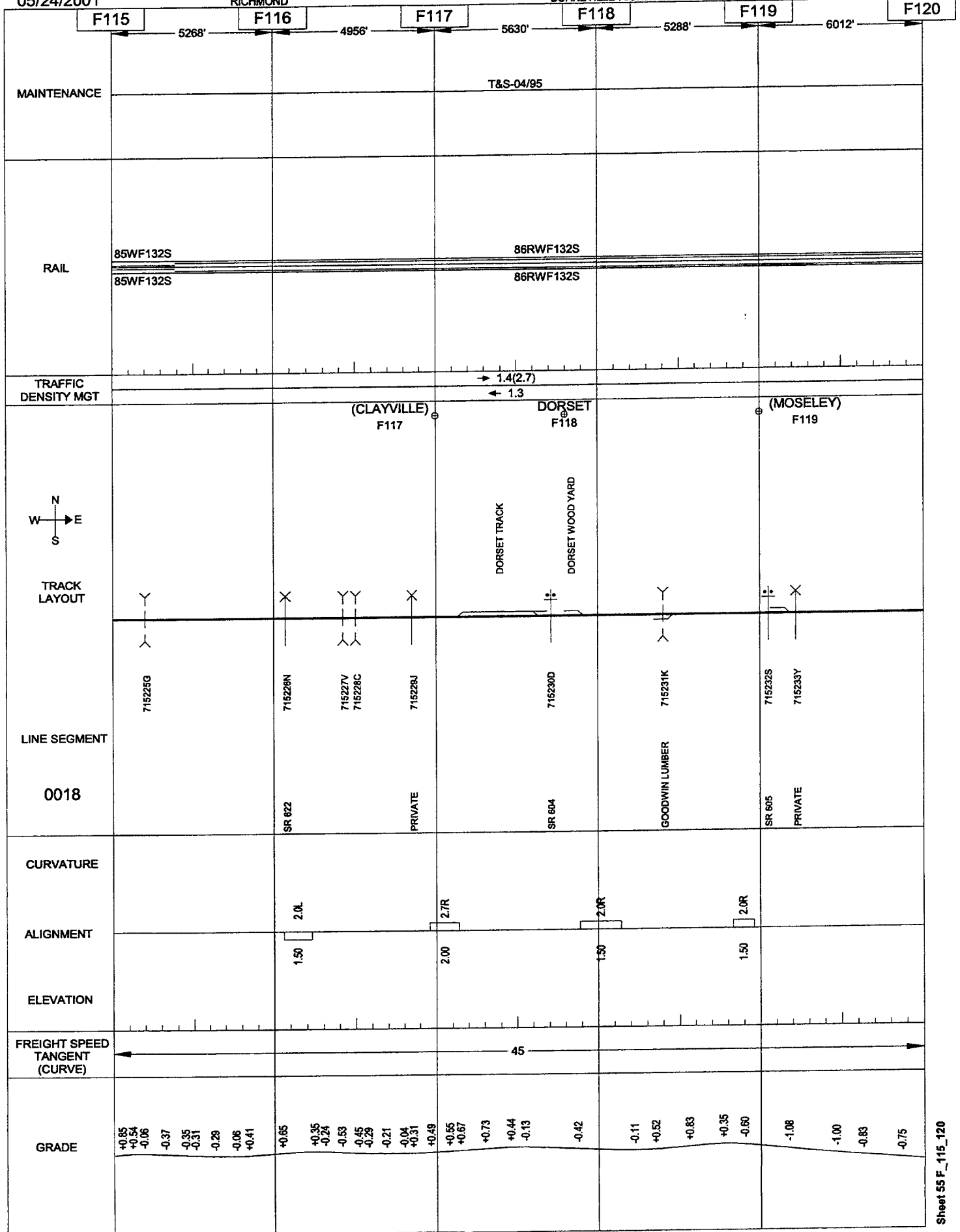


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

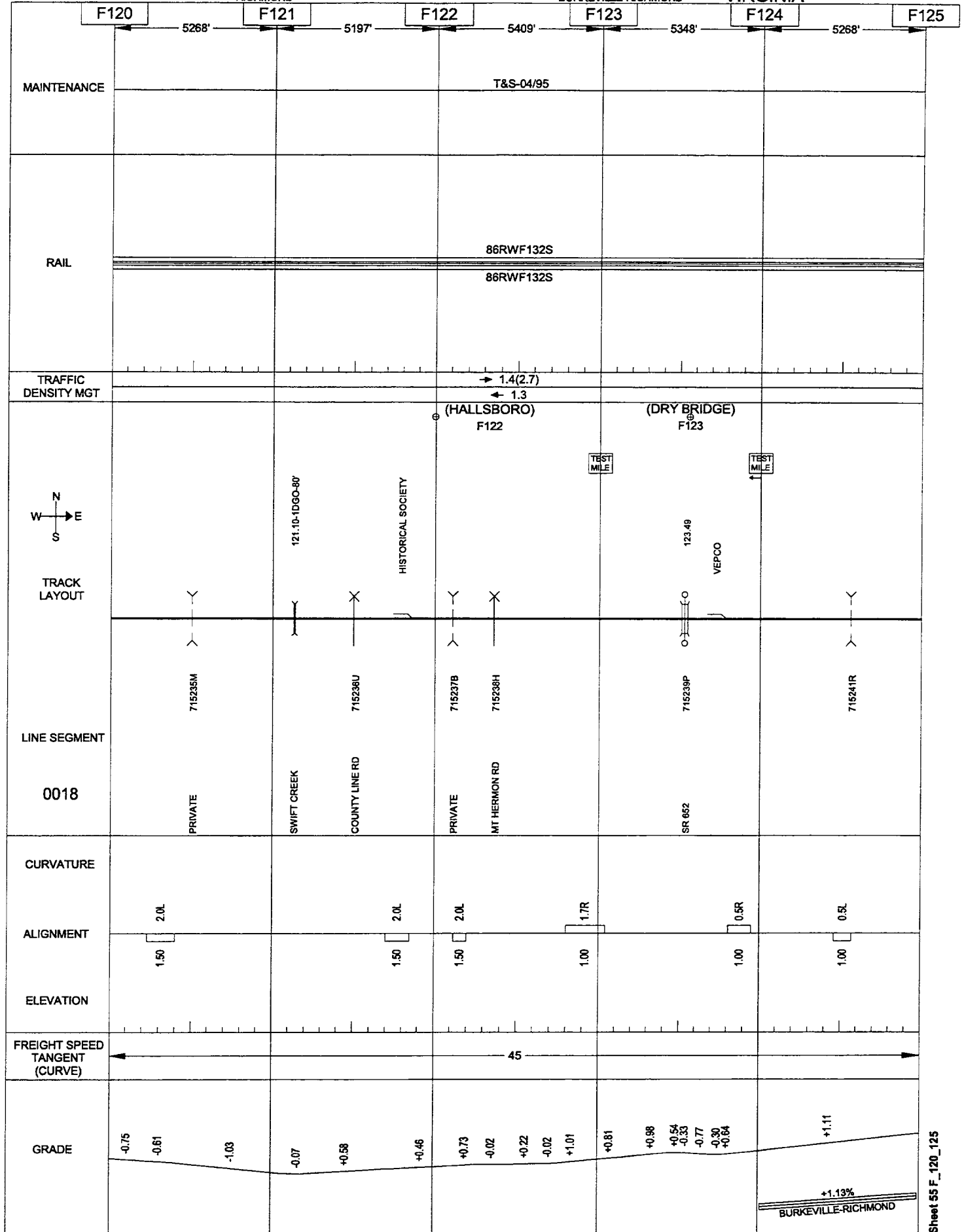


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

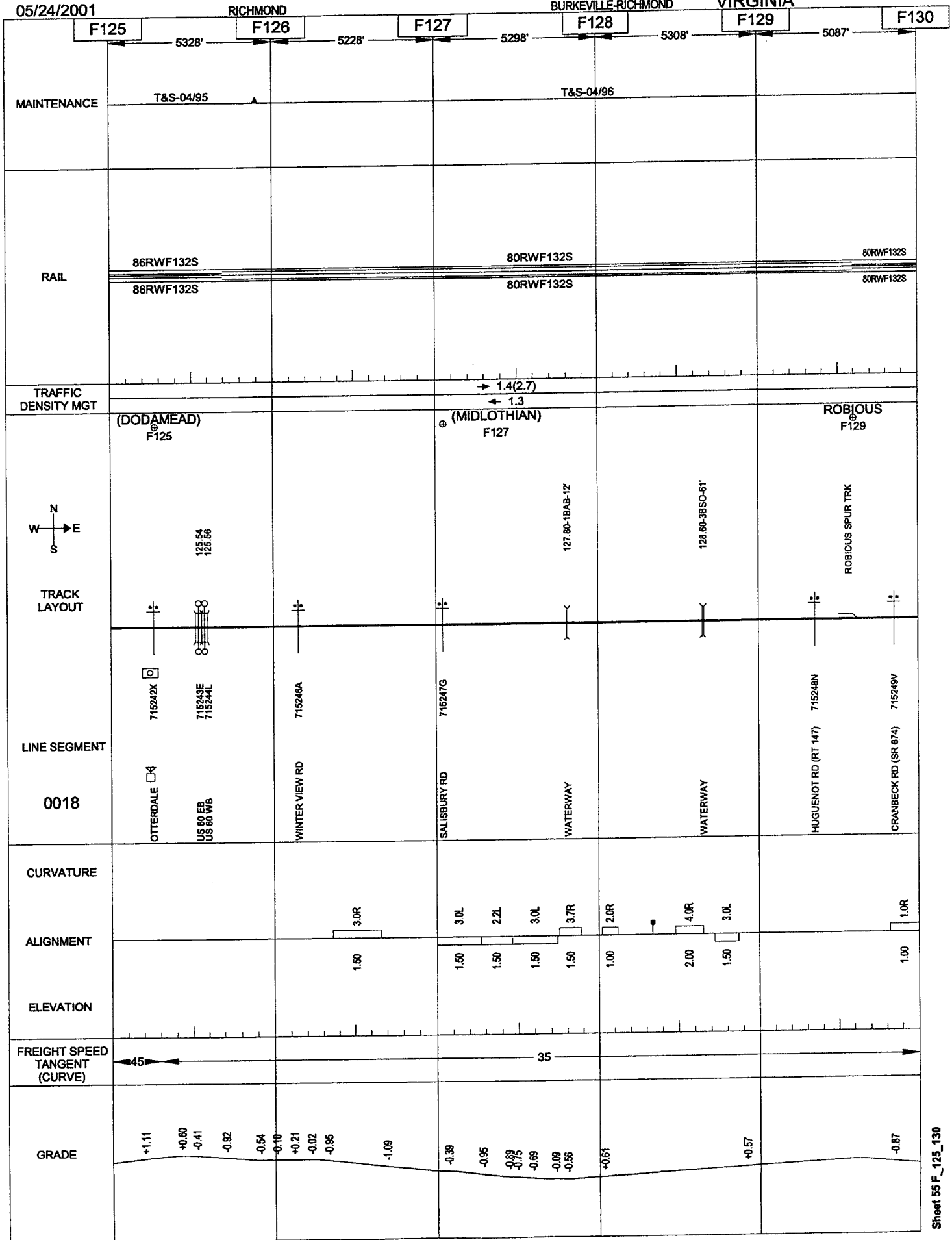


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

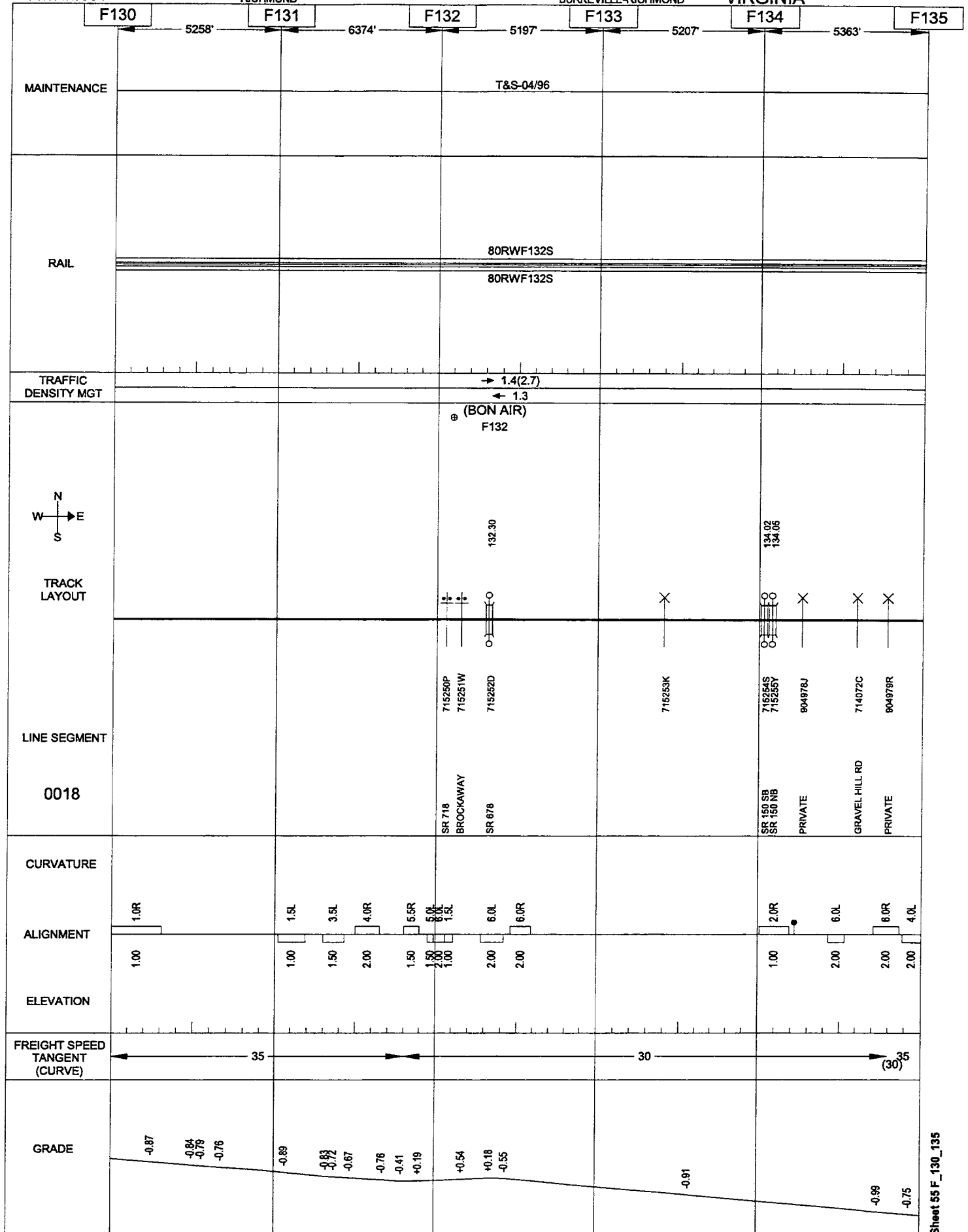


05/24/2001

RICHMOND

BURKEVILLE-RICHMOND

VIRGINIA

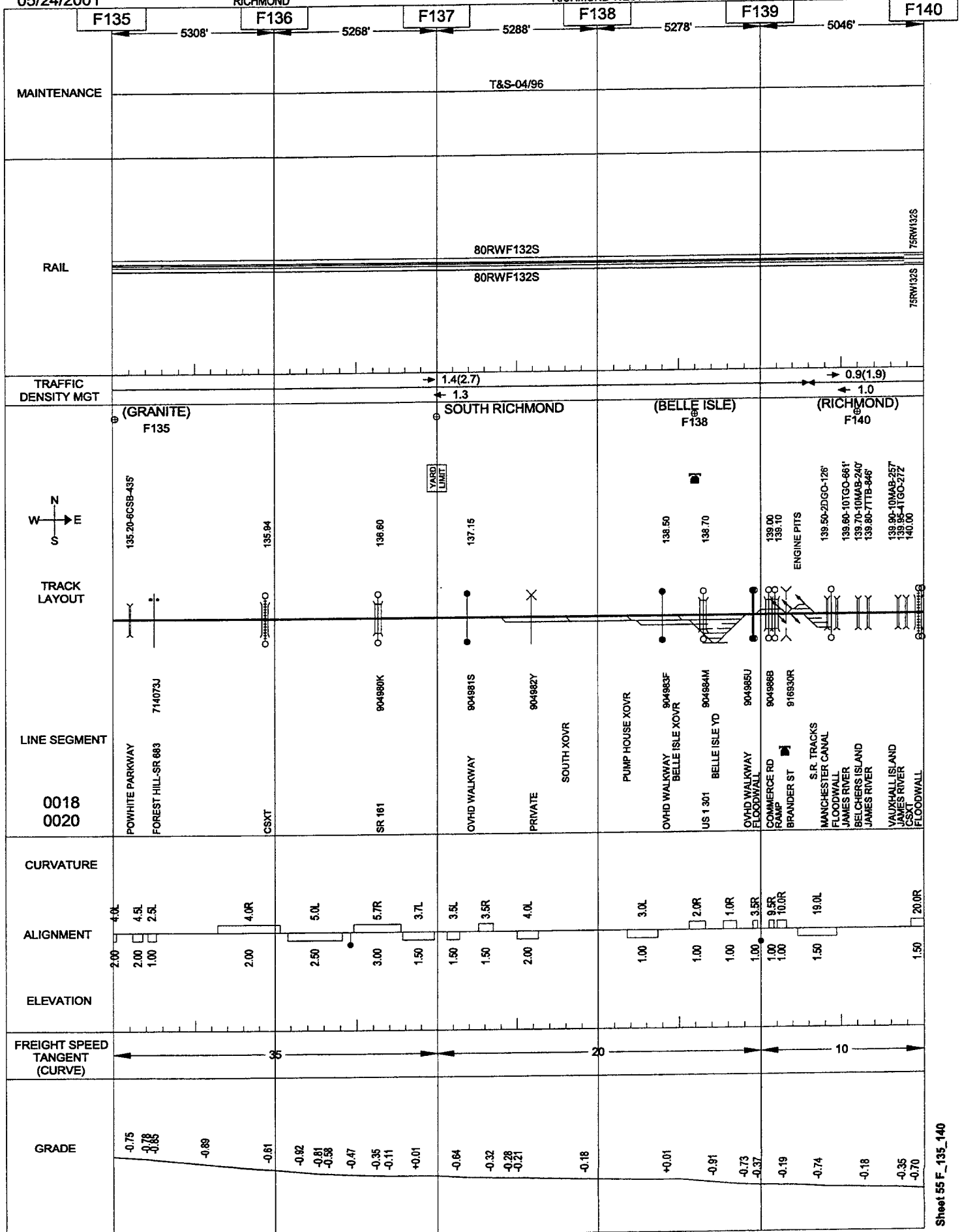


05/24/2001

RICHMOND

RICHMOND-WEST POINT

VIRGINIA



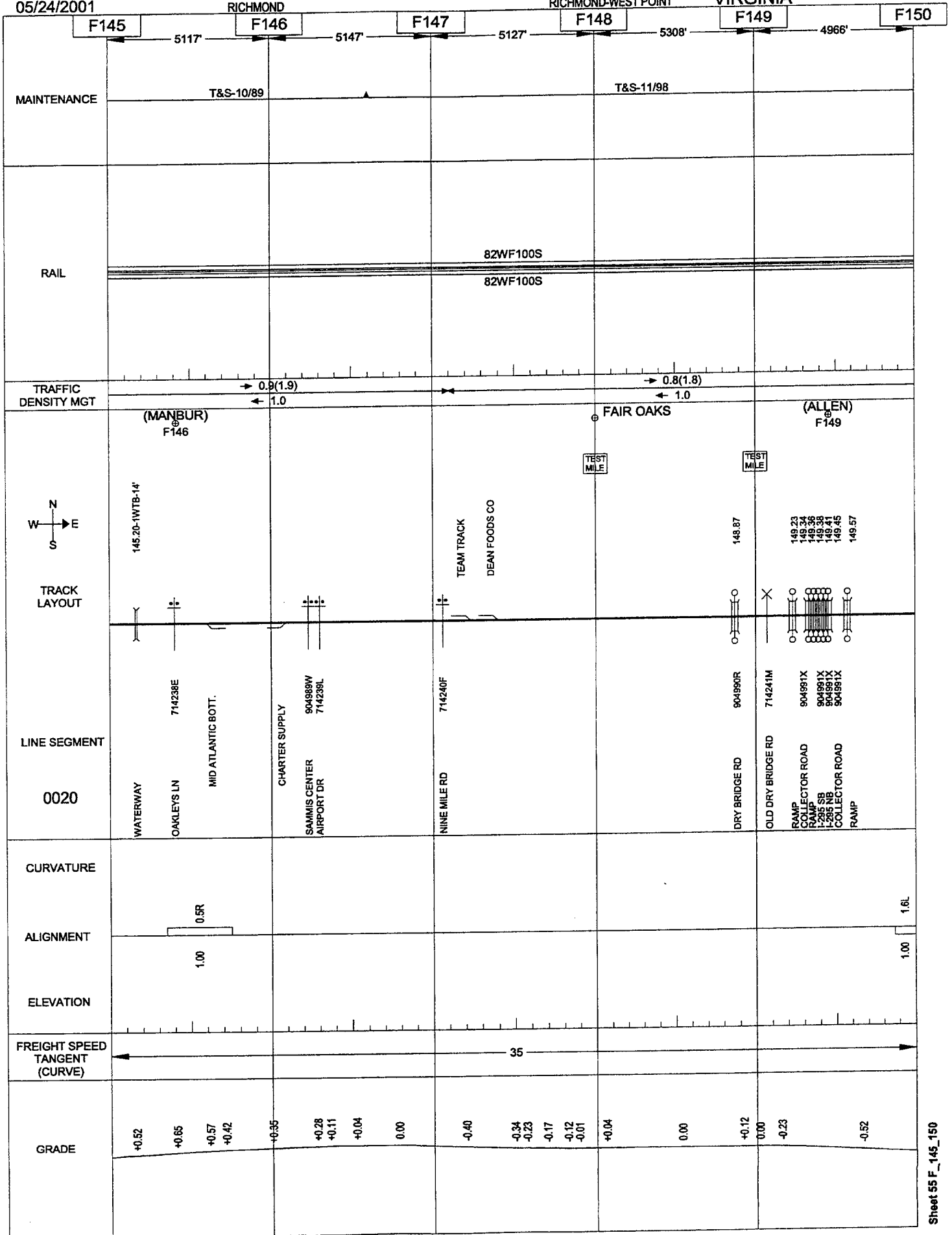
Sheet 55 F_140_145

05/24/2001

RICHMOND

RICHMOND-WEST POINT

VIRGINIA

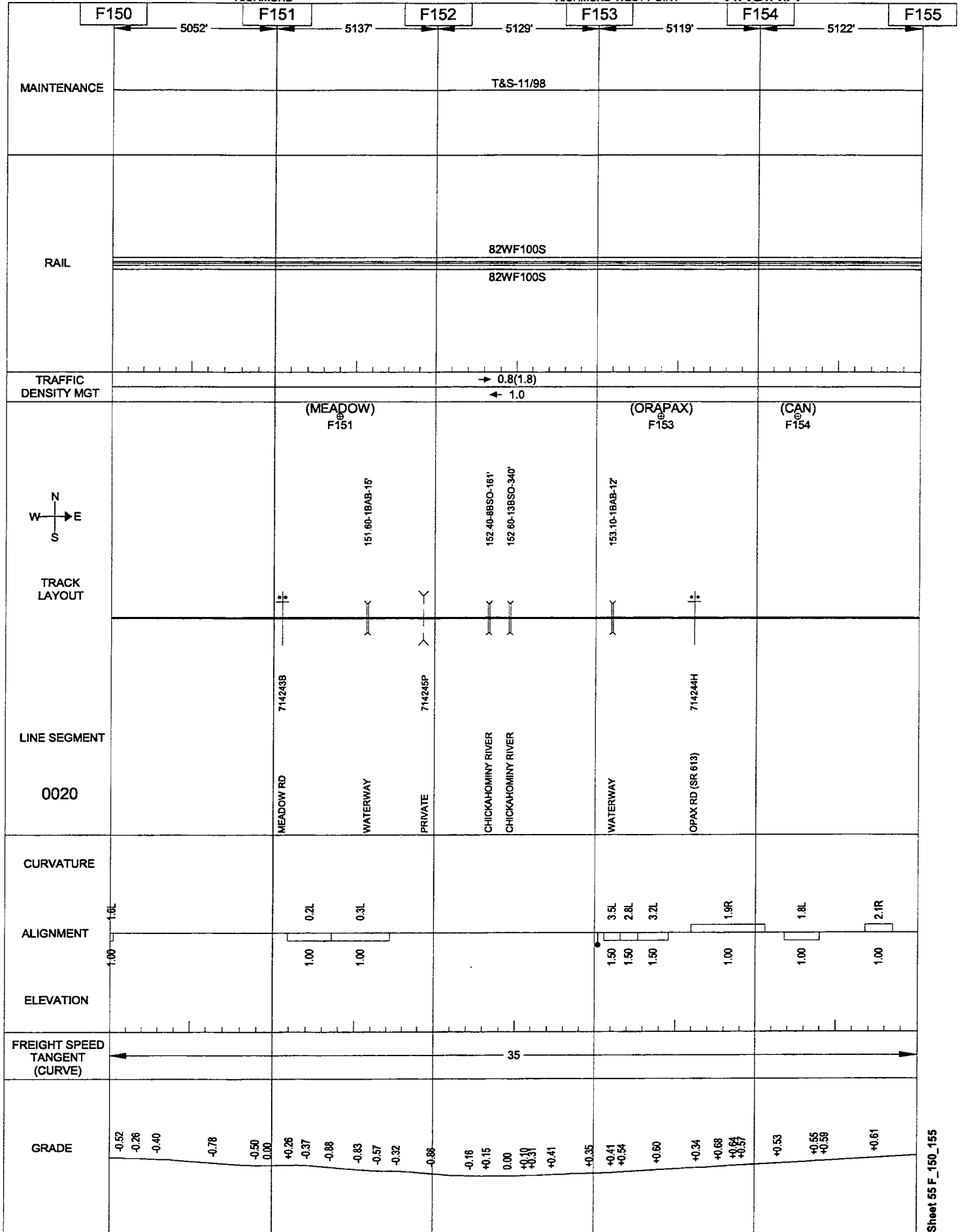


05/24/2001

RICHMOND

RICHMOND-WEST POINT

VIRGINIA

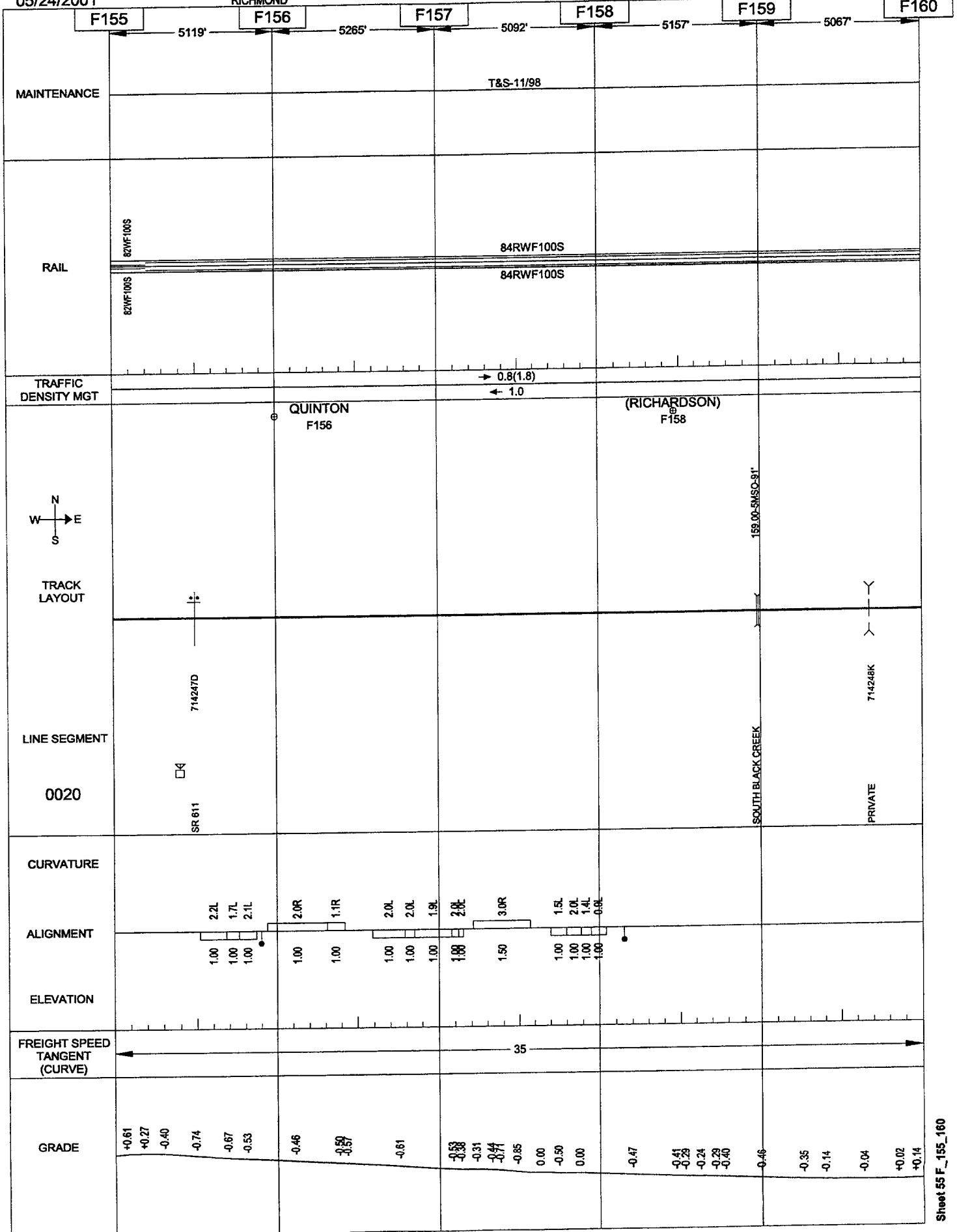


05/24/2001

RICHMOND

RICHMOND-WEST POINT

VIRGINIA

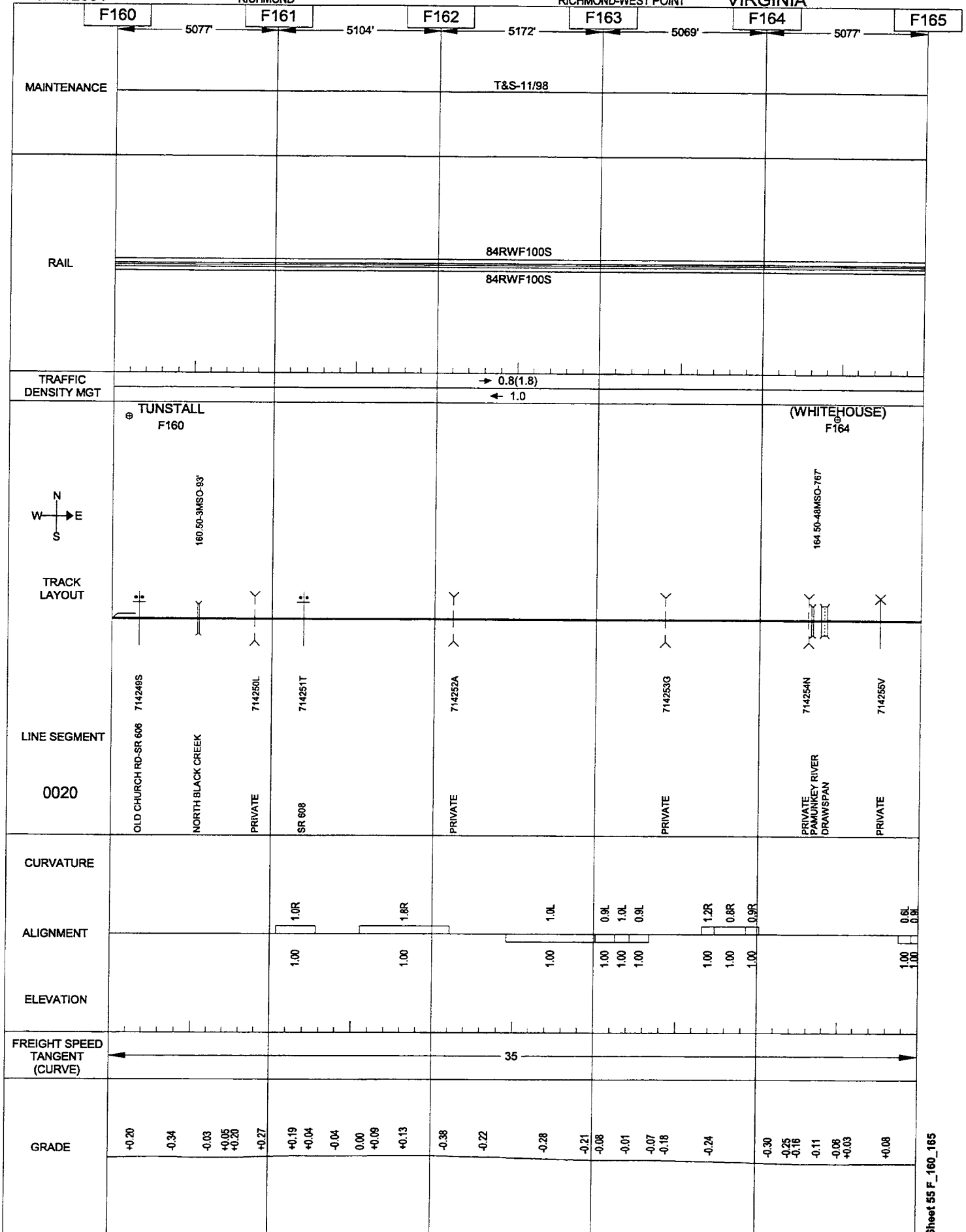


05/24/2001

RICHMOND

RICHMOND-WEST POINT

VIRGINIA



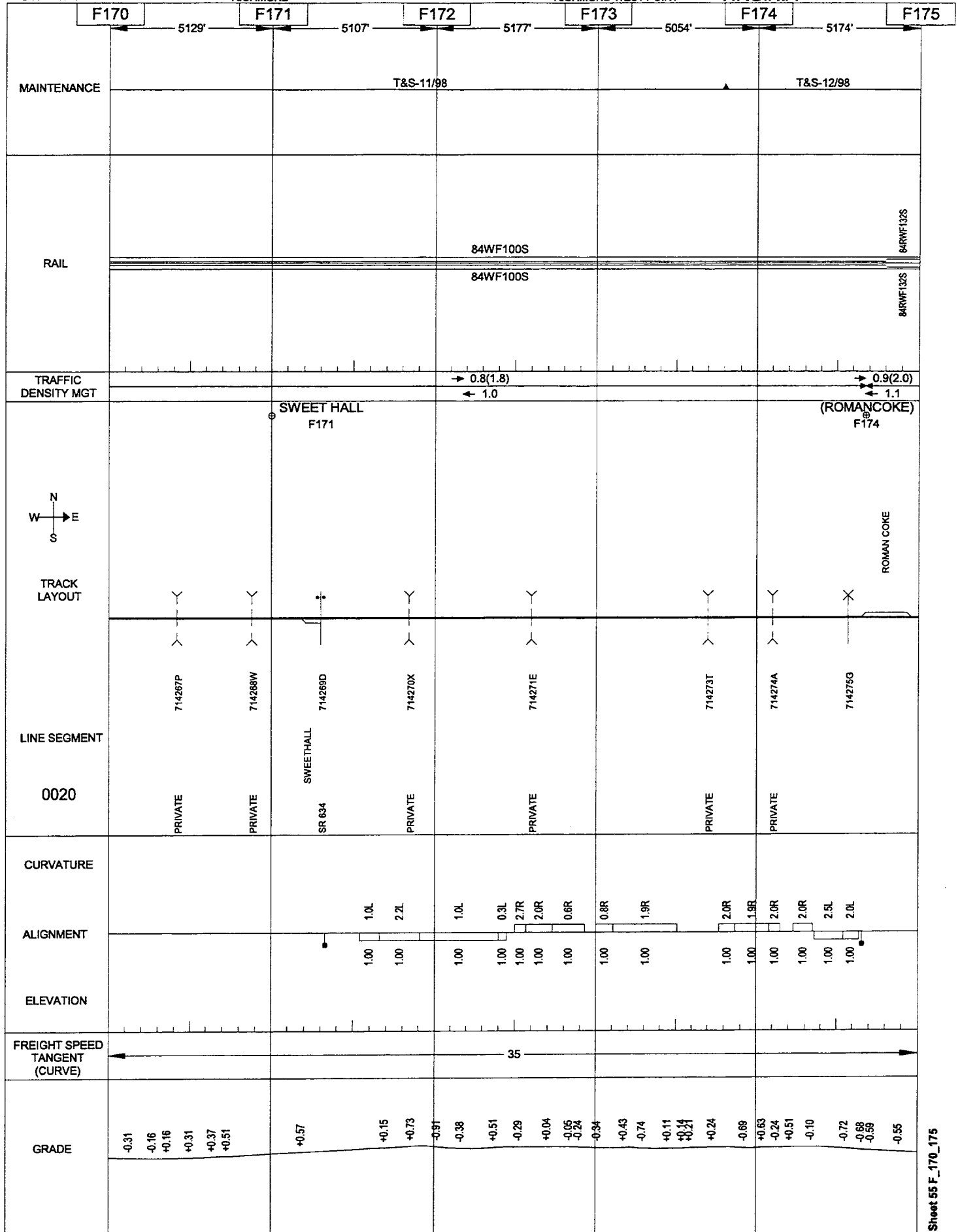
Sheet 55 F_165_170

05/24/2001

RICHMOND

RICHMOND-WEST POINT

VIRGINIA

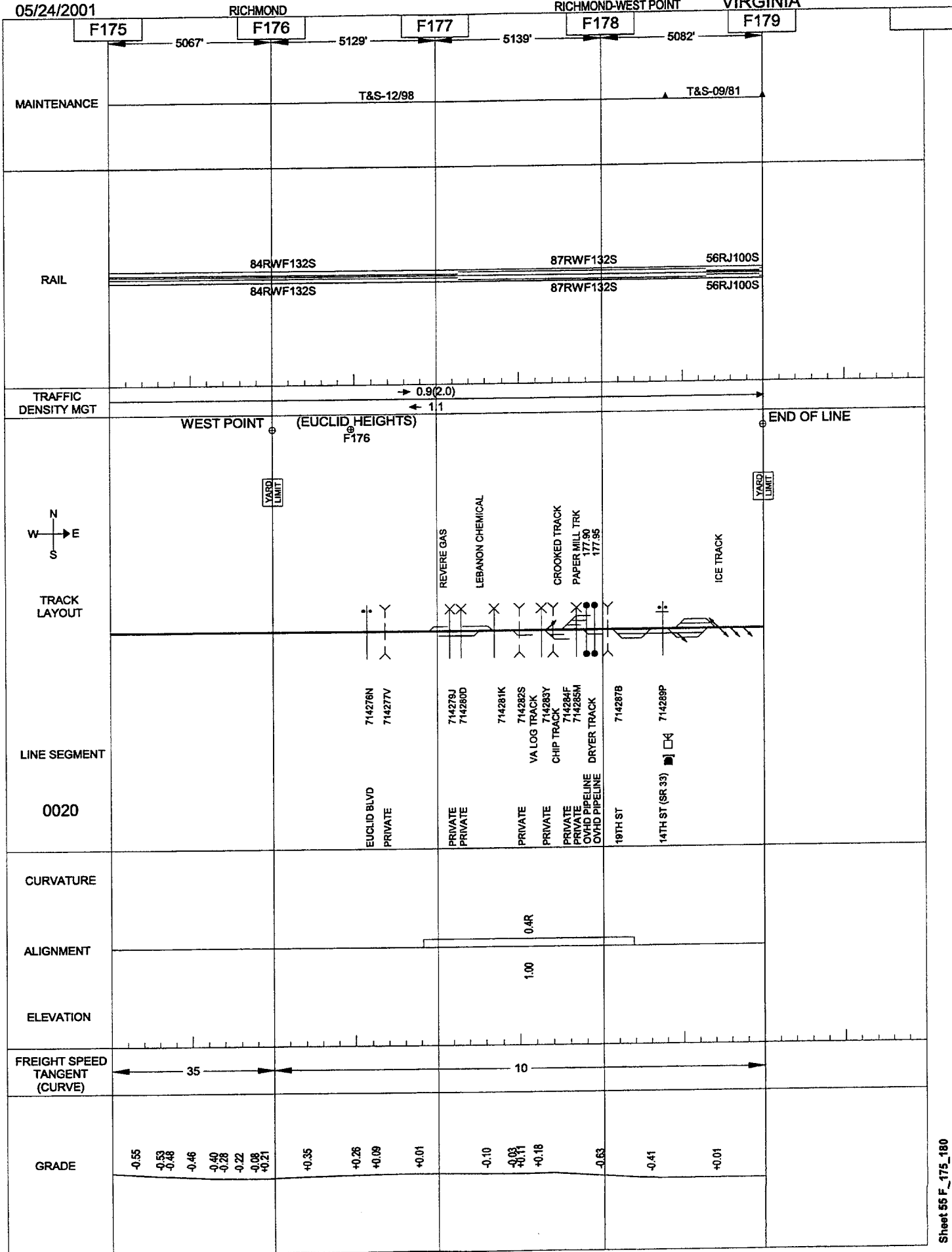


05/24/2001

RICHMOND

RICHMOND-WEST POINT

VIRGINIA

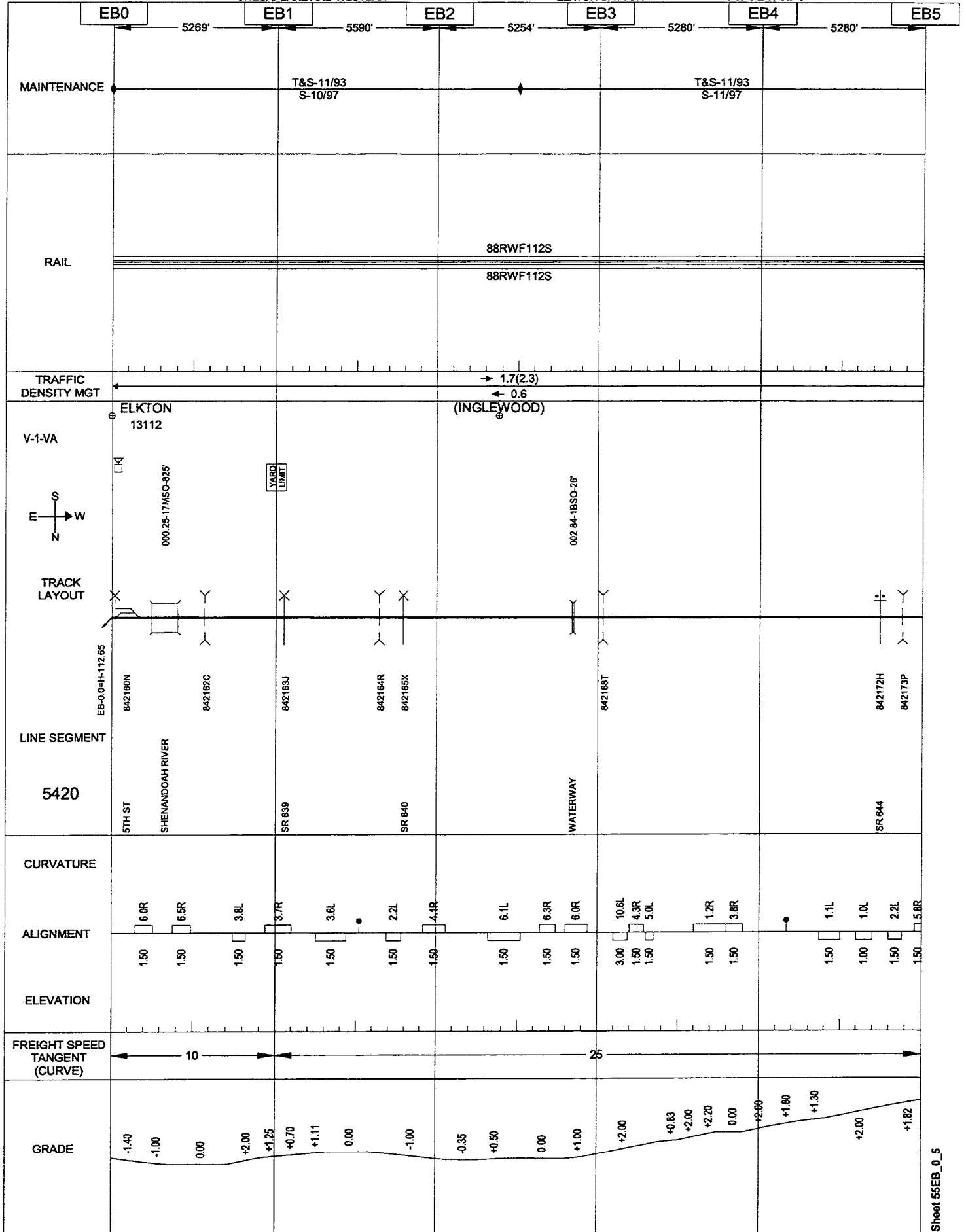


05/24/2001

CHESAPEAKE AND WESTERN CW MAIN

ELKTON-DAYTON

VIRGINIA

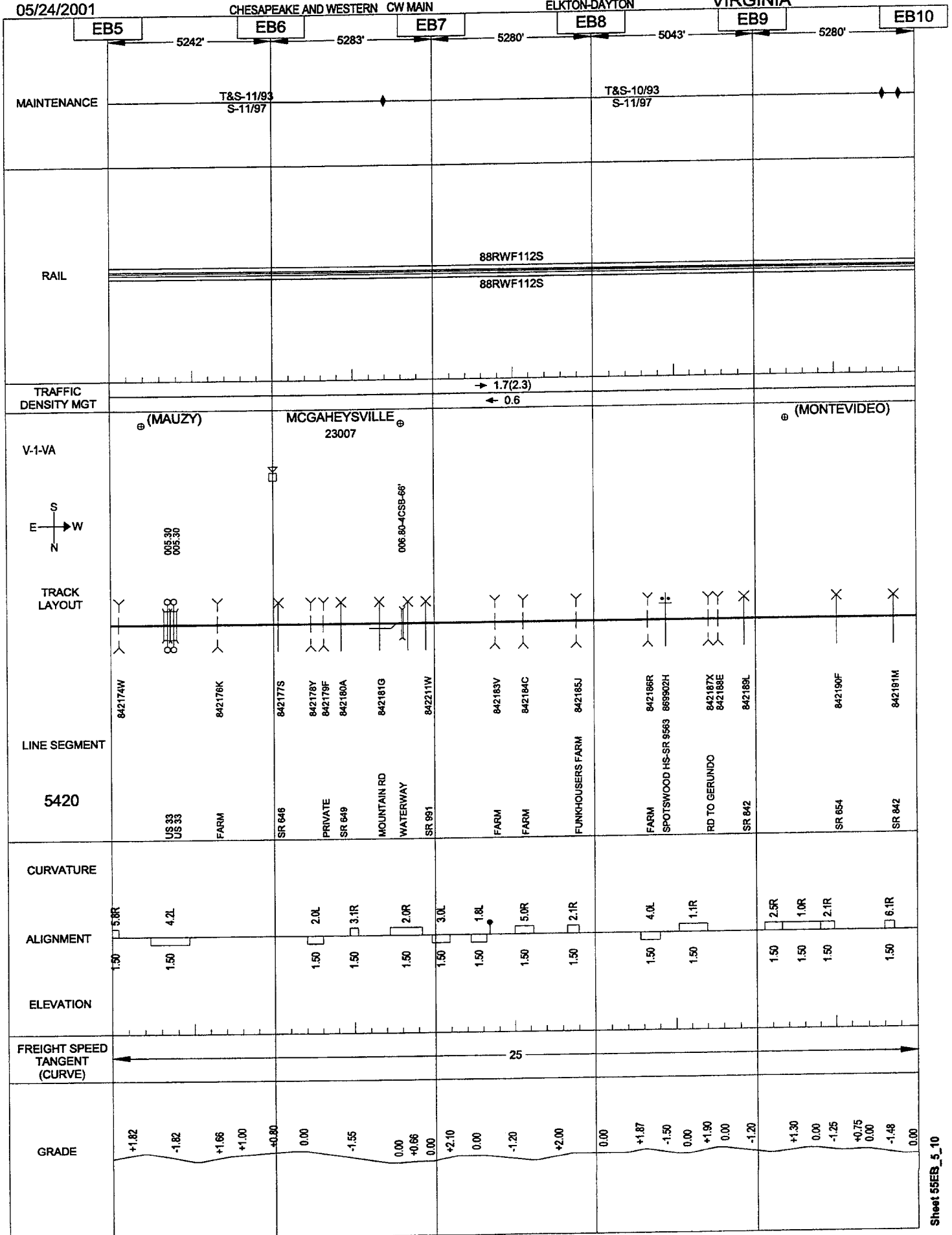


05/24/2001

CHESAPEAKE AND WESTERN CW MAIN

ELKTON-DAYTON

VIRGINIA

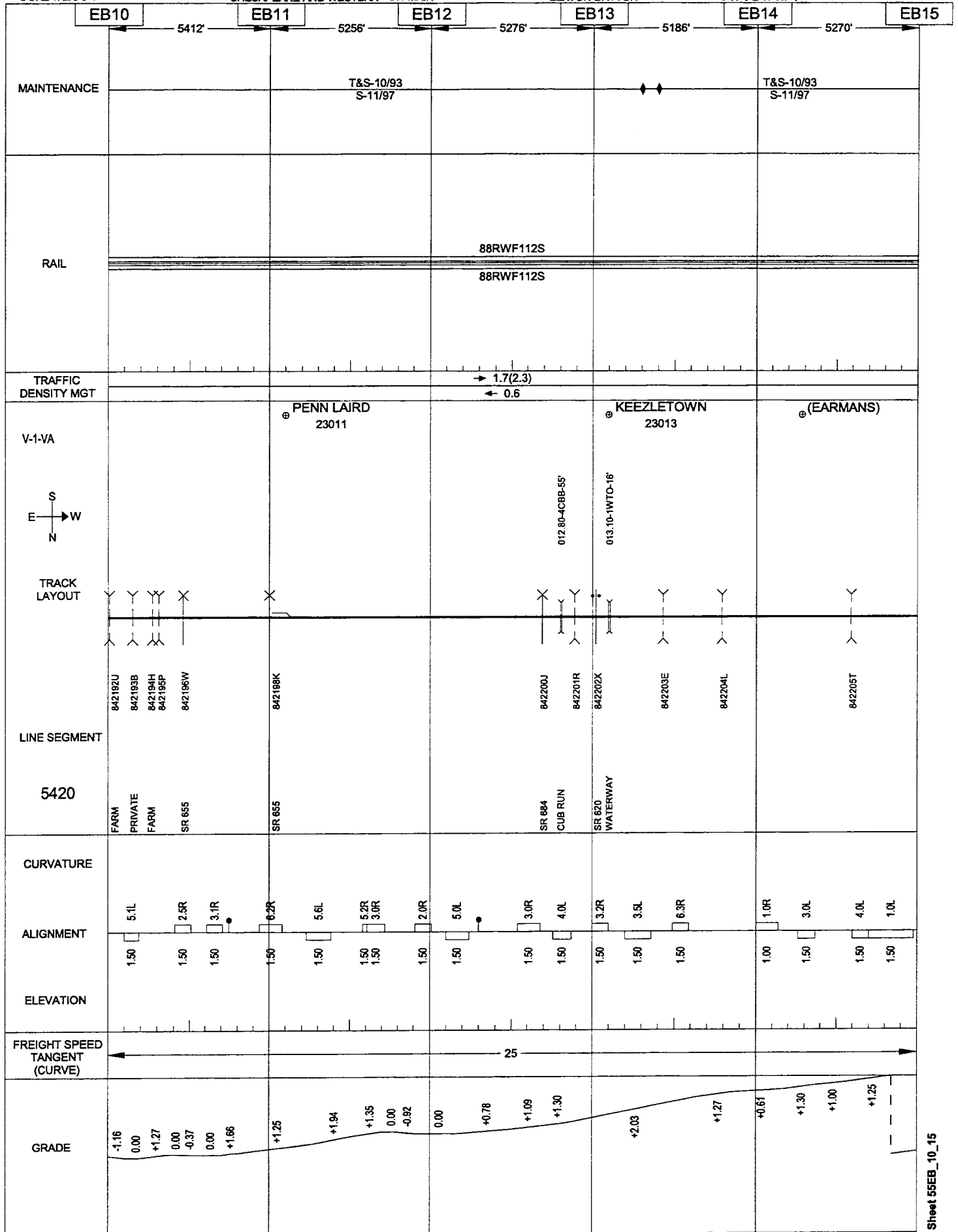


05/24/2001

CHESAPEAKE AND WESTERN CW MAIN

ELKTON-DAYTON

VIRGINIA

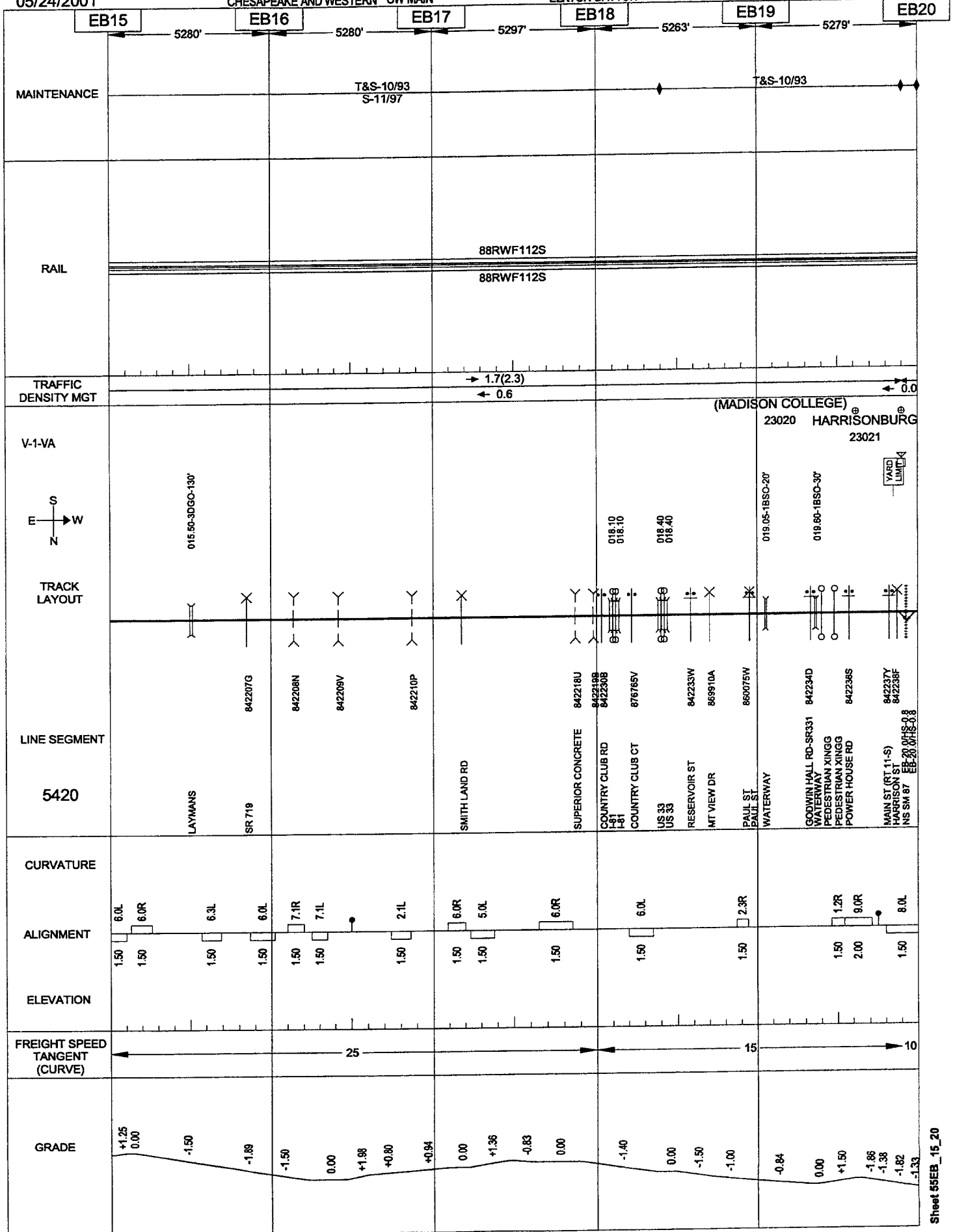


05/24/2001

CHESAPEAKE AND WESTERN CW MAIN

ELKTON-DAYTON

VIRGINIA



Sheet 55EB_20_25

05/24/2001

CHESAPEAKE AND WESTERN

BOWMAN-HARRISBURG

VIRGINIA

CW84

CW85

5358'

T&S-07/88

MAINTENANCE

**RJ085S

**RJ085S

RAIL

0.1(0.2)

0.1

TRAFFIC
DENSITY MGT

BOWMAN

084.40-1W/TB-13'
084.50-1W/TB-13'S
E → W
NTRACK
LAYOUT

LINE SEGMENT

5003

714537L
714538T714539A
714540UWATERWAY
BOWMAN APPLE RD
WATERWAY

SR 703 / 292

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE

+0.16

+0.30

+0.22

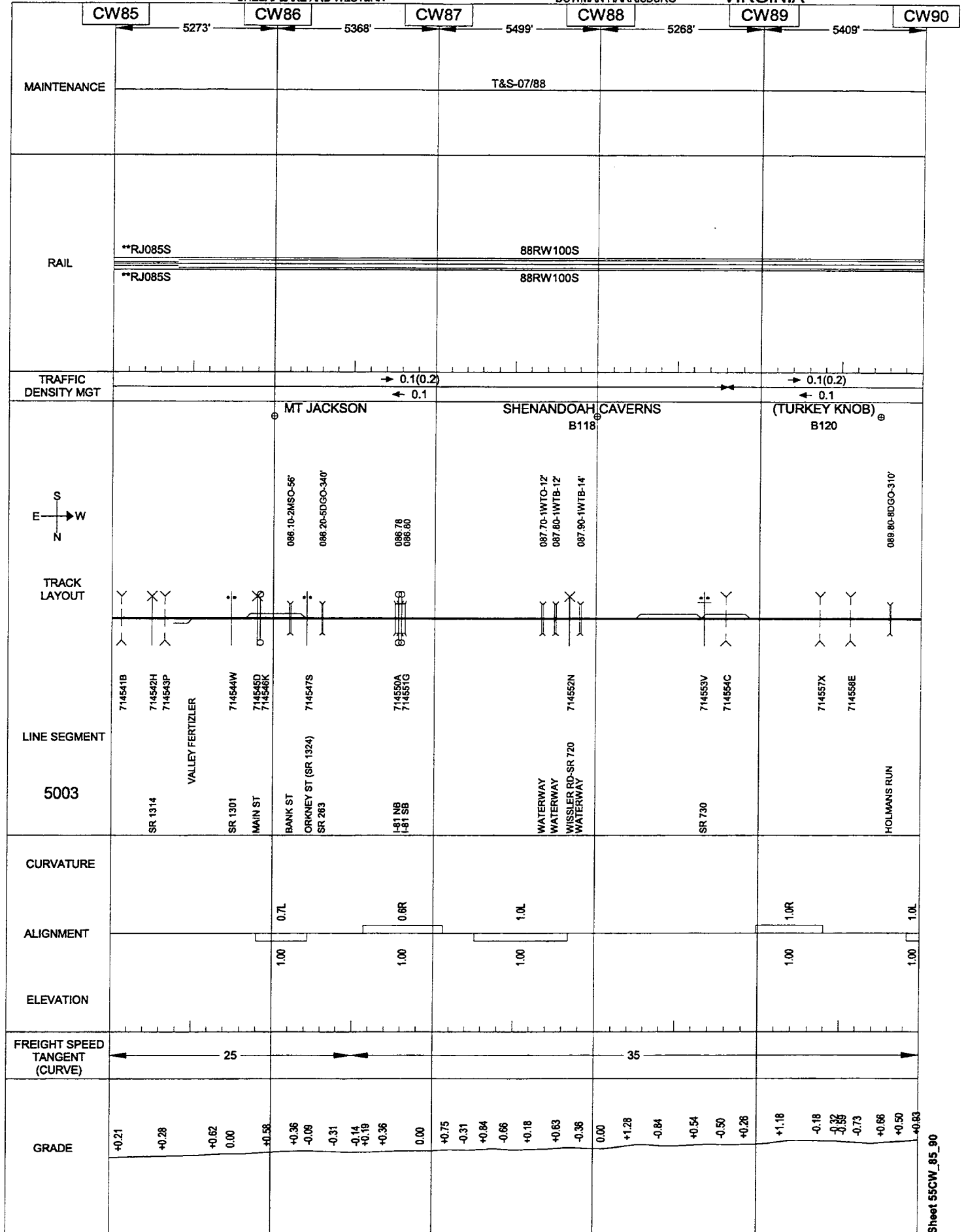
0.00

05/24/2001

CHESAPEAKE AND WESTERN

BOWMAN-HARRISBURG

VIRGINIA

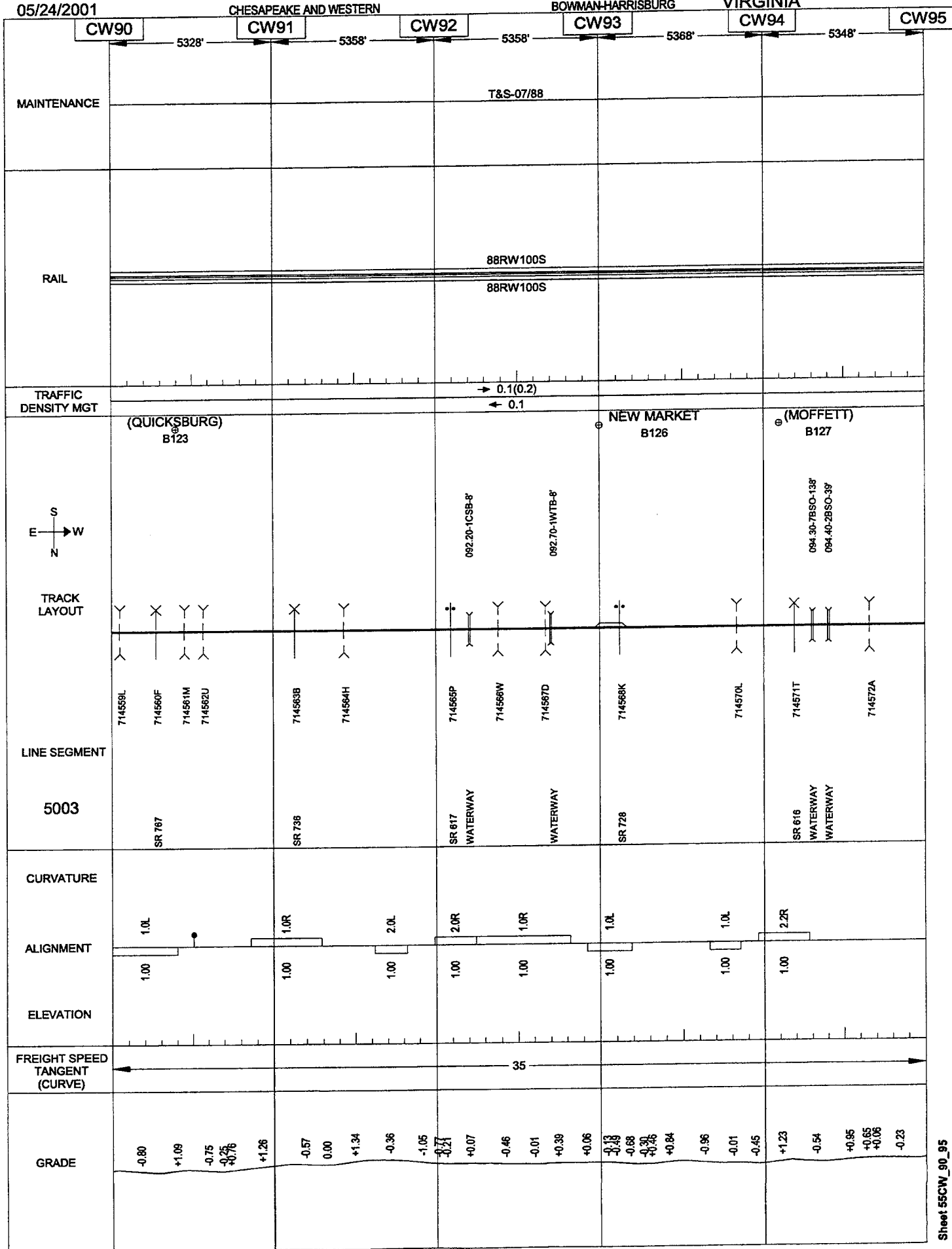


05/24/2001

CHESAPEAKE AND WESTERN

BOWMAN-HARRISBURG

VIRGINIA



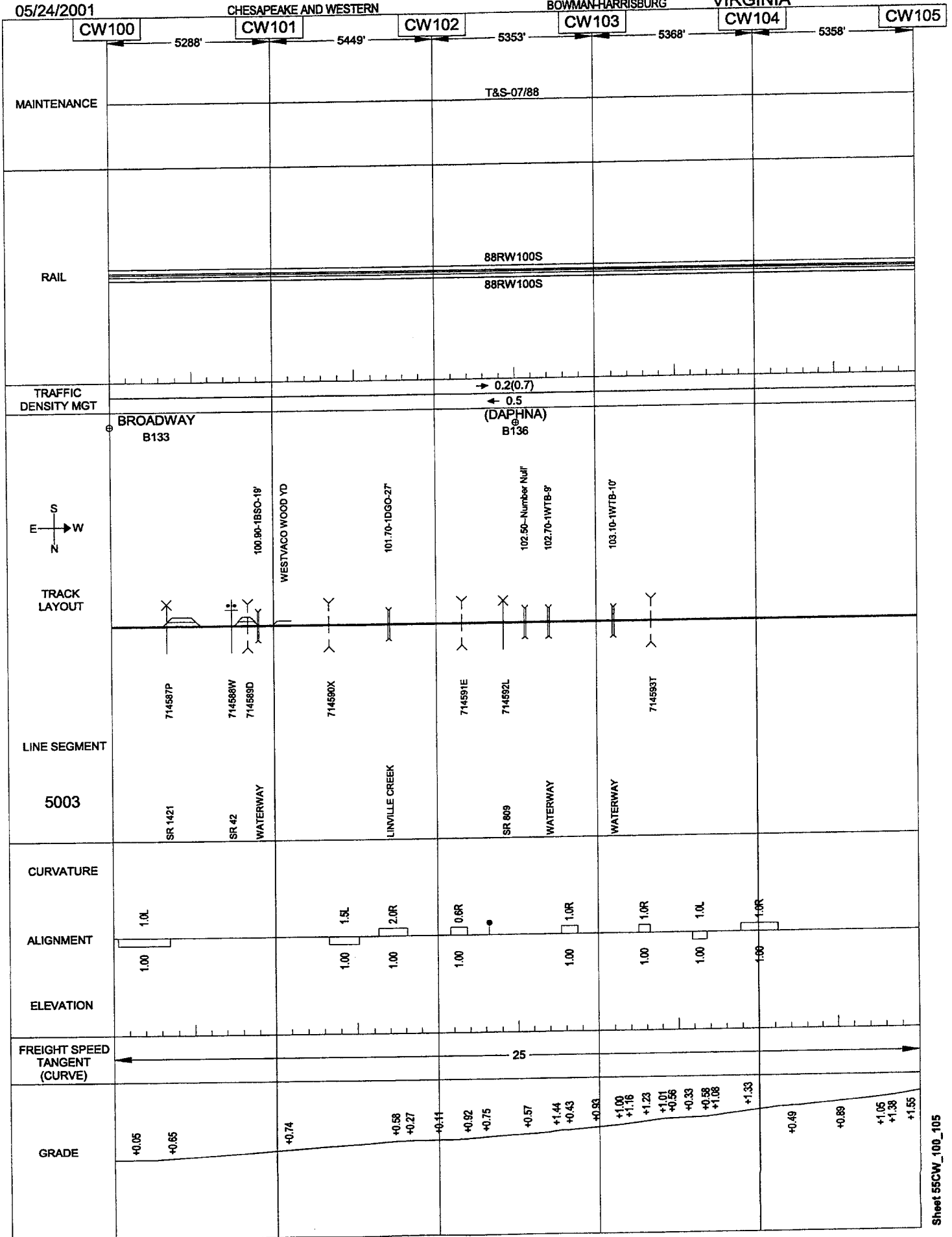
Sheet 55CW_95_100

05/24/2001

CHESAPEAKE AND WESTERN

BOWMAN-HARRISBURG

VIRGINIA

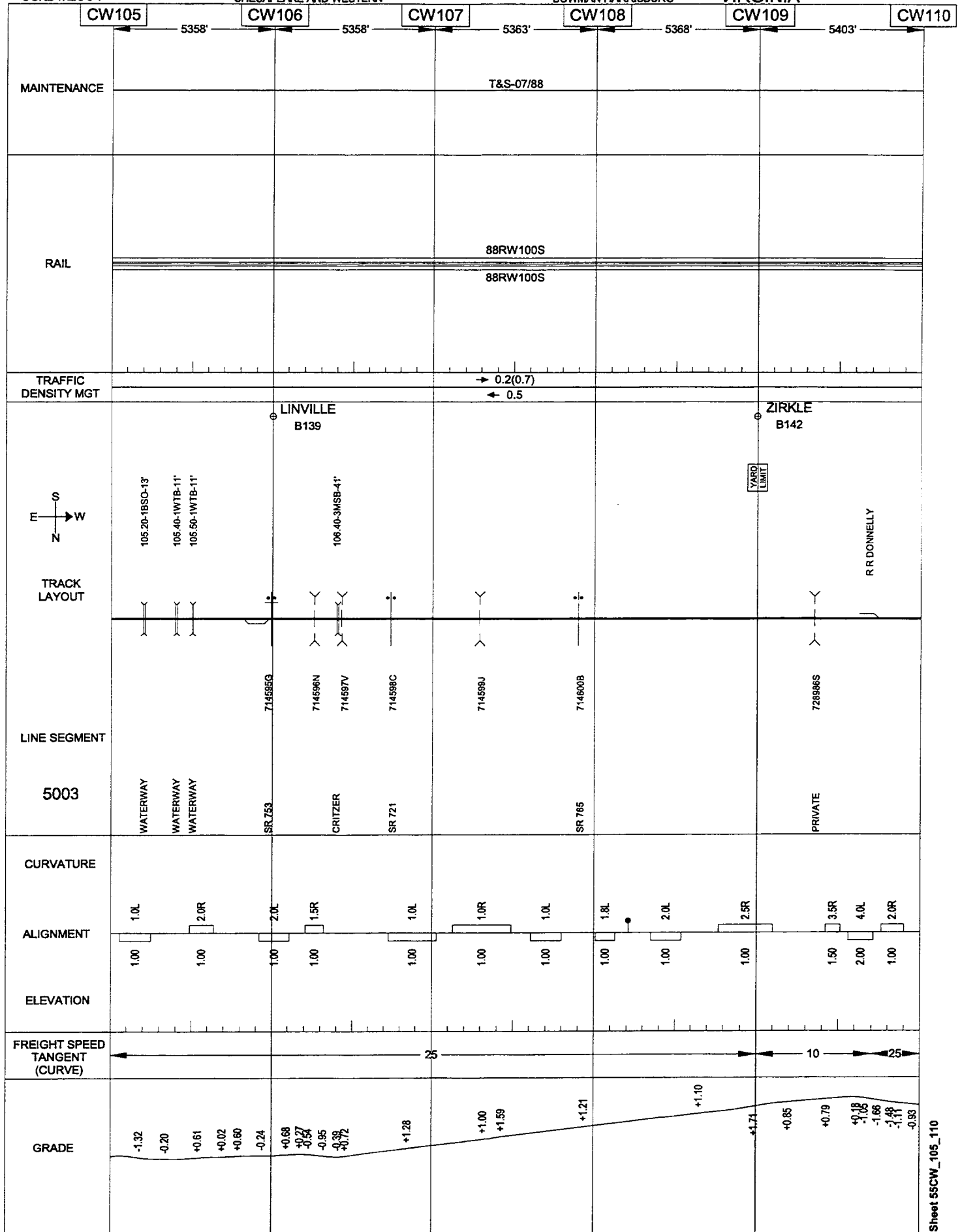


05/24/2001

CHESAPEAKE AND WESTERN

BOWMAN-HARRISBURG

VIRGINIA

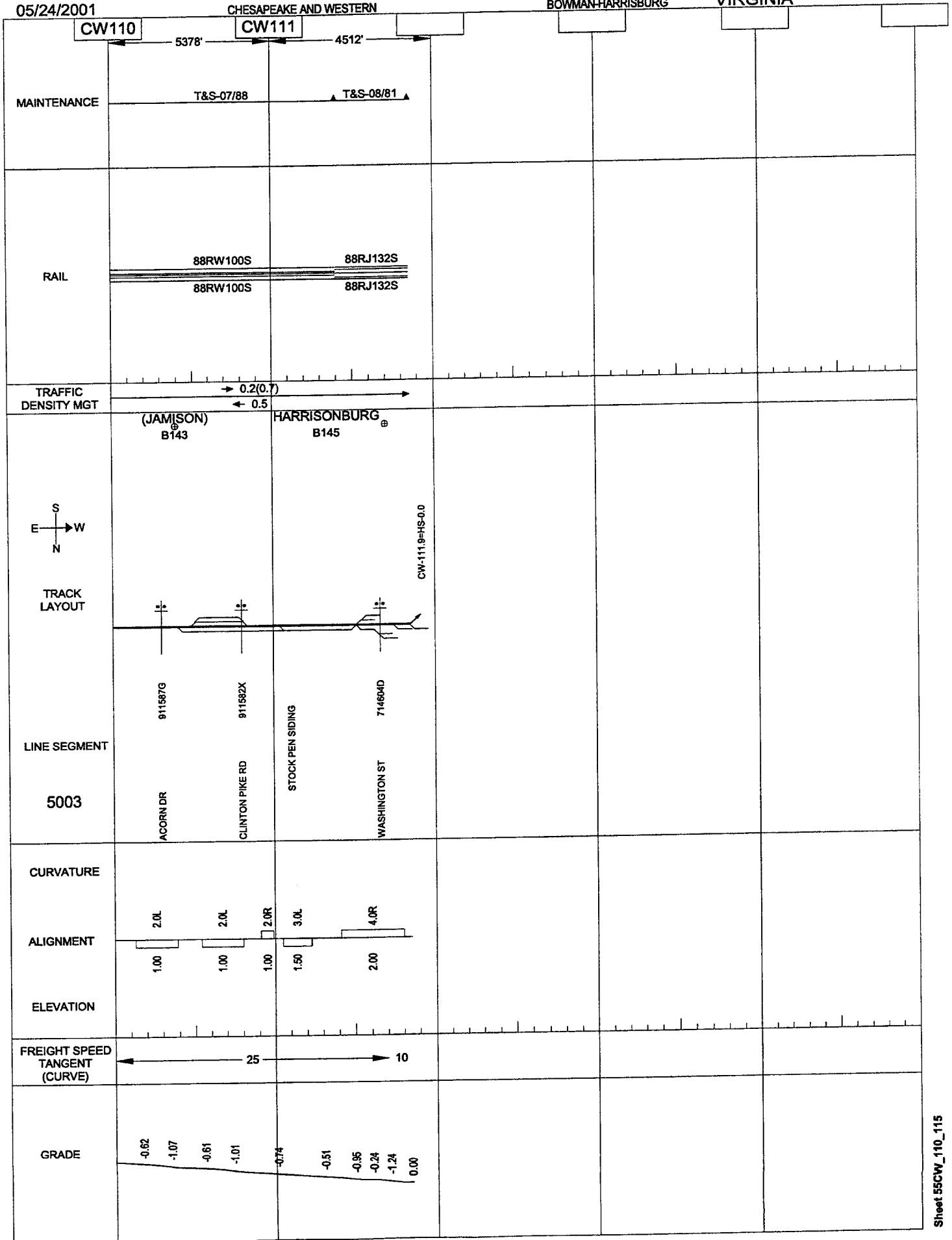


05/24/2001

CHESAPEAKE AND WESTERN

BOWMAN-HARRISBURG

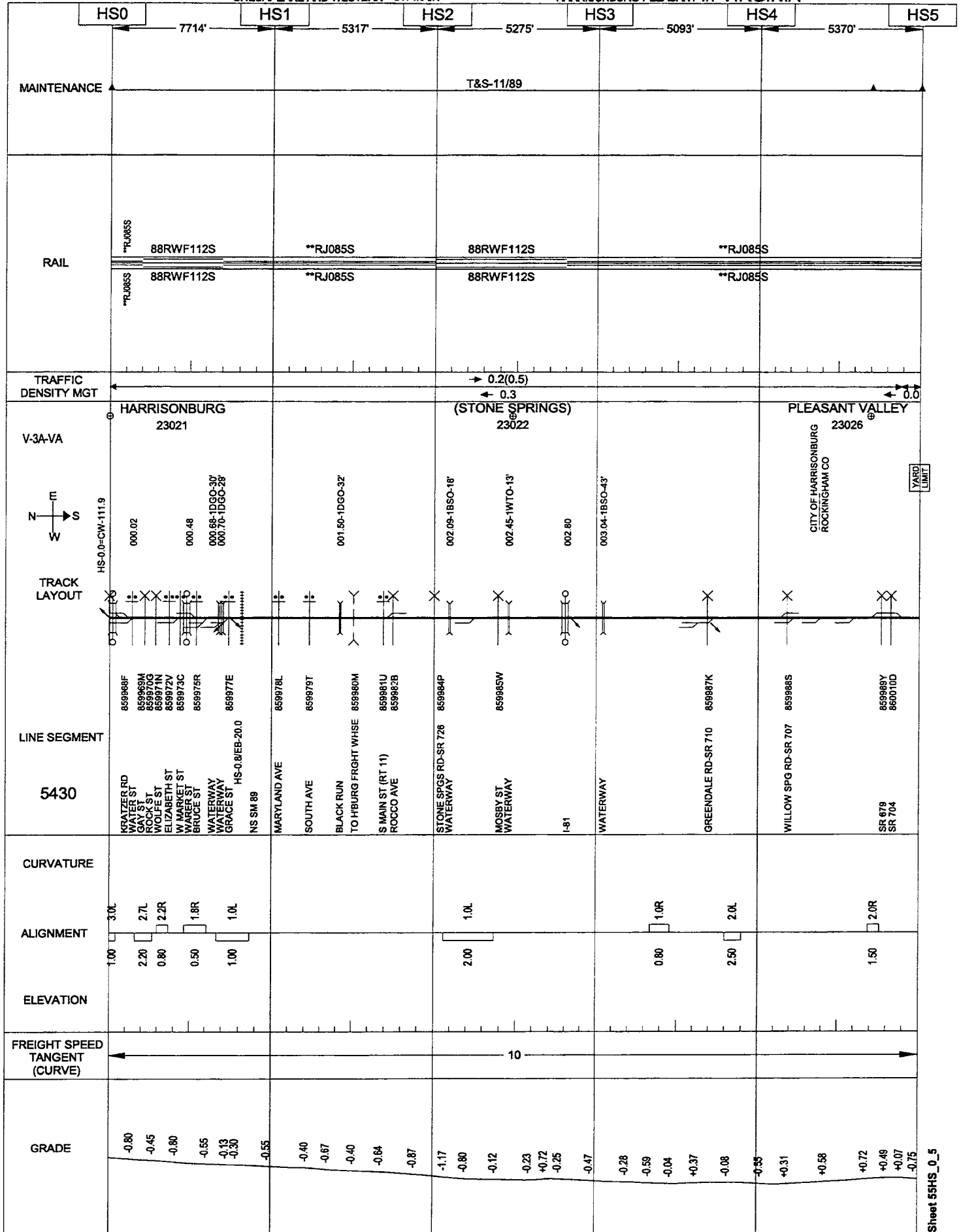
VIRGINIA



05/24/2001

CHESAPEAKE AND WESTERN CW MAIN

HARRISONBURG-PLEASANT VA VIRGINIA



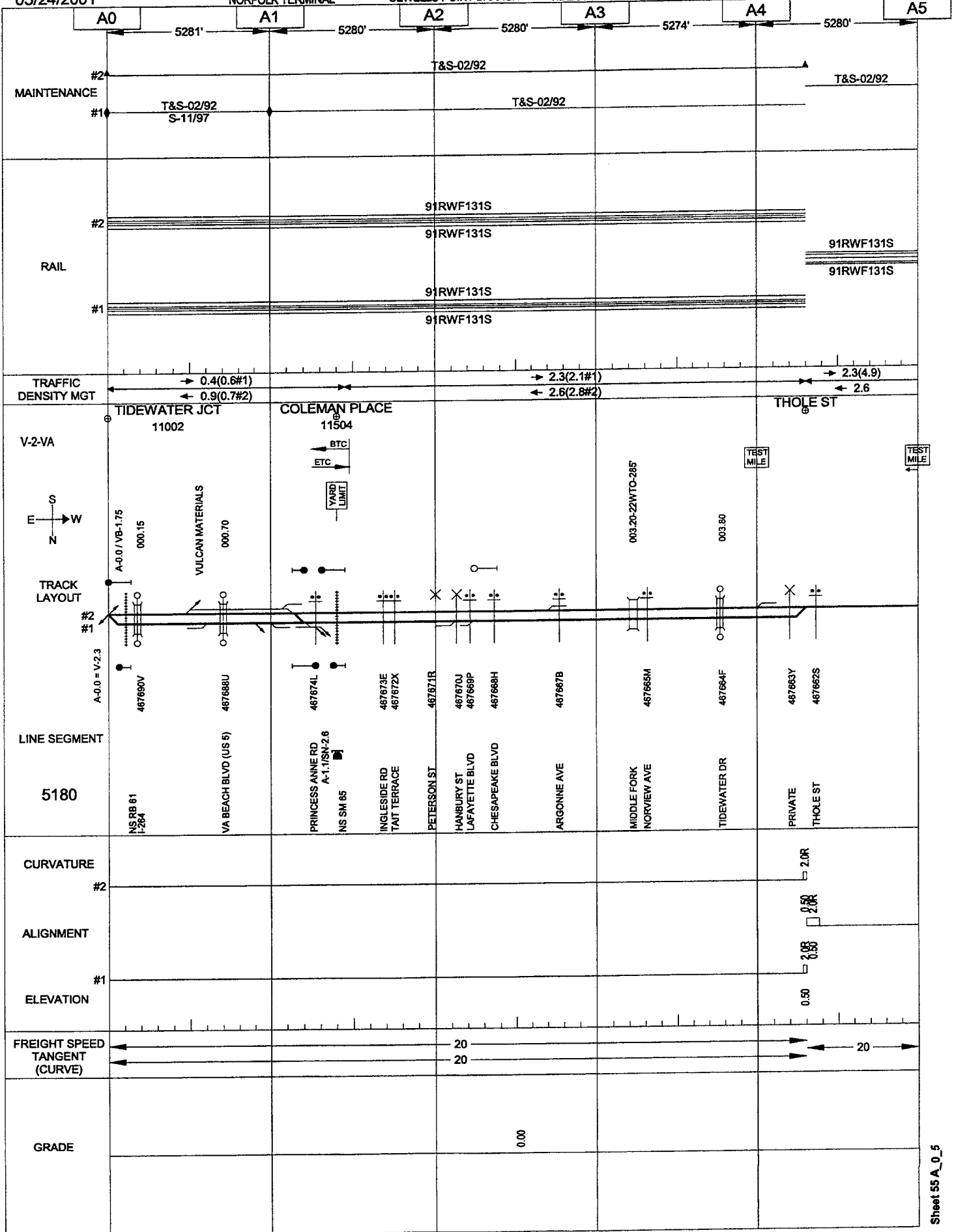
05/24/2001

NORFOLK TERMINAL

SEWELLS POINT BRANCH

TIDE JCT-SEWELLS PT

VIRGINIA



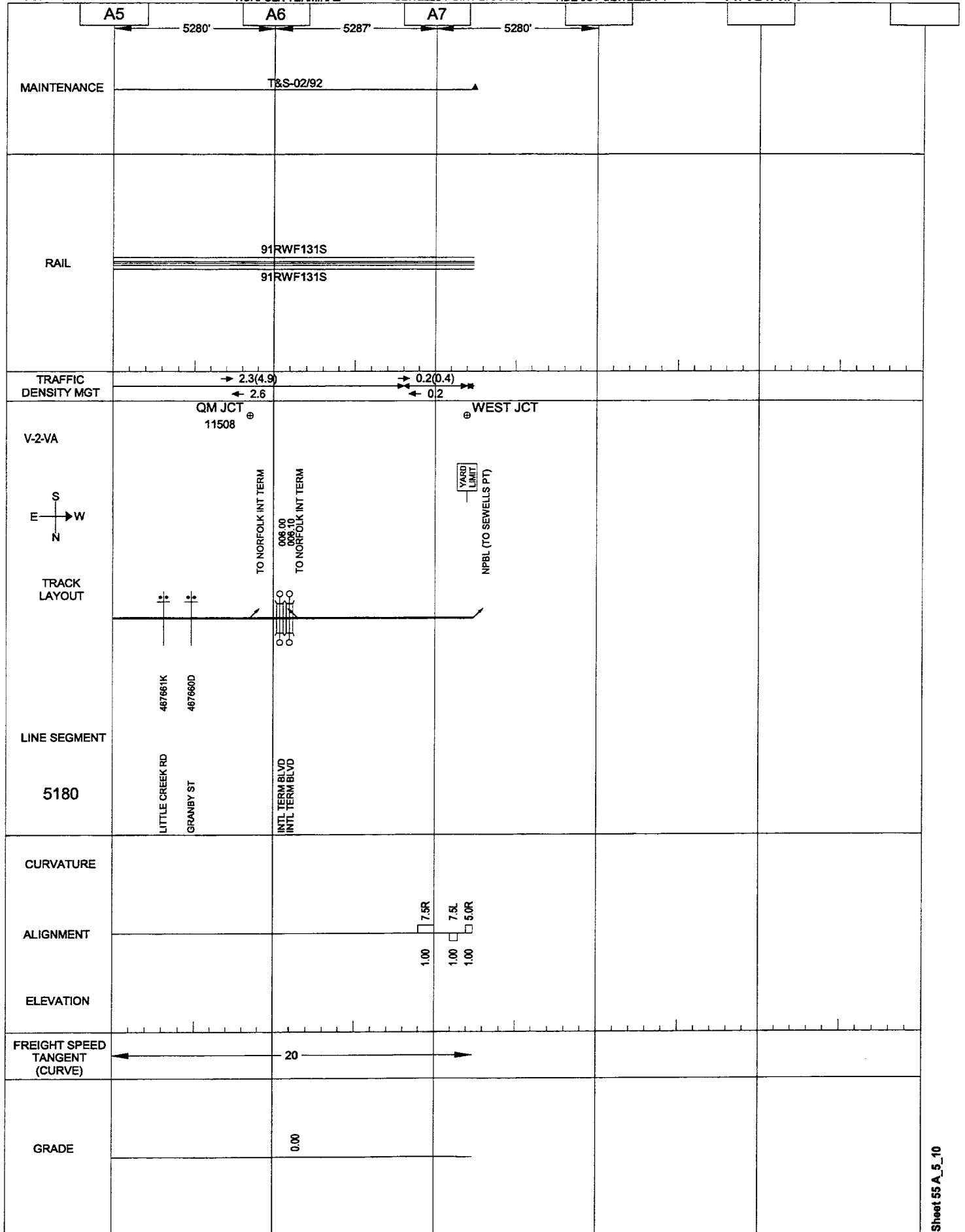
05/24/2001

NORFOLK TERMINAL

SEWELLS POINT BRANCH

TIDE JCT-SEWELLS PT

VIRGINIA



05/24/2001

NORFOLK TERMINAL

TIDE JCT-S.BRANCH

VIRGINIA

V3

V4

V5

5280'

5282'

5277'

T&S-01/99

MAINTENANCE

RAIL

91RWF131S

91RWF131S

TRAFFIC
DENSITY MGT

→ 0.8(1.6)

← 0.8

→ 2.1(4.0)

← 1.9

V-2-VA

TIDEWATER JCT
11002

E BRANCH BRIDGE

CAROLINA JCT

BTC
ETCS
E → W
NTRACK
LAYOUTCITY OF NORFOLK
CITY OF CHESAPEAKE
002.80-90MSO-1784

003.40

004.35
004.40

V-4.8/NS-2.2

V-4.8/NS-3.4

LINE SEGMENT

5170

V-2.3-A-0.0

WESTMINSTER AVE 487692J

ELIZABETH RIVER EAST
DRAWSPANFORD MOTOR CO
INDIAN RIVER RD 487693R

BERKLEY AVE 487694X

CAMPOSTELLA RD-SR168 487695E
RAMP V-4.4/NS-2.1

LIBERTY ST 487696L

ATLANTIC AVE 487697T

HOOVER AVE V-4.8/NS-3.2 487698A

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)2.0R
1.002.0R
1.00

20

GRADE

0.00

+0.08

0.00

+0.20

+0.12

+0.20

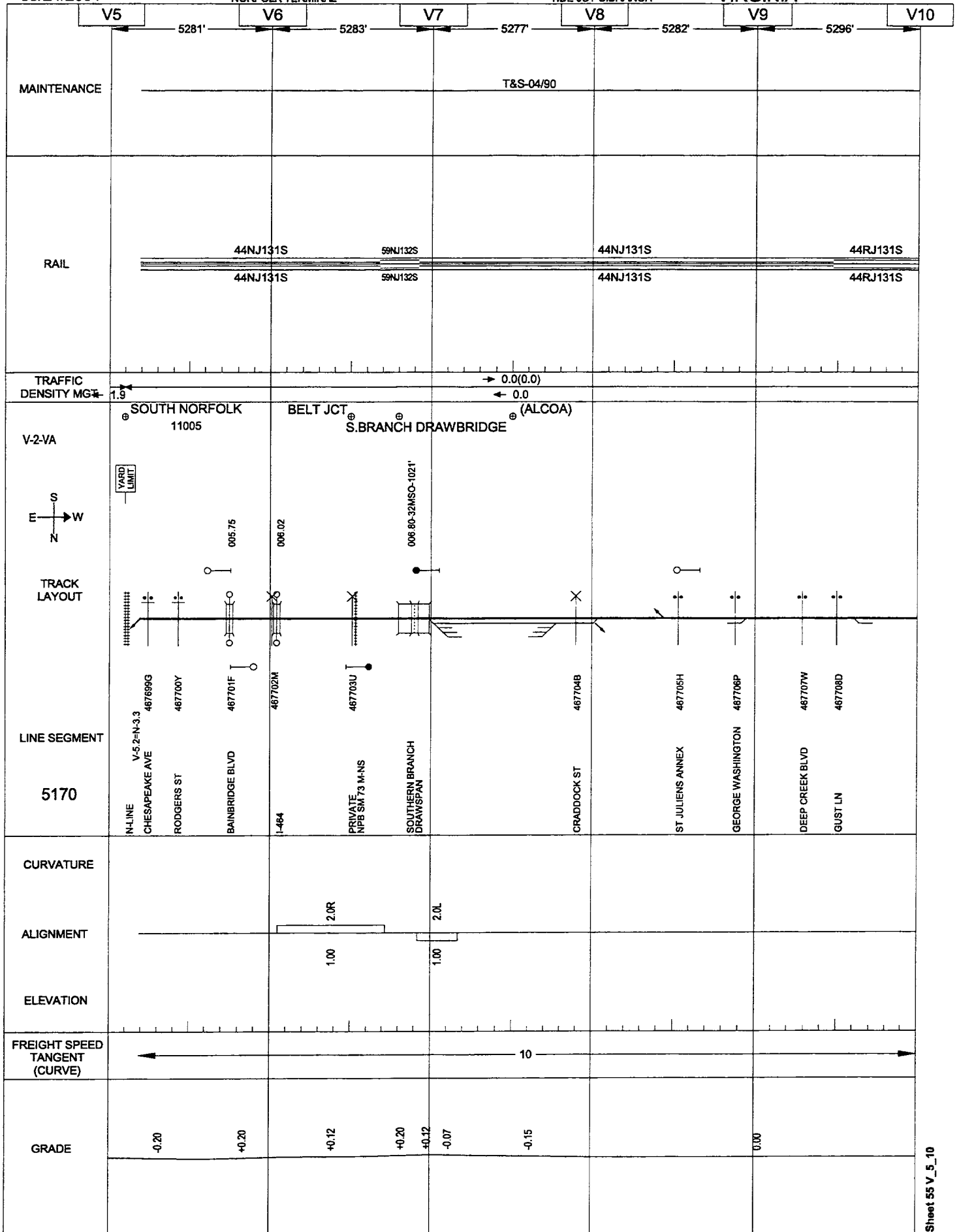
-0.20

05/24/2001

NORFOLK TERMINAL

TIDE JCT-S.BRANCH

VIRGINIA

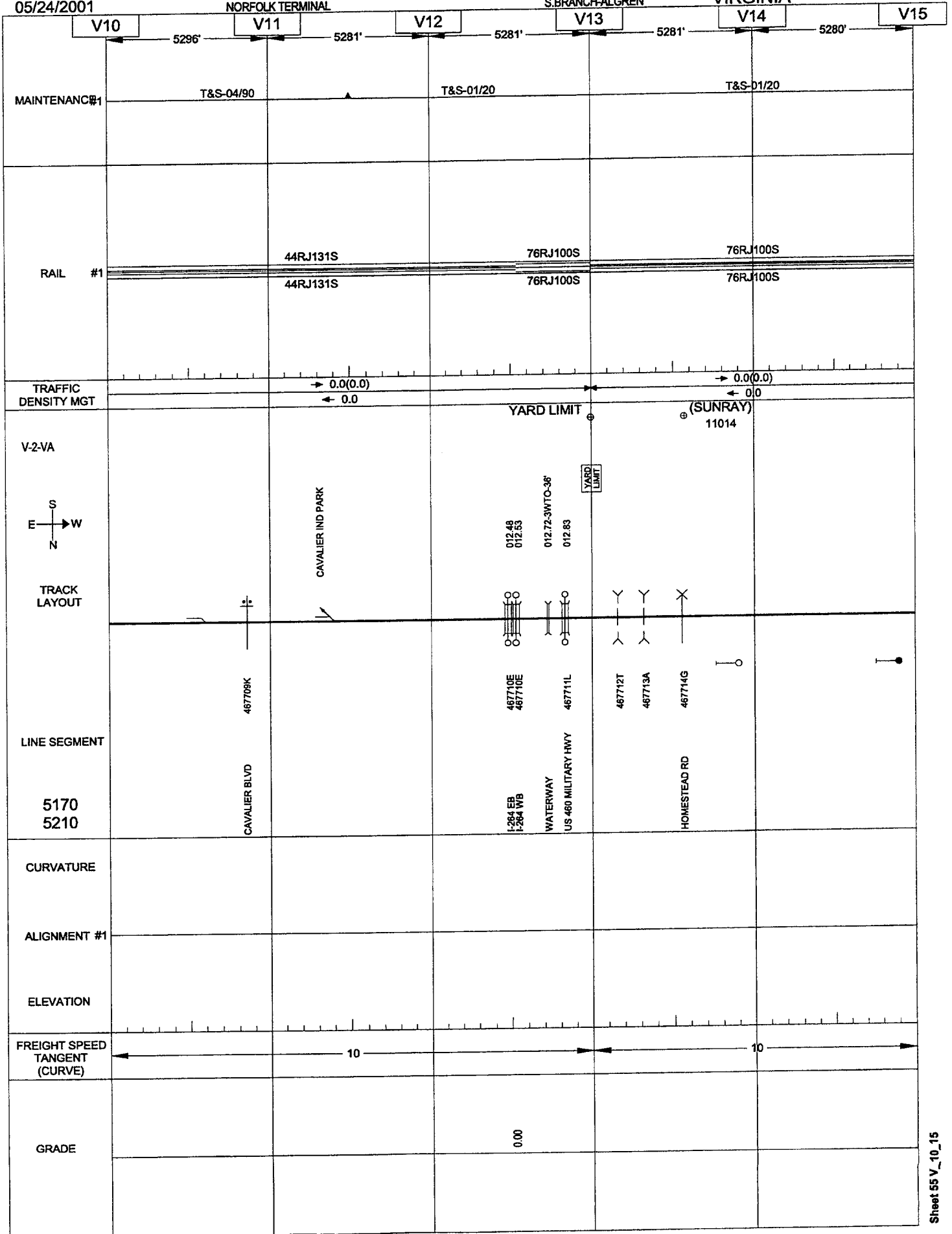


05/24/2001

NORFOLK TERMINAL

S.BRANCH-ALGREN

VIRGINIA

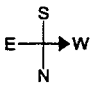


05/24/2001

NORFOLK TERMINAL

S.BRANCH-ALGREN

VIRGINIA

V15		5288'	5280'	5280'	5280'	5280'
MAINTENANCE	T&S-01/20▲					
RAIL	76RJ100S 76RJ100S					
TRAFFIC DENSITY MGT	0.0(0.0) 0.0					
V-2-VA	ALGREN 11015					
TRACK LAYOUT						
LINE SEGMENT	467715N					
5210	SNOWDEN ST					
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)	10					
GRADE	0.00					

327

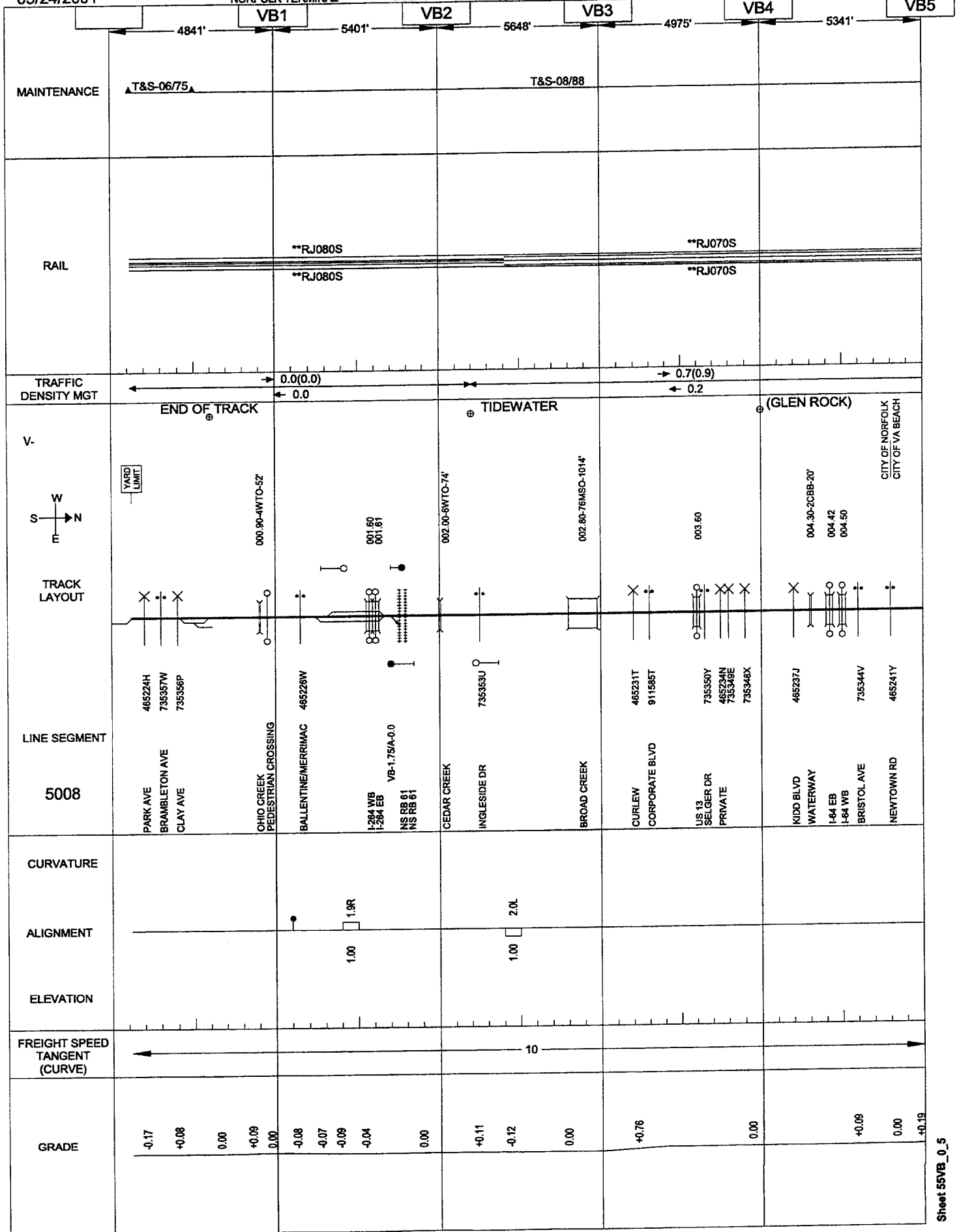
05/24/2001

NORFOLK TERMINAL

S BEACH LEAD

TIDEWATER-VA BEACH

VIRGINIA



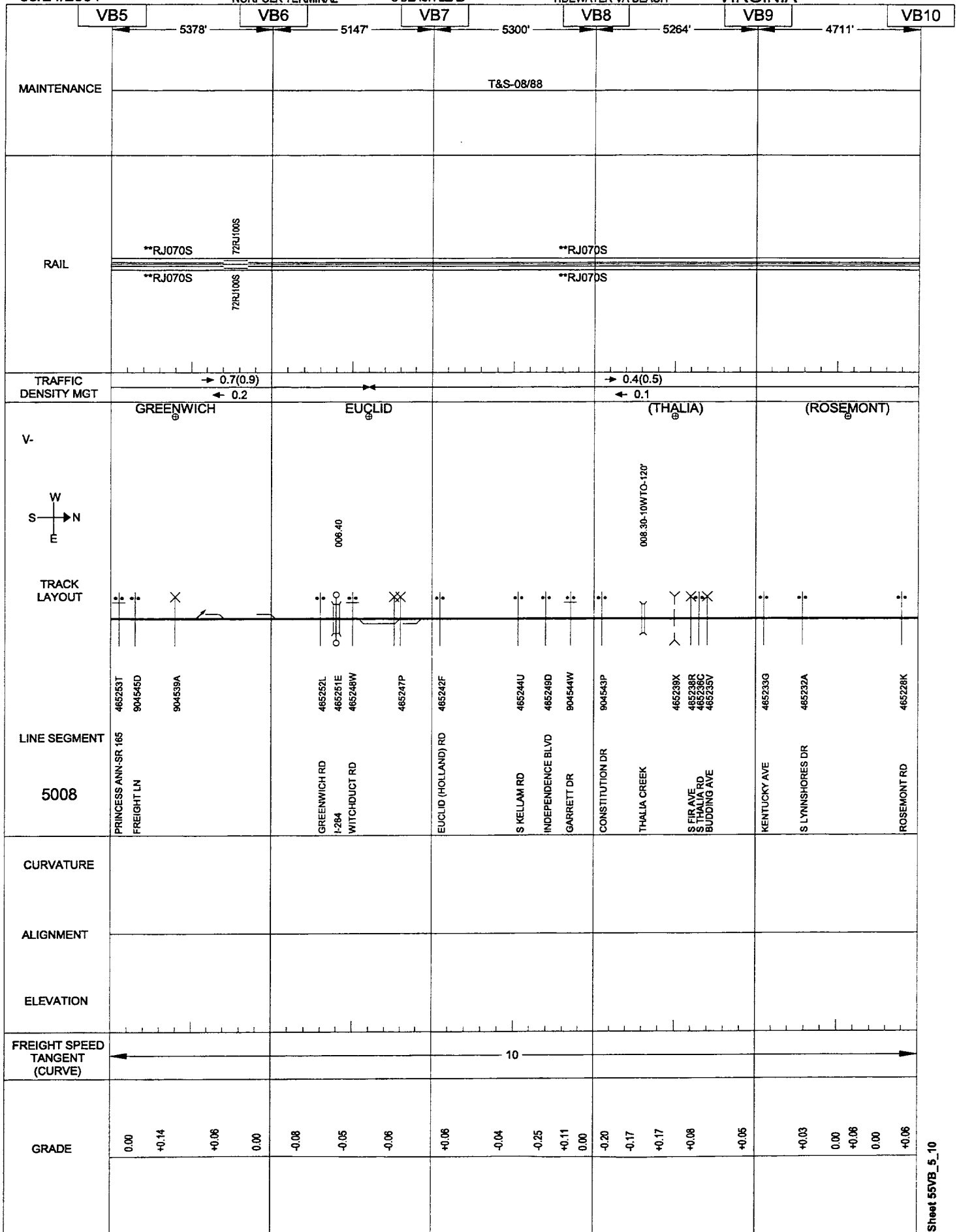
05/24/2001

NORFOLK TERMINAL

S BEACH LEAD

TIDEWATER-VA BEACH

VIRGINIA



329

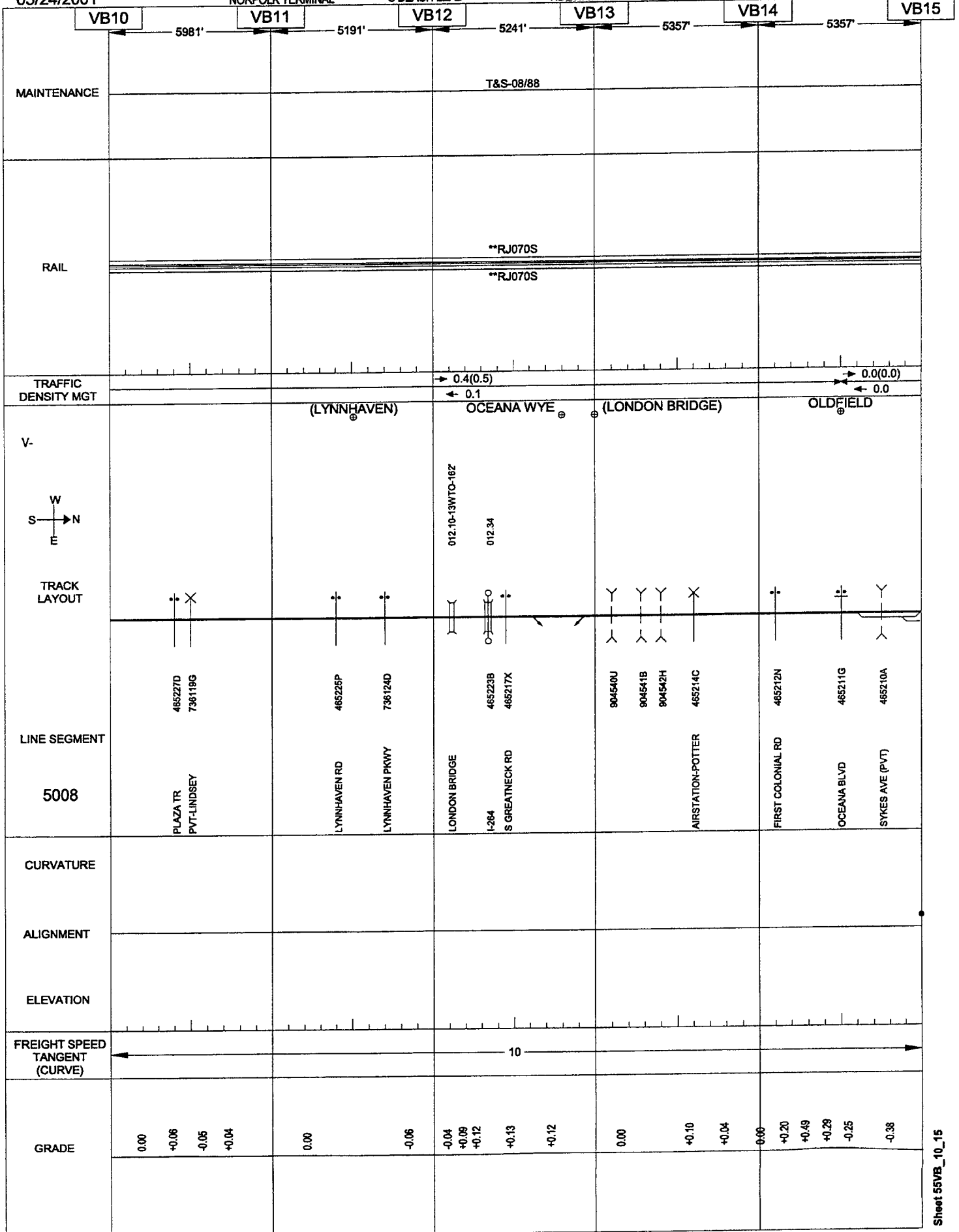
05/24/2001

NORFOLK TERMINAL

S BEACH LEAD

TIDEWATER-VA BEACH

VIRGINIA



05/24/2001

NORFOLK TERMINAL

S BEACH LEAD

TIDEWATER-VA BEACH

VIRGINIA

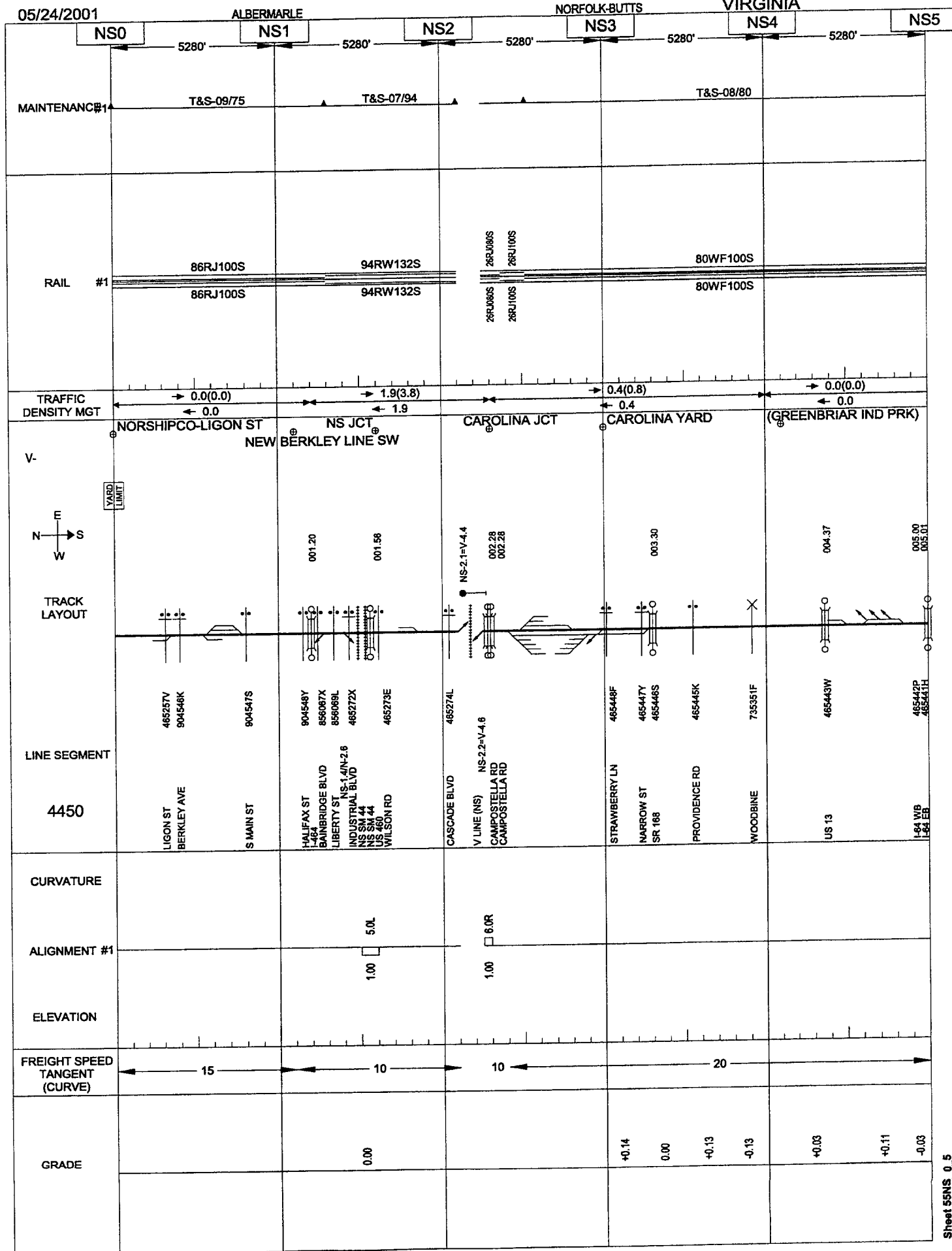
	VB15	3986'					
MAINTENANCE	T&S-08/88▲						
RAIL	**RJ070S **RJ070S						
TRAFFIC DENSITY MGT	0.0(0.0) ← 0.0						
V-	END OF TRACK ⊕						
W S — N E	YARD LIMIT						
TRACK LAYOUT	••						
LINE SEGMENT	BIRDNECK INDUSTRIAL						
5008							
CURVATURE							
ALIGNMENT	•						
ELEVATION							
FREIGHT SPEED TANGENT (CURVE)	← 10 →						
GRADE	-0.22 +0.41						

05/24/2001

ALBERMARLE

NORFOLK-BUTTS

VIRGINIA

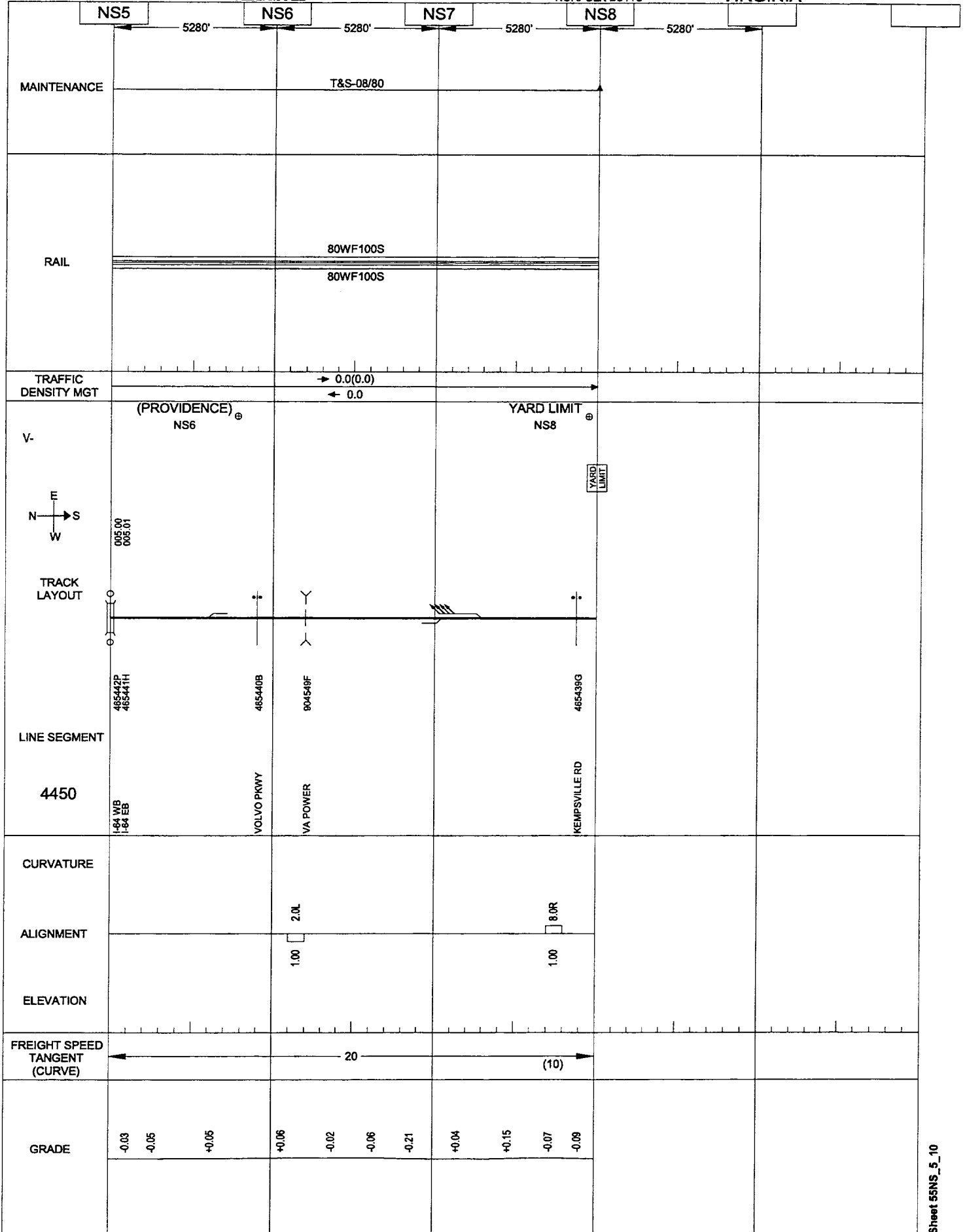


05/24/2001

ALBERMARLE

NORFOLK-BUTTS

VIRGINIA



333

06/06/2001

DANVILLE

ALTAVISTA CONNECTION

HURT CONNECTION

PIEDMONT

AC197

AC198

5280'

5280'

MAINTENANCE

T&S-12/82

RAIL

82NWF132S

82NWF132S

TRAFFIC
DENSITY MGT

→ 11.0(17.1)

← 6.1

HURT CONN
11197

HURT

V-2-VA



TRACK
LAYOUT

AC-197.0 = V-200.3

197.35-3850-300'

197.65

713924A

AC-198.83 = 197.3

LINE SEGMENT

0709

SYCAMORE CREEK

OLD US 29

CURVATURE

ALIGNMENT

ELEVATION

4.2R
1.50
8.1R
3.50
3.6L
1.00

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+1.20

+1.40

+0.71

0.00

- 1) Data shown represents when drawing was prepared.
- 2) Items correspond to:
District, Branch and Spur when applicable. (Original NS System)
or
Old Division name, and From-To station names. (Original NS System)
or
RDBR, Line Name, From-To station names. (Original CR System)
or
District, Line Name, From-To station names. (Shared Asset)
- 3) Operating Division name.
- 4) Sheet number within Operating Division.

- 1) **Current milepost designation with prefix or suffix.**
- 2) **Actual distance between milepost markers in feet.**

T&S date displayed above each main and surfacing data displayed below each main. Surfacing date is suppressed when prior to T&S date. Vertical tick-marks above or below each main show break points for T&S and/or surfacing. To avoid confusion with the year 2000 (or 00) any T&S or Surfacing record with a date of 1920 or earlier is displayed as year 1920 (or 20).

Data displayed above the graphic for each main represents the left rail and data displayed below the graphic for each main represents the right rail (viewed in increasing milepost direction). Representation gives year laid, rail type, rail weight and premium (P) vs. standard (S) rail. Rail graphic change indicates break point in data values. Rail type codes are shown in Table 1. To avoid confusion with the year 2000 (or 00) any rail with a laid date of 1920 or earlier is displayed as the year 1920 (or 20).

Traffic Density Section -

Annual density displayed in millions of gross tons rounded to tenths. Note this results in density less than 50,000 tons being rounded to zero. Direction of traffic is shown with arrows. Density by track is also shown with track identification.

Track Layout Section -

- 1) Left hand margin gives valuation map I.D., track timetable direction (compass rose) and line segment reporting number.**
- 2) Station names and locations are displayed at topmost position in the track layout section (immediately below the traffic density section). Those stations shown in bold print only are timetable stations and those station names which are enclosed in parentheses are non-timetable (reporting) stations. The number shown below the station name is the station code.**
- 3) Territory markers (traffic control, test miles, yard limits, state lines, county/incorporated lines) are generally displayed in the area just below the station names. However, on occasion, test miles are displayed below the track line in order to alleviate print congestion problems on some pages.**
- 4) Bridge technical specifications are displayed in the top center area between the station names and the track layout. This specification is Bridge number (in milepost format), number of spans, structure construction, and length of structure. See Table 2 for explanation of structure construction codes.**
- 5) Signals, signal structures, AEI scanners, microwave towers, radio base stations, telephones, and the various types of wayside detectors are displayed on the appropriate side of the track and in the area just above or just below the track diagram.**
- 6) The track diagram for main line, side tracks, crossovers, leads and yard track including types of turnouts between single main and double main territory is displayed in the center of the track layout section. The heavy lines represent main tracks and their crossovers and switches. The lighter weight lines represent side and other tracks. The heavy arrows indicate junctions with branch lines and connections with other railroads (see item 8). Details of this display are limited to switches on main track and adjacent track. Also shown in this area are the graphic symbols for the various grade crossing types, clearance detectors, overpasses, underpasses, bridges, tunnels, and other overhead structures.**

The common names (street, highway, river) associated with these graphic symbols are displayed at the bottom of the track layout section. Note: For railroad crossings at grade, the display convention, when available is: Other Road, Crossing Type, Angle and Maintaining Road. Crossing types are:

**SM – Solid Manganese
 MI - Manganese Insert
 RB – Rail Bolted
 XO – Double Crossover
 MP – Movable Point**

- 7) The AAR number (DOT number) for each road crossing is displayed in the band which runs just below the track layout display and just above the common name display at the bottom of the track section. This DOT number consists of seven characters (six numbers and a letter) and lines up with the graphic symbol on the track line and its common name at the bottom.
- 8) Other information which may be displayed in the track layout section includes:
 - Industry names associated with various switches and sidings.
 - Equalities which show where two (or more) different lines connect with each other. The format for this display is milepost Junction Point (on the line being displayed) = milepost Junction Point (on the line which is connecting at this point). Note: An = symbol means the lines connect directly and a / symbol means the lines connect indirectly through a yard or side track.)

Alignment Section -

- 1) Graphic representation is given for curve direction and length for each main.
(Note: Representation is currently provided for track 1 only. In double track sections track 2 is only a copy of track 1 and may not represent actual conditions.)
- 2) Curvature is specified to tenths of a degree above each main along with left/right indication.
- 3) Location of wheel flange lubricators are given along mains.

Freight Speed Section -

Curve and tangent speed limits taken from the timetables. The curve speed limit (shown within parentheses) is shown under the specific curve to which it applies.

Grade Section -

Grade shown is based on ascending milepost direction.

Ruling grades are based upon determination made by Operations Research and are stated in the uphill direction, e.g. "Bluefield to Roanoke", regardless of whether the uphill direction is ascending milepost or descending milepost.

TABLE 1
RAIL LETTER CODES

N	New rail
R	Relay rail
W	Welded rail
J	Jointed rail
F	Field welded rail
P	Premium Rail (head hardened)
S	Standard Rail (non hardened)

TABLE 2
BRIDGE TYPE CODES

Type of Bridge Structure

BS = Beam Span
BA = Brick Arch
CA = Concrete Arch
CB = Concrete Box
CS = Concrete Span
DG = Deck Plate Girder
DT = Deck Truss
MA = Masonry Arch
MS = Mixed Span
SA = Structural Plate Arch
TG = Through Plate Girder
TT = Through Truss
WT = Timber (Wood) Trestle

Deck Construction

O = Open Deck
B = Ballast Deck
C = Combination