



# **Harrisburg Division**

**Includes**

**Delmarva Business Unit  
(DMBU)**

**2007**

This book is prepared and published by the office of Engineering Design and Construction-Atlanta and is based on information contained in two data sources: (1) the Engineering D&C data file, and (2) the Corporate Track Database (CTRK).

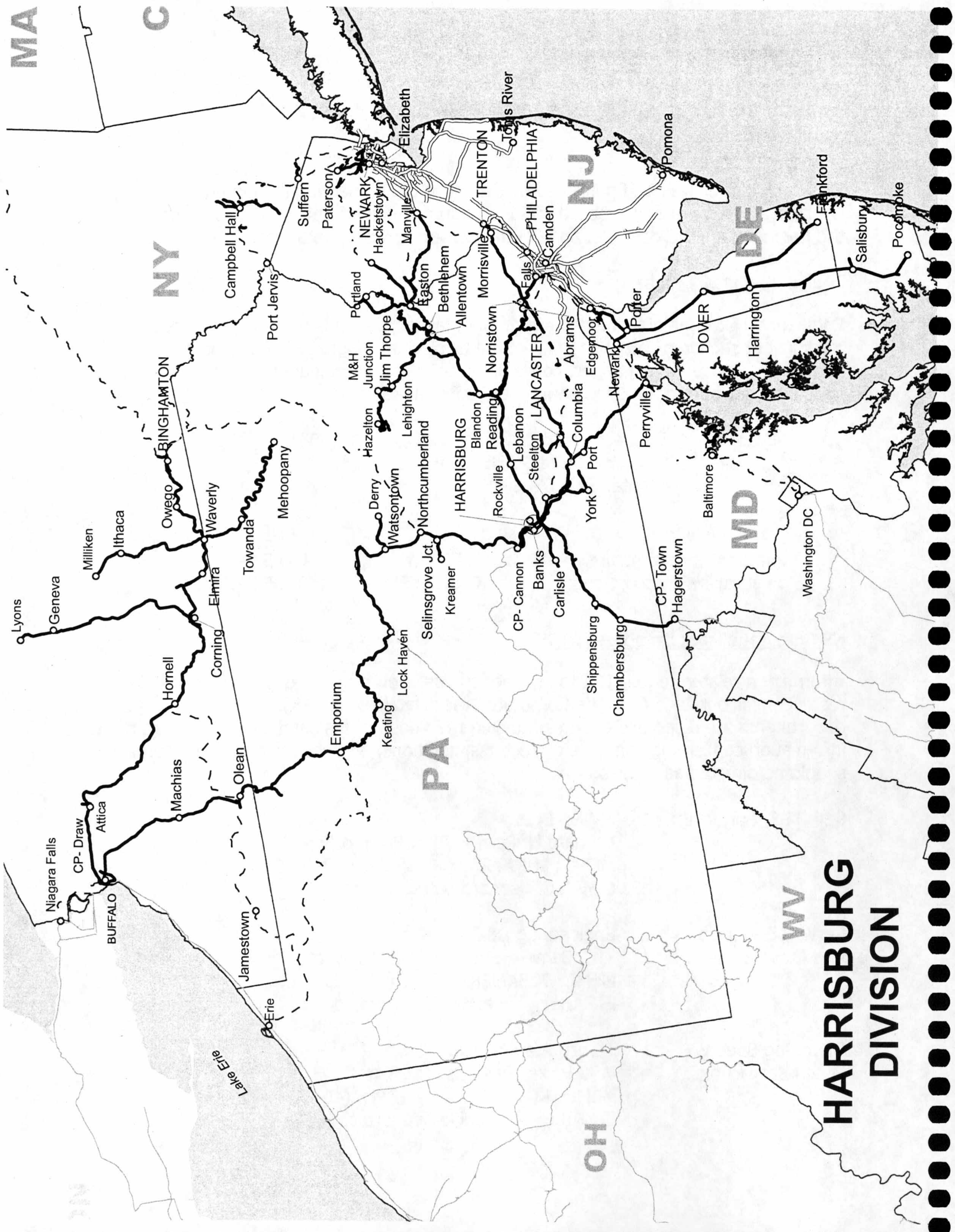
Engineering D&C maintains a departmental database, which is used to generate the track layout section or center portion of the track chart diagram. Questions or information concerning changes, corrections, additions, or deletions to this section should be directed to the Engineering D&C office as follows:

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Information related to rail, T&S, surfacing, curves, elevation, speeds, and, speed restrictions is obtained from the Corporate Track Database (CTRK). Various departments are responsible for maintaining their data in this database. Questions or information concerning changes, corrections, additions, or deletions to these records should be directed as follows:

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Speed Restrictions:

Transportation Dept.  
K. L. Ricks, Systems Mgr. Trans.  
MEMO: KLRICKS PH. (404) 529-2298  
E-MAIL: kevin.ricks@nscorp.com



# HARRISBURG DIVISION

MA

C

NY

NJ

DE

MD

WV

OH

Lyons

Geneva

Milliken

Ithaca

Owego

BINGHAMTON

Waverly

Towanda

Mehoopany

Corning

Elmira

Homell

Machias

Olean

Jamestown

Erie

CP- Draw

Attica

Buffalo

Lake Erie

Emporium

Keating

Lock Haven

Selinsgrove Jct.

Kreamer

Watson

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Hazleton

M&H Junction

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JAKE-GRAVEL	DG- 000.00 - 002.00	STROUDSBURG SEC.	65
SUFFERN-SPRING VALLEY	MX- 000.00 - 006.50	SUFFERN I.T.	379
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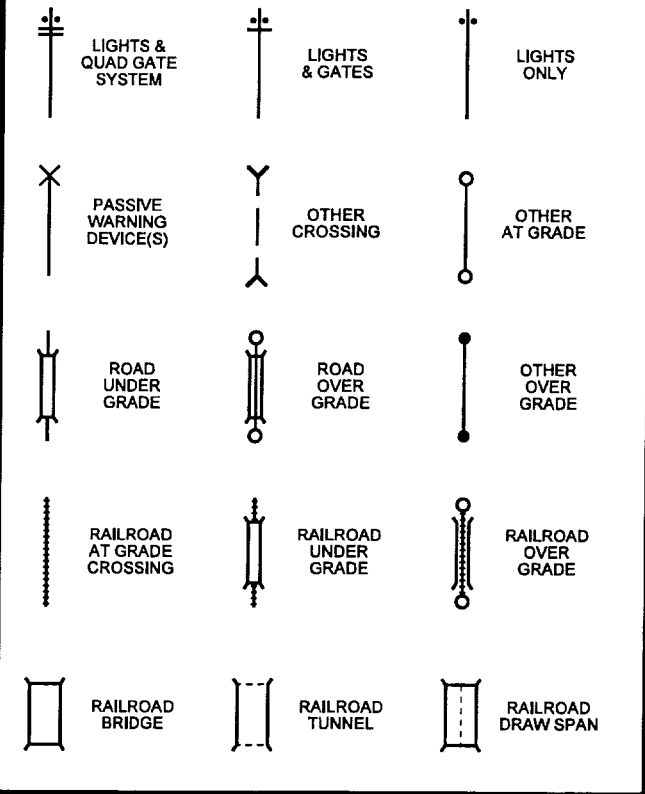
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 NJ/PA LINE-E SLATEFORD JCT  
 LOUDON PARK-STOCK YARD  
 PERRYVILLE-PORT  
 EASTON-PORTLAND  
 MOUNTAIN VIEW-POMPTON JCT  
 HARRIS-CP CANNON  
 PERKIOMEN-DEVAULT  
 BELVIDERE  
 MANHEIM  
 M&H JCT-ASHMORE  
 HORSEHEADS-END  
 HARLEIGH JCT  
 CROFT-CP WAVERLY  
 SEAFORD-GLEN MILLS  
 ABRAMS-SEARS  
 CAMPBELL HALL-MAYBROOK  
 CP BLANDON-ALLENTOWN  
 SHOCKS-HARRIS  
 BETHLEHEM-UHLERS  
 LEMOYNE-CARLISLE  
 BINGHAMTON-CP DRAW  
 SELINGSGROVE JCT-KREAMER  
 HAZLETON JCT-HARLEIGH JCT  
 CP BLANDON-CP BELT  
 LITTLE FALLS-MOUNTAIN VIEW  
 CP TULP-WYOMISSING JCT  
 CORNING-GANG MILLS  
 NORTH ALEXANDER-ATTICA  
 CARL-MT. HOLLY SPRINGS  
 READING  
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 SHELLPOT BR-EDGEMOOR  
 BINGHAMTON-PORT DICKINSON  
 PENCOYD-CONTAINER CORP.  
 OAK-JUNIATA STREET  
 LUDLOW-LEHIGH CONN  
 CLAYTON  
 ACKWORTH-DOWNINGTOWN  
 BINGHAMTON-WILLOW PT  
 ALLEN JCT-ALLENTOWN  
 HACKETTSTOWN-PHILLIPSBURG  
 WATSONTOWN-DERRY  
 WALDEN-MONTGOMERY  
 RIVER-PORTER  
 PORTER-REYBOLD  
 STONEY BROOK-YORK  
 BUFFALO  
 WAGO-YORK  
 PERRYVILLE  
 LANCASTER-COLUMBIA  
 NEWBURG JCT-HARRIMAN  
 WILMINGTON  
 WALL-ZINNS MILL  
 BROOK-QUARRY  
 FOREST HILL-GREAT NOTCH  
 WASHINGTON-END

OO- 072.80 - 073.70  
 OR- 080.50 - 082.40  
 OV- 000.00 - 001.10  
 PD- 000.30 - 039.70  
 PO- 000.00 - 022.00  
 PQ- 021.40 - 022.10  
 PT- 104.90 - 119.16  
 PX- 000.00 - 010.80  
 QE- 064.00 - 065.30  
 QF- 000.00 - 000.40  
 QH- 000.00 - 010.80  
 QM- 000.00 - 003.60  
 QO- 150.70 - 151.80  
 QR- 271.60 - 273.20  
 QT- 000.00 - 002.30  
 QU- 000.00 - 001.55  
 RT- 001.30 - 007.50  
 RV- 007.50 - 036.30  
 RY- 000.00 - 021.46  
 SE- 000.00 - 022.60  
 SI- 000.50 - 021.00  
 SR- 213.00 - 423.15  
 SV- 000.00 - 007.70  
 TH- 145.80 - 149.60  
 TK- 000.00 - 005.40  
 TO- 018.00 - 021.00  
 TW- 008.10 - 009.40  
 TZ- 071.74 - 074.70  
 UG- 361.90 - 365.00  
 UH- 006.30 - 007.90  
 UI- 058.20 - 060.60  
 UJ- 000.00 - 001.90  
 UQ- 008.80 - 010.20  
 US- 000.00 - 001.00  
 UT- 191.60 - 194.00  
 VE- 000.00 - 001.80  
 VI- 000.00 - 002.30  
 VM- 060.10 - 066.60  
 VQ- 000.00 - 000.40  
 VR- 019.20 - 021.50  
 VT- 192.80 - 196.60  
 VY- 000.00 - 002.80  
 WD- 058.00 - 080.30  
 WH- 000.00 - 014.20  
 WI- 029.14 - 032.90  
 WO- 000.00 - 014.00  
 YI- 000.00 - 004.40  
 YR- 007.50 - 012.70  
 YU- 000.00 - 000.90  
 YX- 002.40 - 012.50  
 ZK- 000.00 - 000.40  
 ZL- 068.40 - 080.30  
 ZU- 045.00 - 045.90  
 ZV- 000.00 - 000.60  
 ZW- 000.50 - 000.90  
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 066.50 - 067.60 -TG

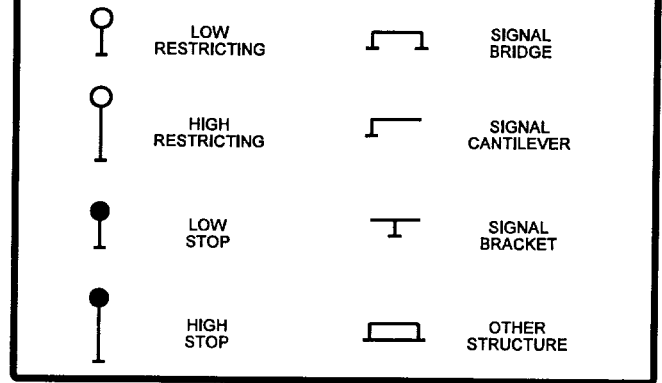
PORT ROAD BR CONN. 248  
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## TRACK CHART SYMBOL LEGEND

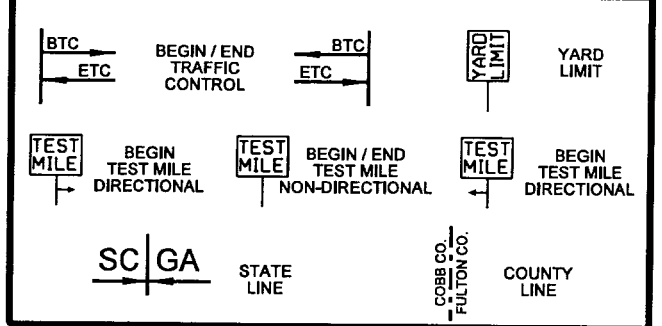
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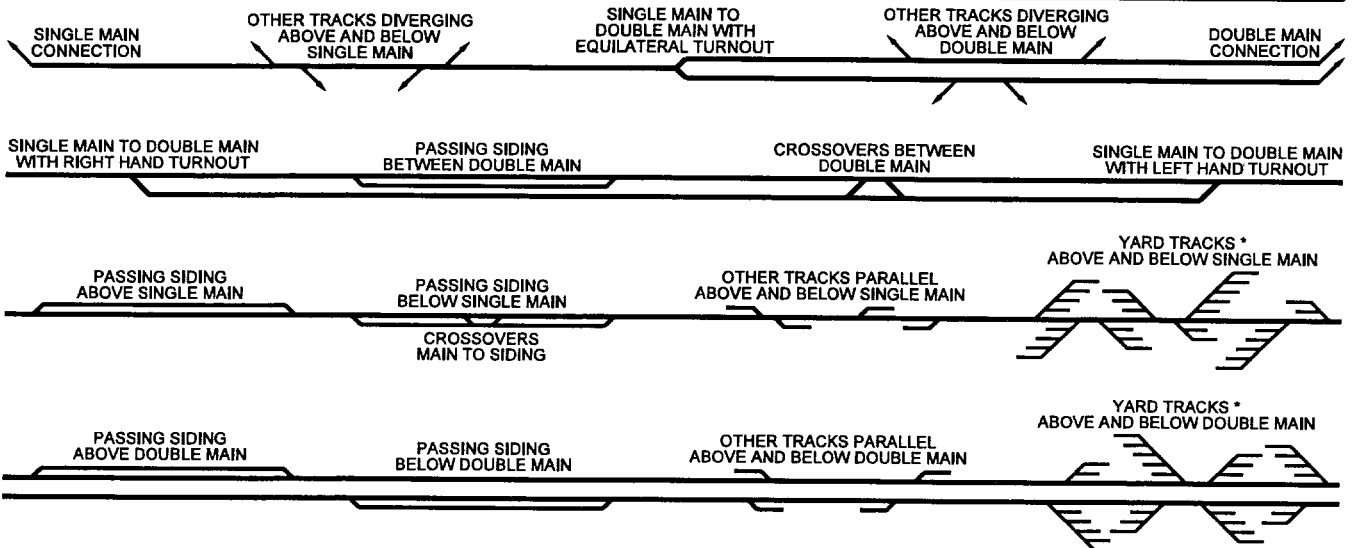
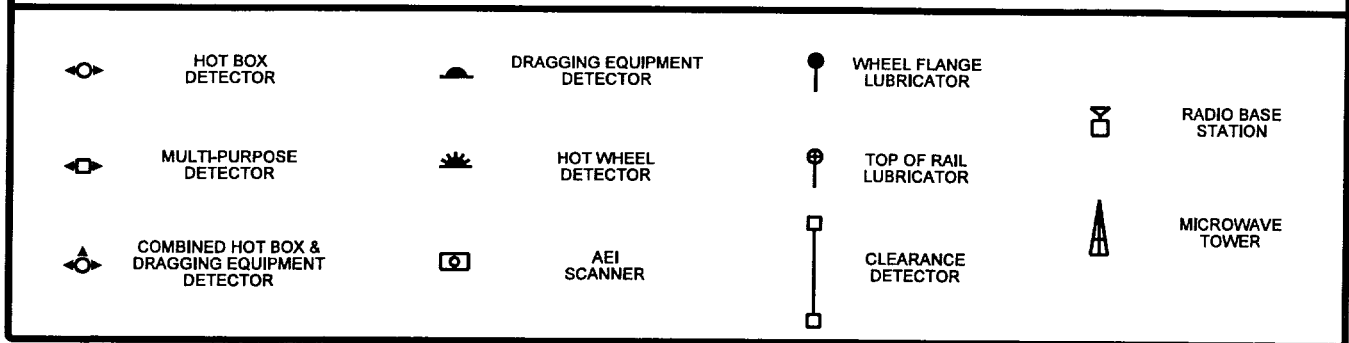
### SIGNAL TYPES & SIGNAL STRUCTURES



### TERRITORY MARKERS



### TRACK & COMMUNICATION EQUIPMENT



\*YARD TRACK SYMBOLS MAY BE USED TO INDICATE MULTIPLE TRACKS TOO COMPLEX TO SHOW IN DETAIL

07/25/2007

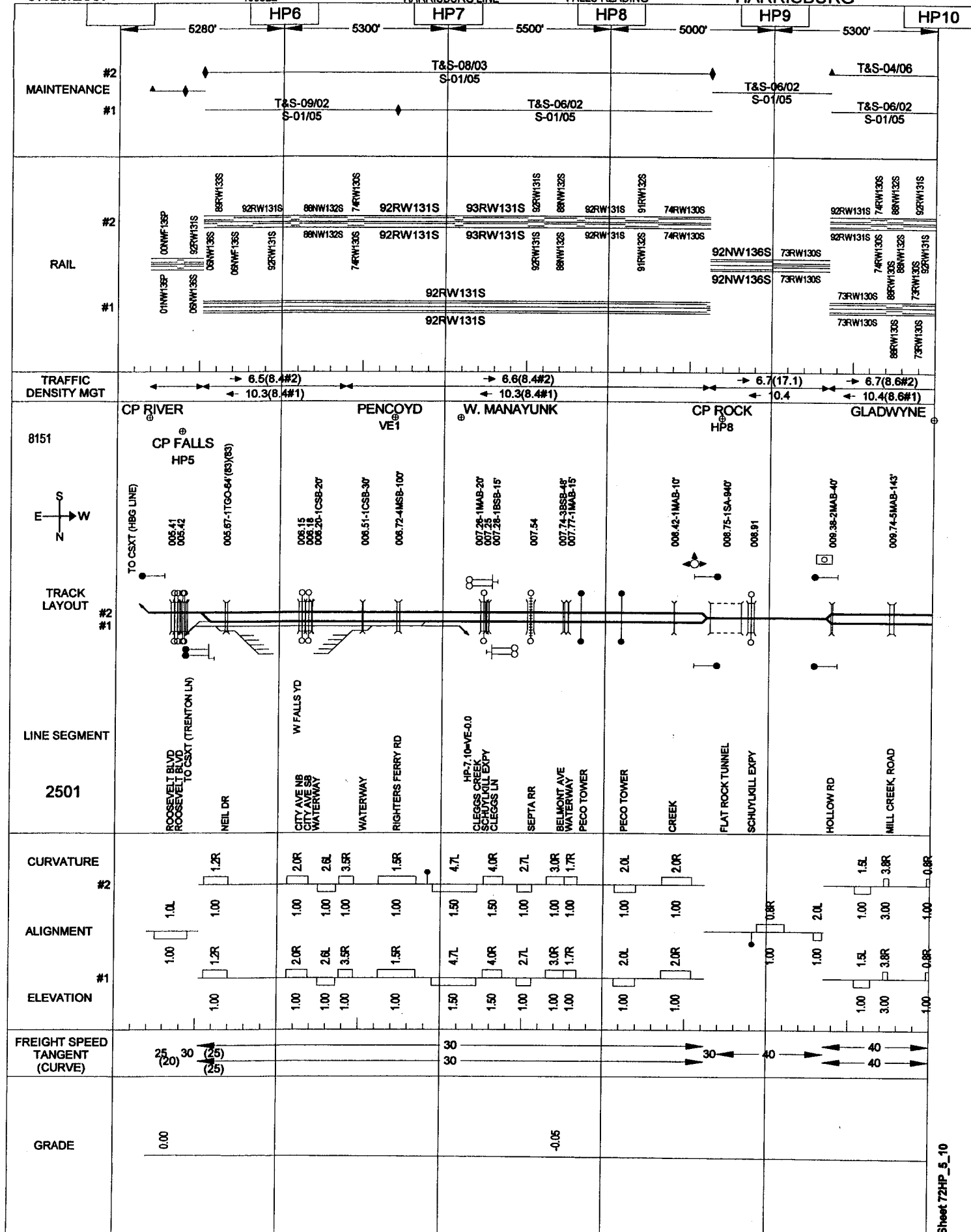
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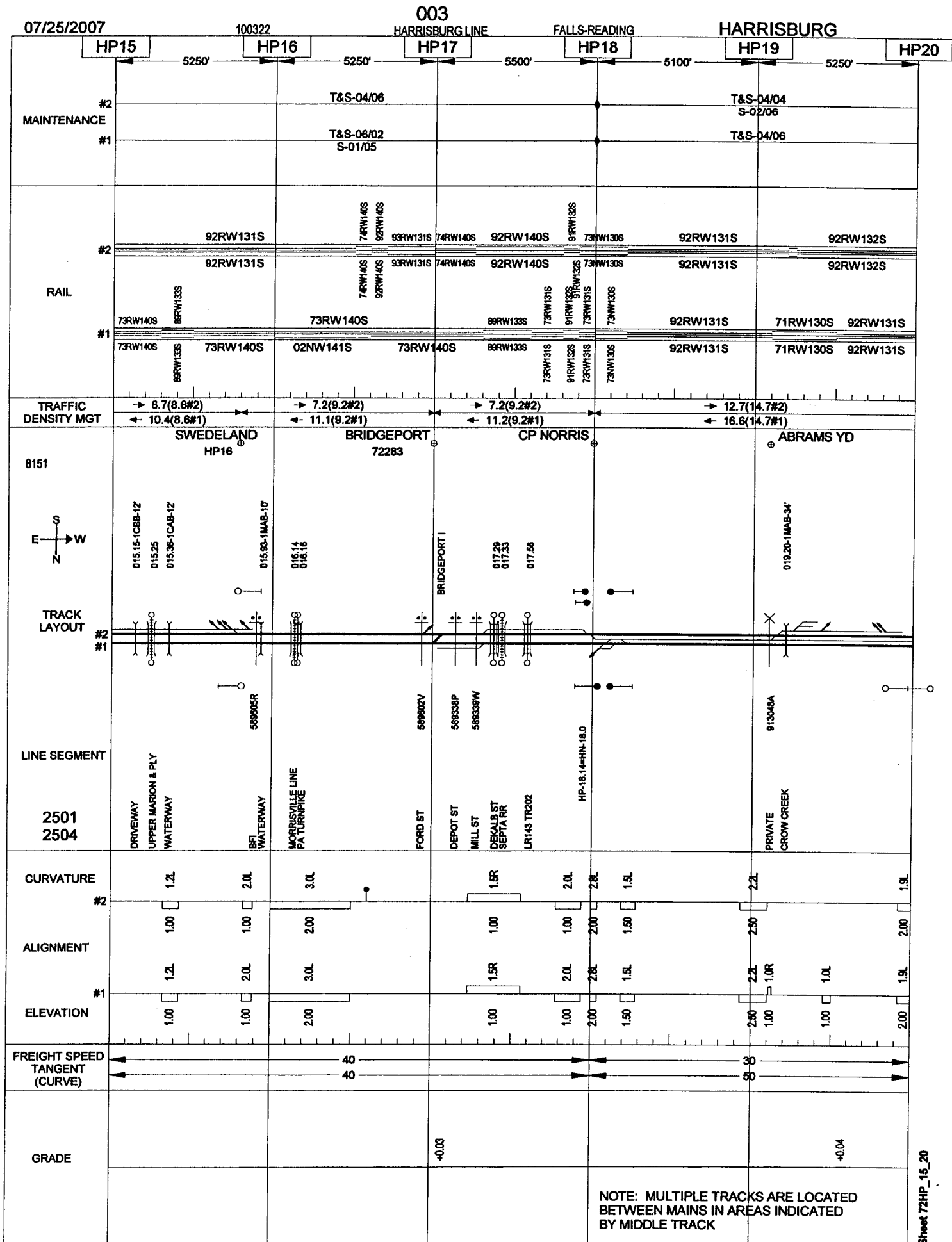
HARRISBURG LINE

FALLS-READING

HARRISBURG



[illegible]





HARRISBURG

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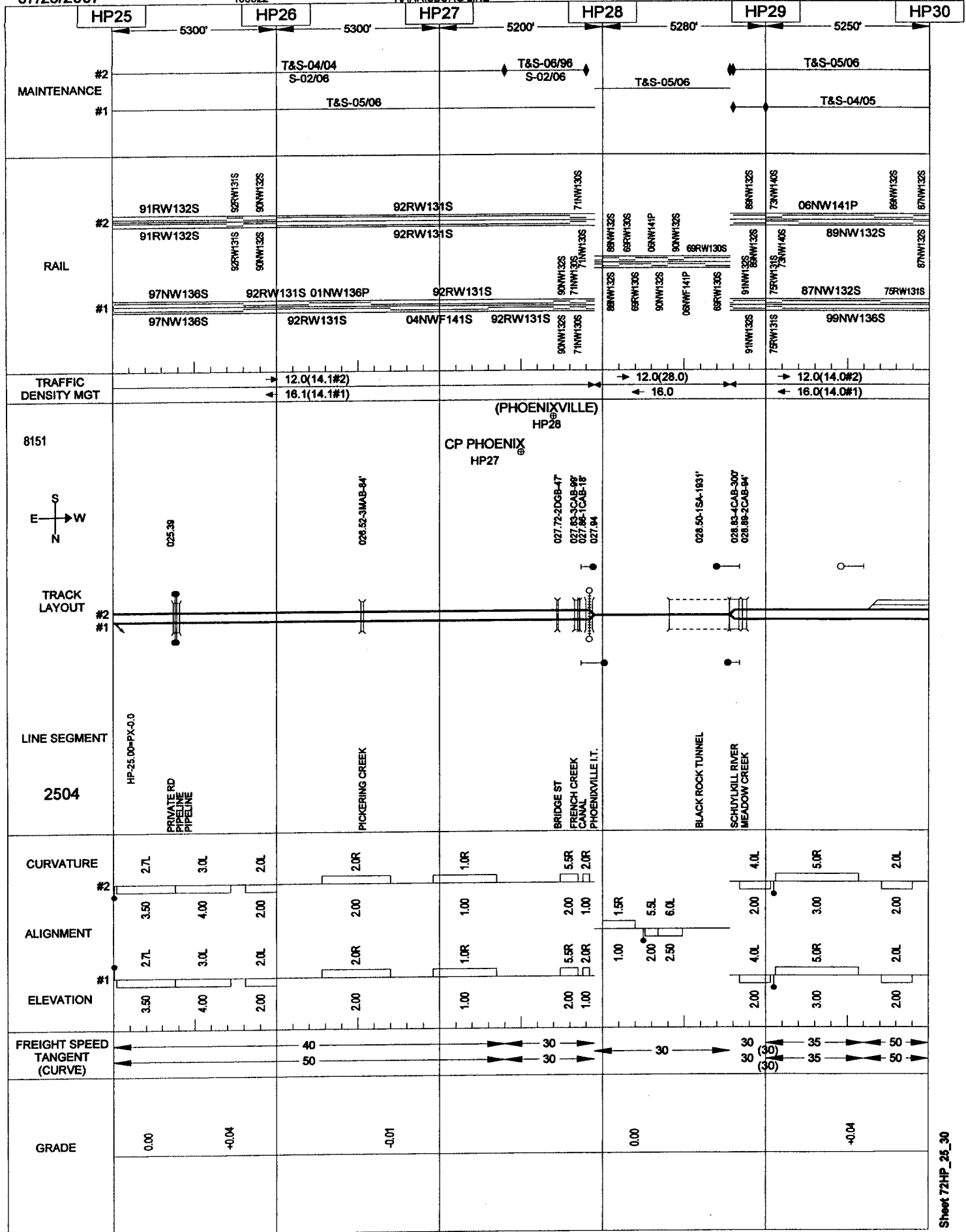
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005  
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FALLS-READING

HARRISBURG



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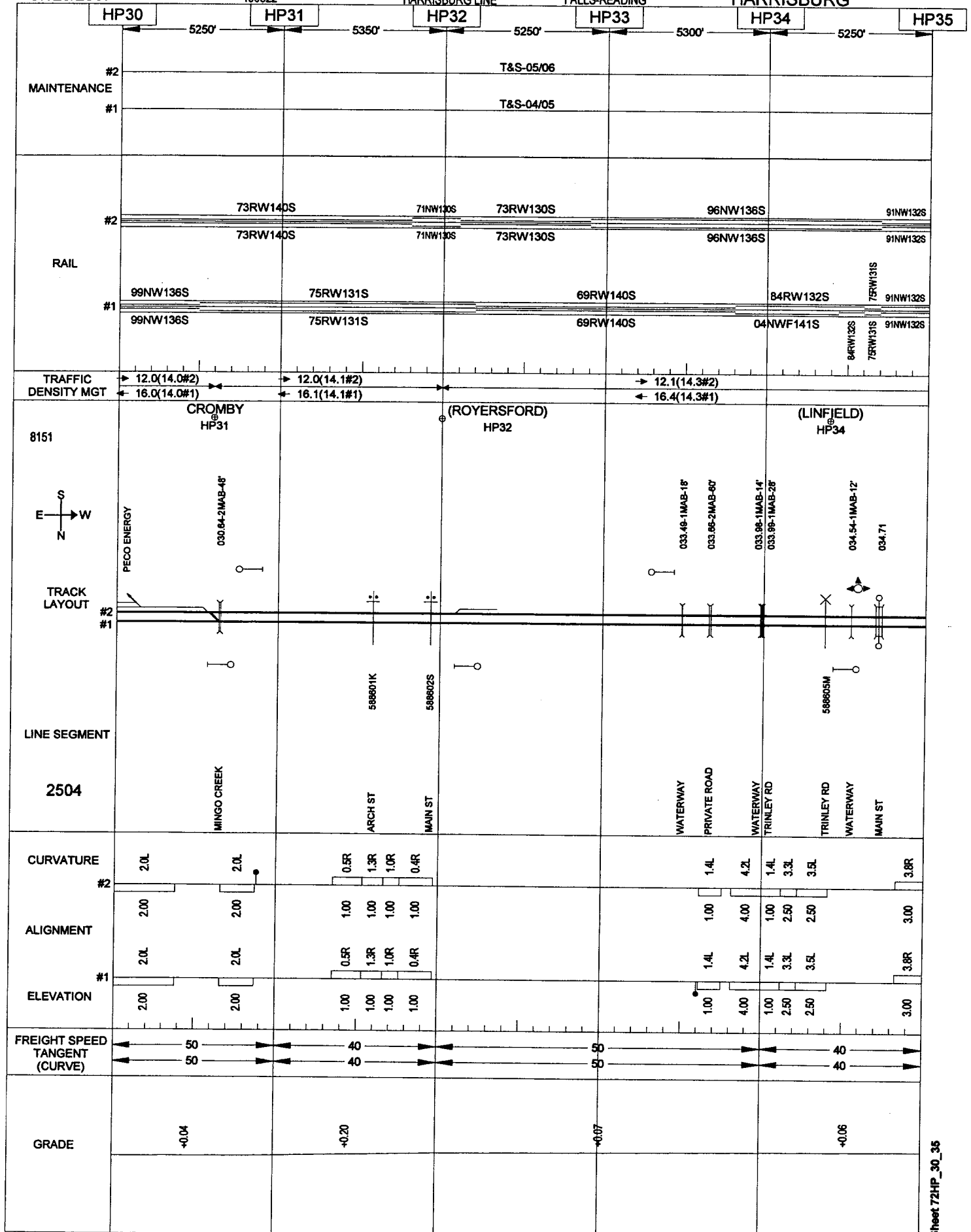
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HARRISBURG LINE

FALLS-READING

HARRISBURG



		HP35	HP36	HP37	HP38	HP39	HP40
		5250'	5250'	5350'	5250'	5300'	
MAINTENANCE	#2	T&S-05/06					
	#1	T&S-04/05					
RAIL	#2	91NW132S 74NW131S	96NW136S	87NW132S	74NW131S	70NW130S	70NW130S
	#1	91NW132S 75NW131S 69RW140S 87NW132S	96NW136S	87NW132S 69RW140S	74NW131S	70NW130S	70NW130S
	#2	91NW132S 75NW131S 69RW140S 87NW132S	96NW136S	87NW132S 69RW140S	74NW131S	70NW130S	70NW130S
	#1	91NW132S 75NW131S 69RW140S 87NW132S	96NW136S	87NW132S 69RW140S	74NW131S	70NW130S	70NW130S
TRAFFIC DENSITY MGT		→ 12.1(14.3#2) ← 16.4(14.3#1)					
8151		(LIMERICK)					
E S N W		035.05 035.62-1MAB-18' 035.67-1MAB-12' 036.22-2MAB-24' 037.35-2MAB-68' 038.11-2CAB-34' 038.29 038.51 038.90 IND LEAD 039.28-1MAB-13' 039.41-1TGB-60' 039.88-1CSB-13'					
TRACK LAYOUT		#2 #1					
LINE SEGMENT		LONGVIEW RD PRIVATE ROAD BROOKE EVANS CREEK PECO WATERWAY PVT-LIMERICK PWR PLT 917031K PUBLIC ROAD WATERWAY LR 1041-1 ARNOLD HAMER MOSERS RD WATERWAY KEIM ST HUBLEY RUN					
2504							
CURVATURE		3.8R 2.0L 0.7L 3.5R 1.5L 2.7R 4.0L 1.0L 4.0L 2.0R 1.0L					
ALIGNMENT		3.00 2.00 1.00 4.00 1.50 3.50 4.00 1.00 4.00 2.00 1.00					
ELEVATION		3.00 2.00 1.00 4.00 1.50 3.50 4.00 1.00 4.00 2.00 1.00					
FREIGHT SPEED TANGENT (CURVE)		40 40 50 45 50 40 40 50 50 50					
GRADE		-0.06 -0.02					

Sheet 72HP\_35\_40

07/25/2007

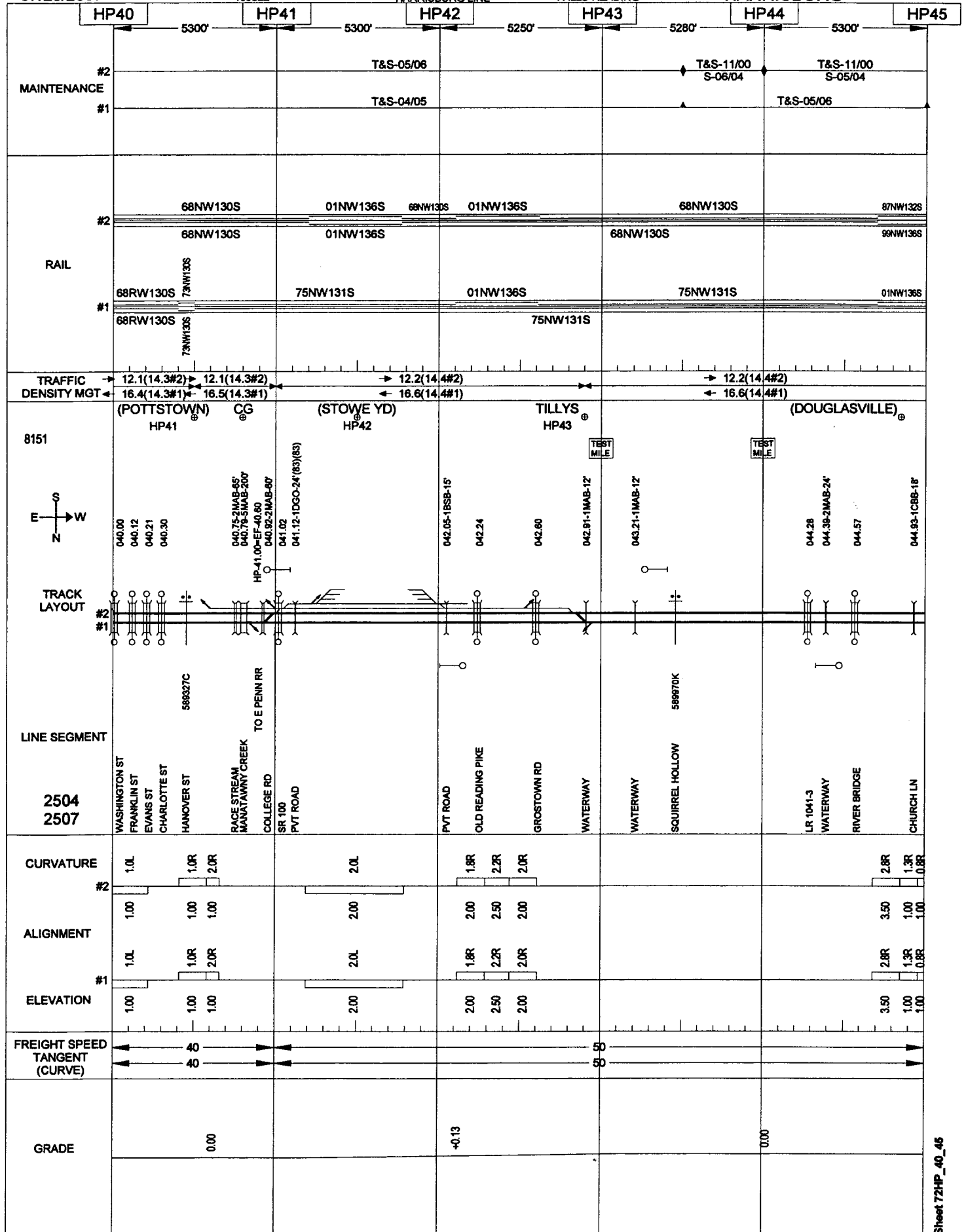
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FALLS-READING

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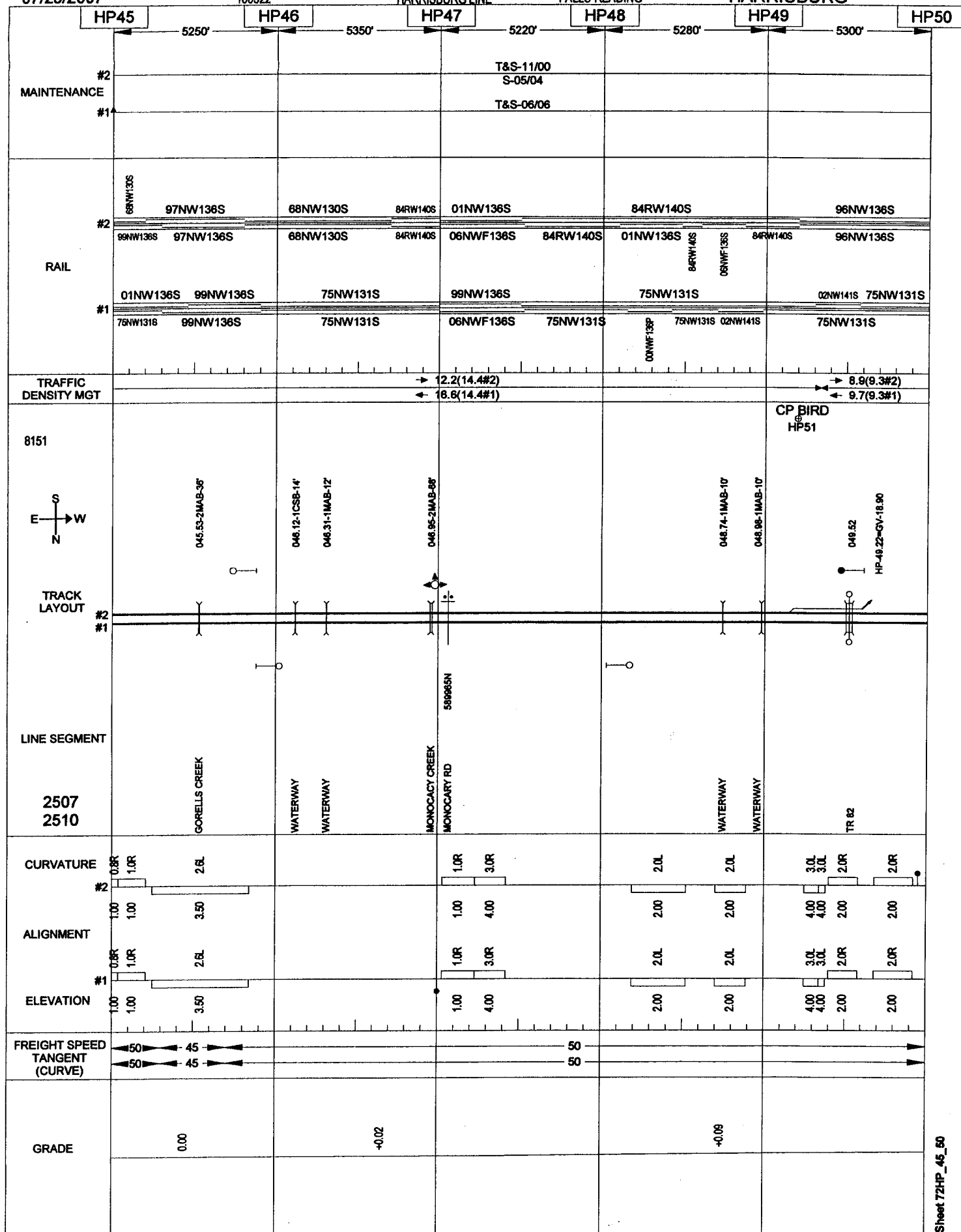
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009

HARRISBURG LINE

FALLS-READING

HARRISBURG



HARRISBURG

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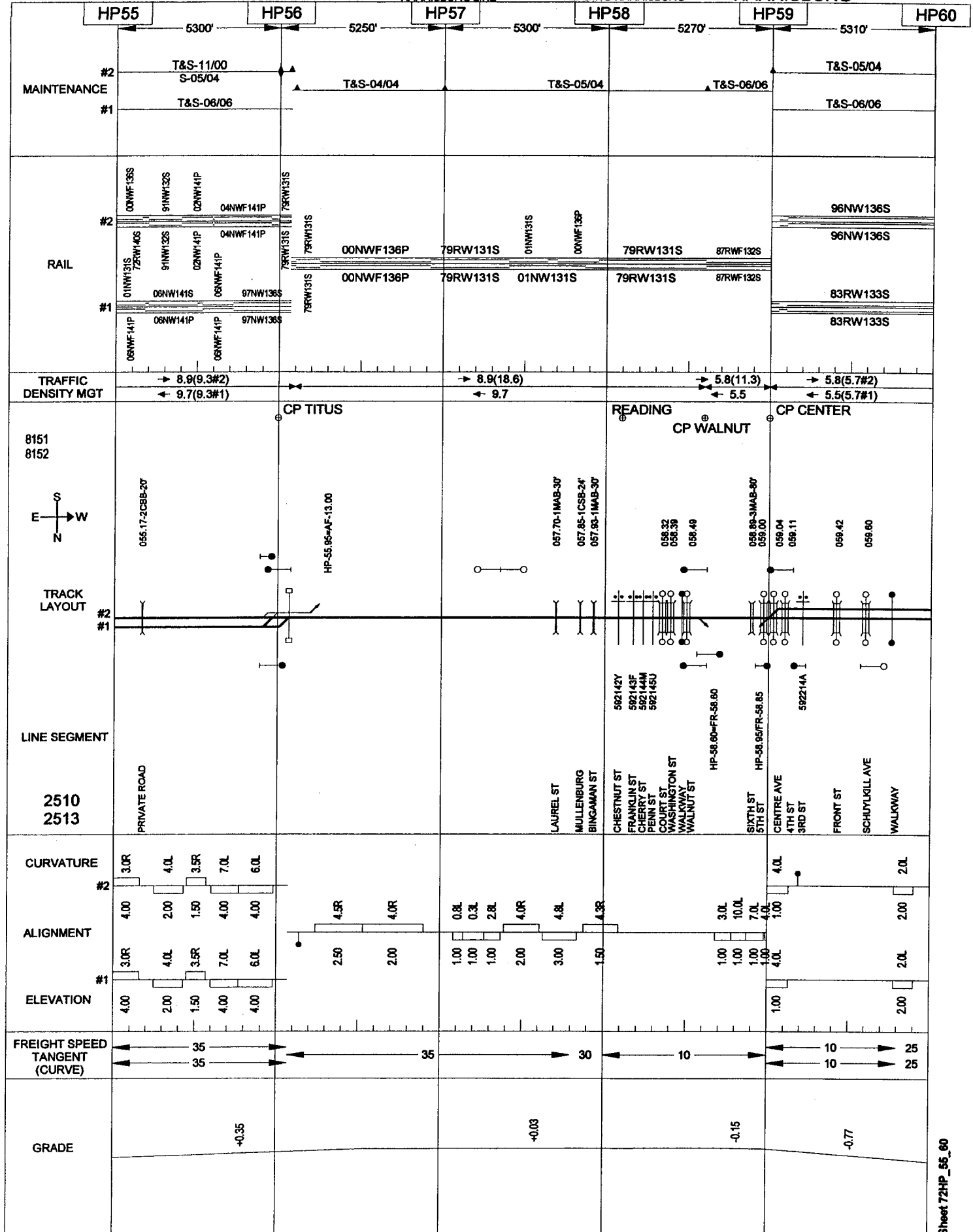
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011  
HARRISBURG LINE

READING-HARRISBURG

HARRISBURG



06/15/2007

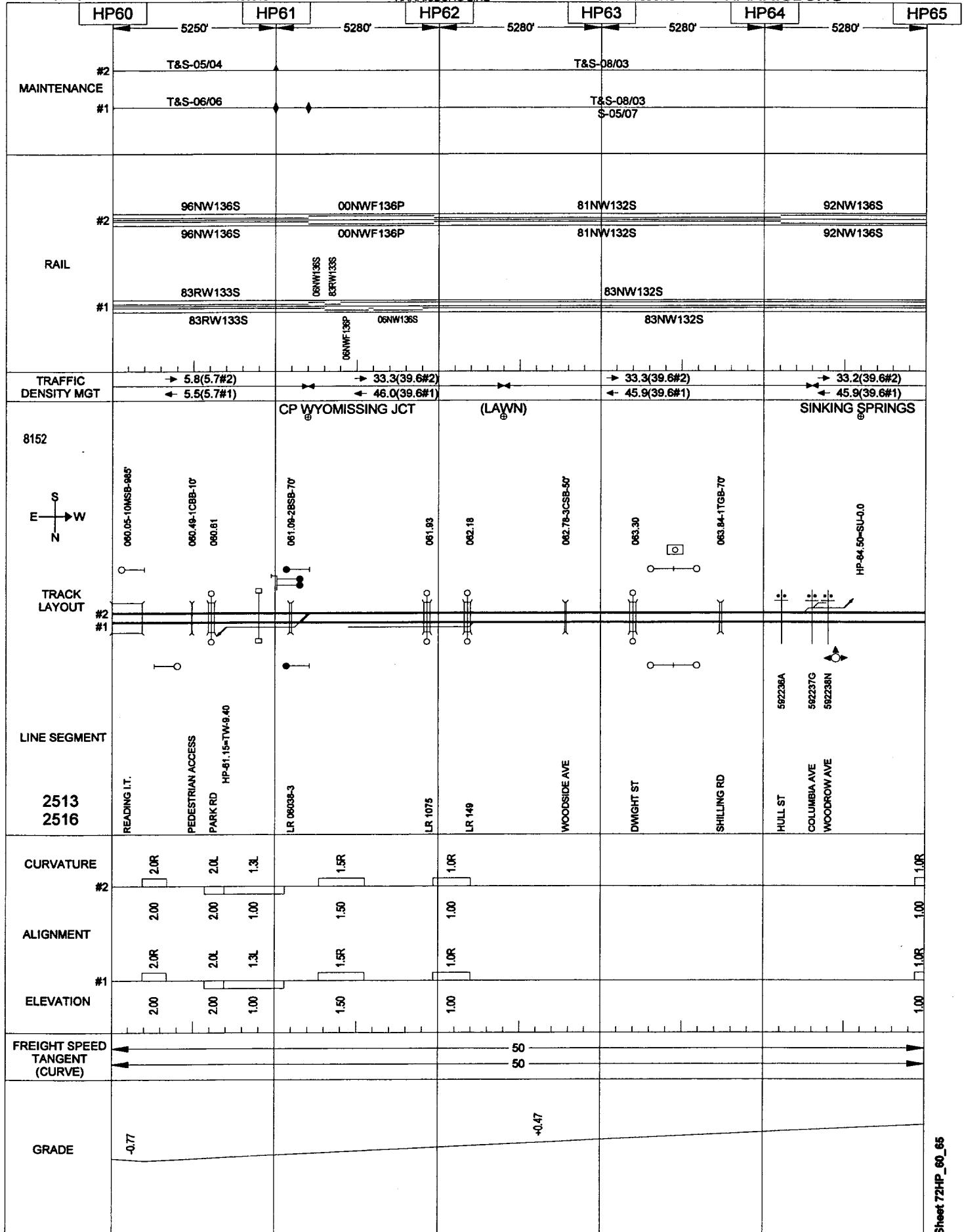
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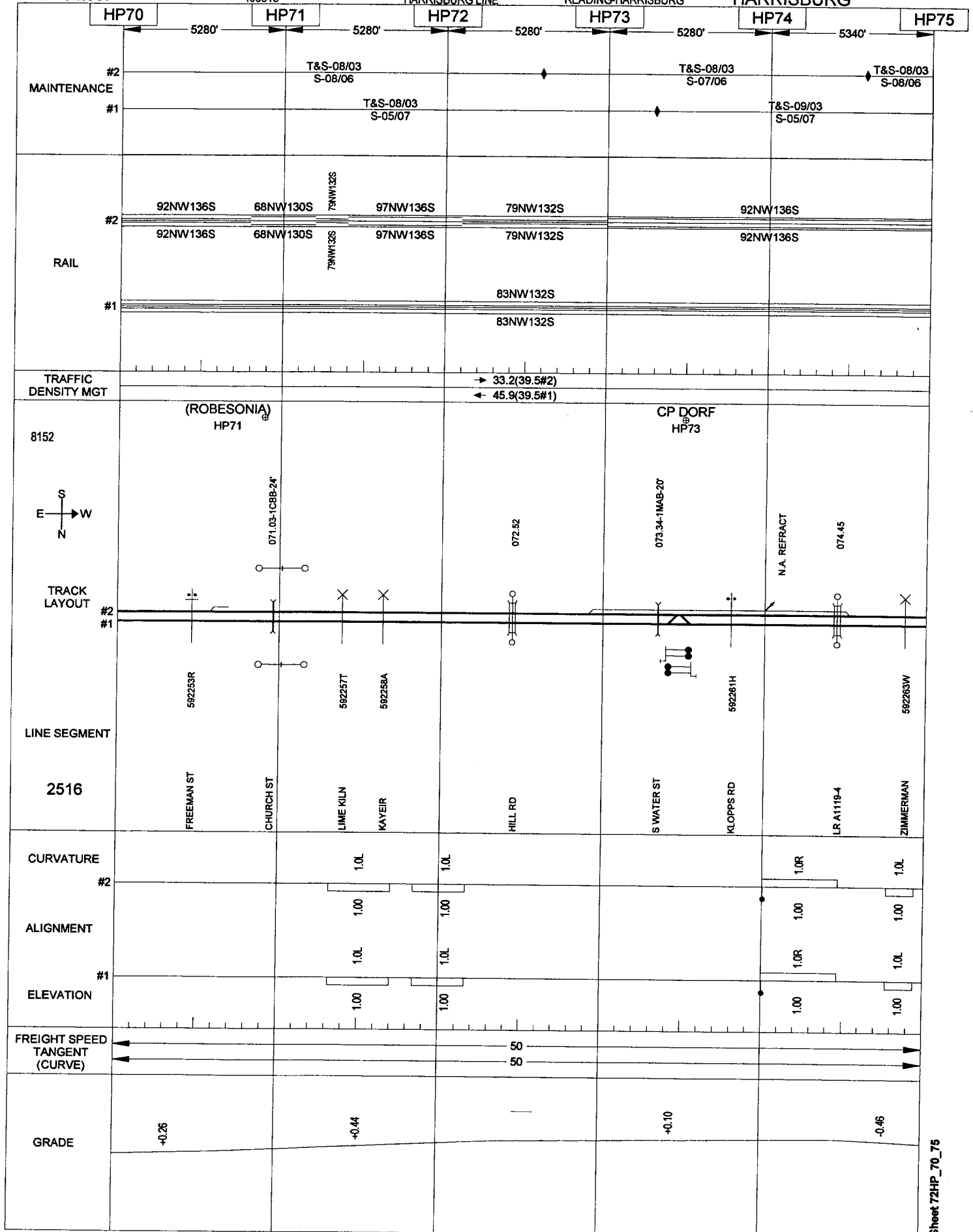
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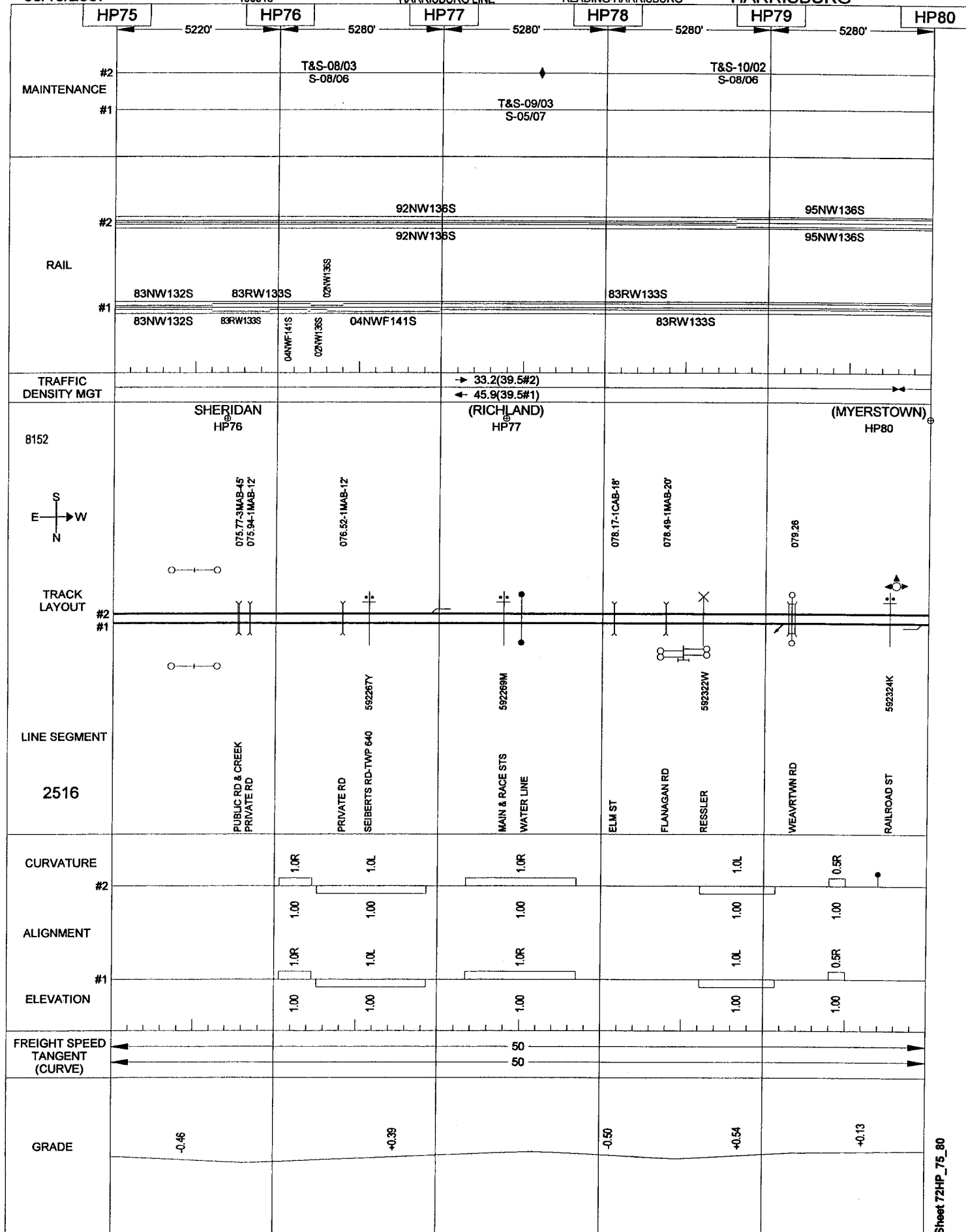
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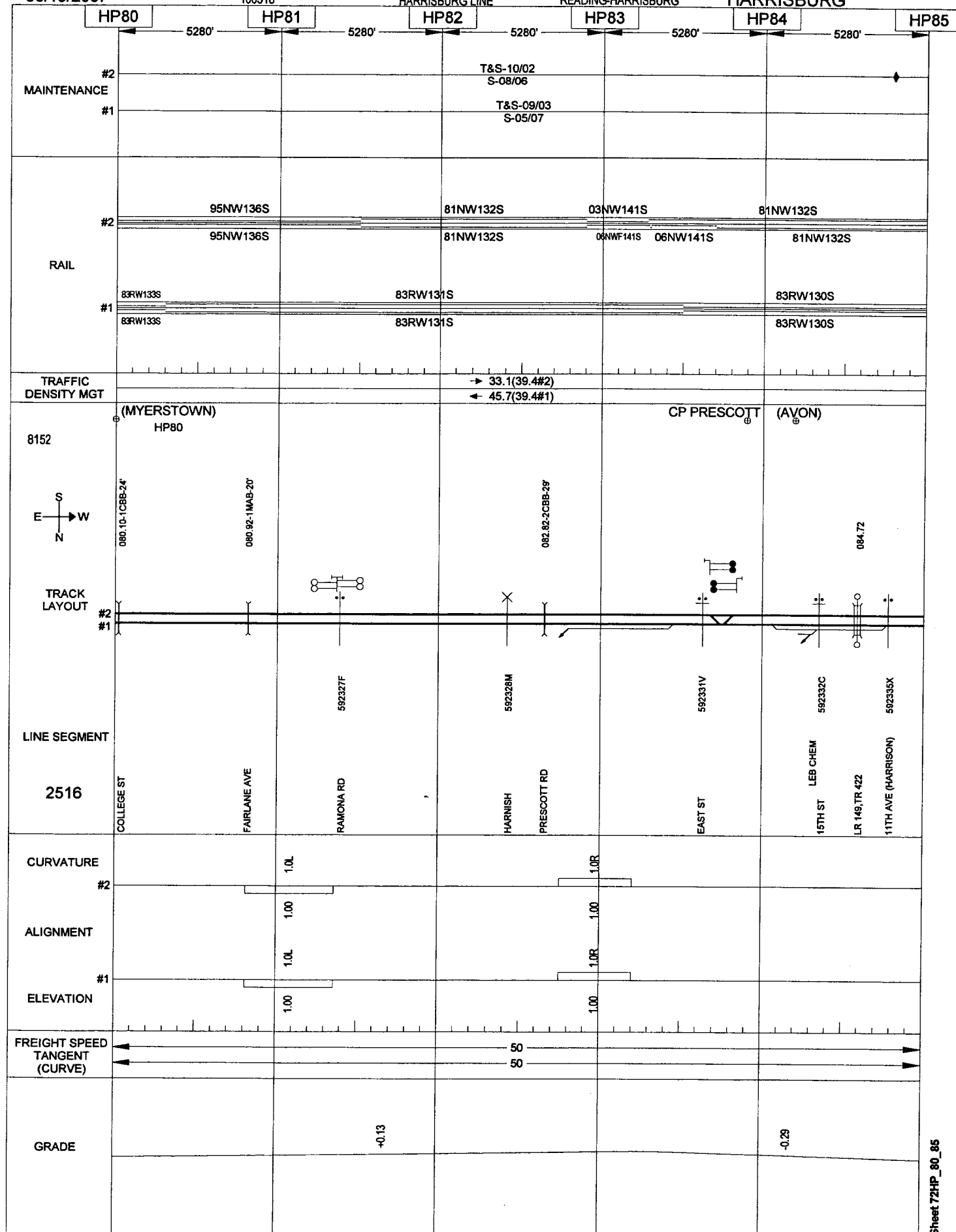
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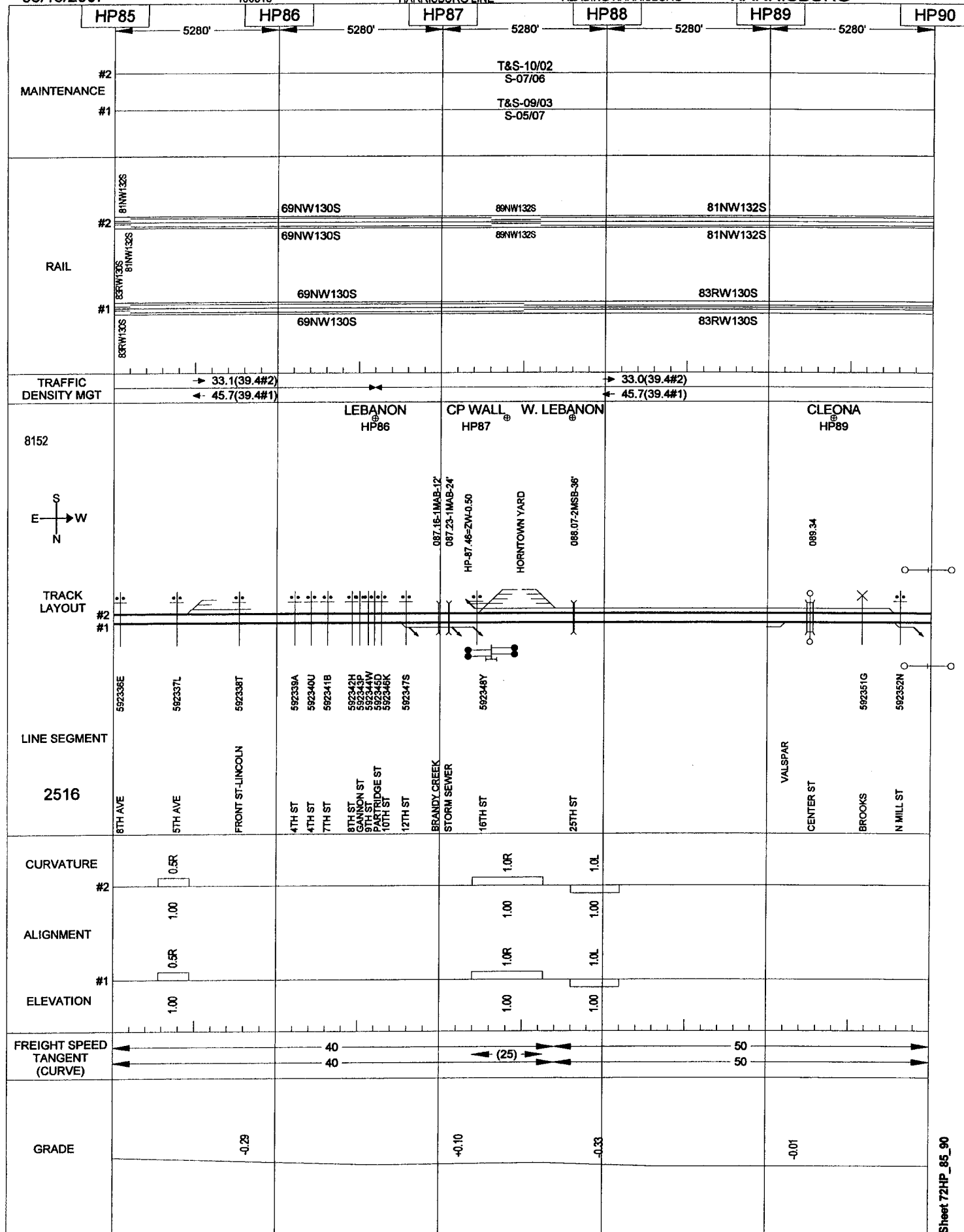
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HARRISBURG LINE

READING-HARRISBURG

HARRISBURG



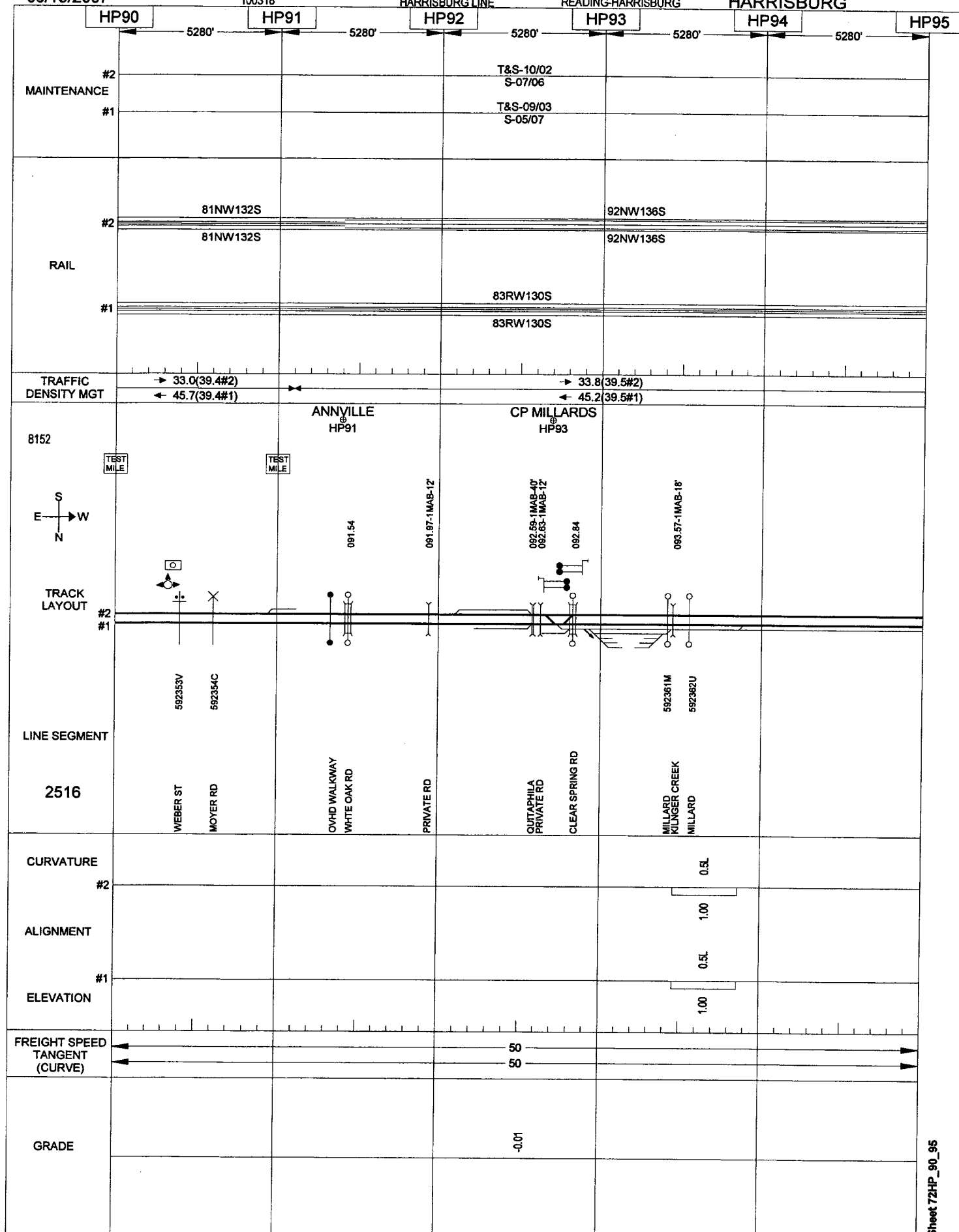
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HARRISBURG LINE

READING-HARRISBURG

HARRISBURG



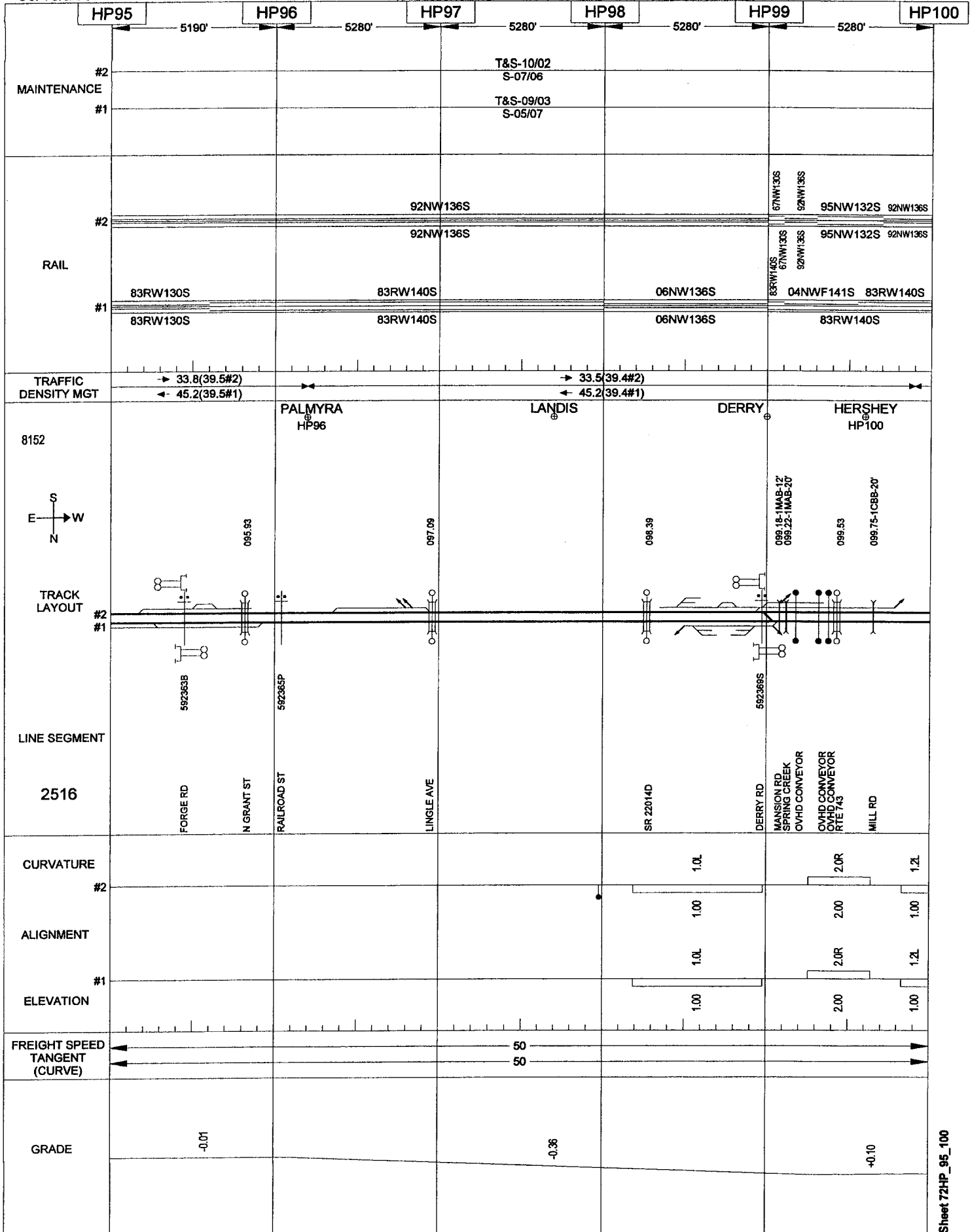
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READING-HARRISBURG

HARRISBURG



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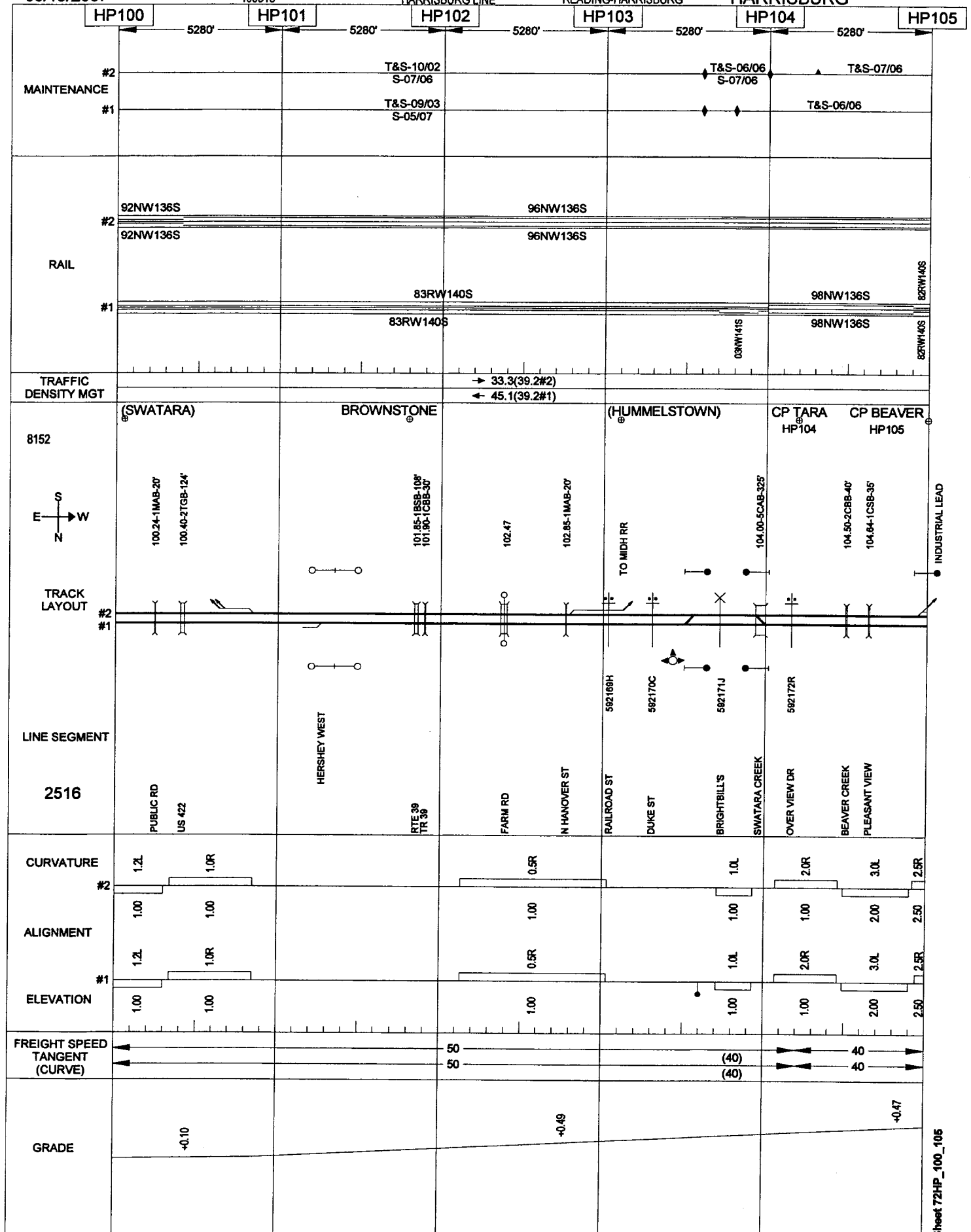
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HARRISBURG LINE

READING-HARRISBURG

HARRISBURG



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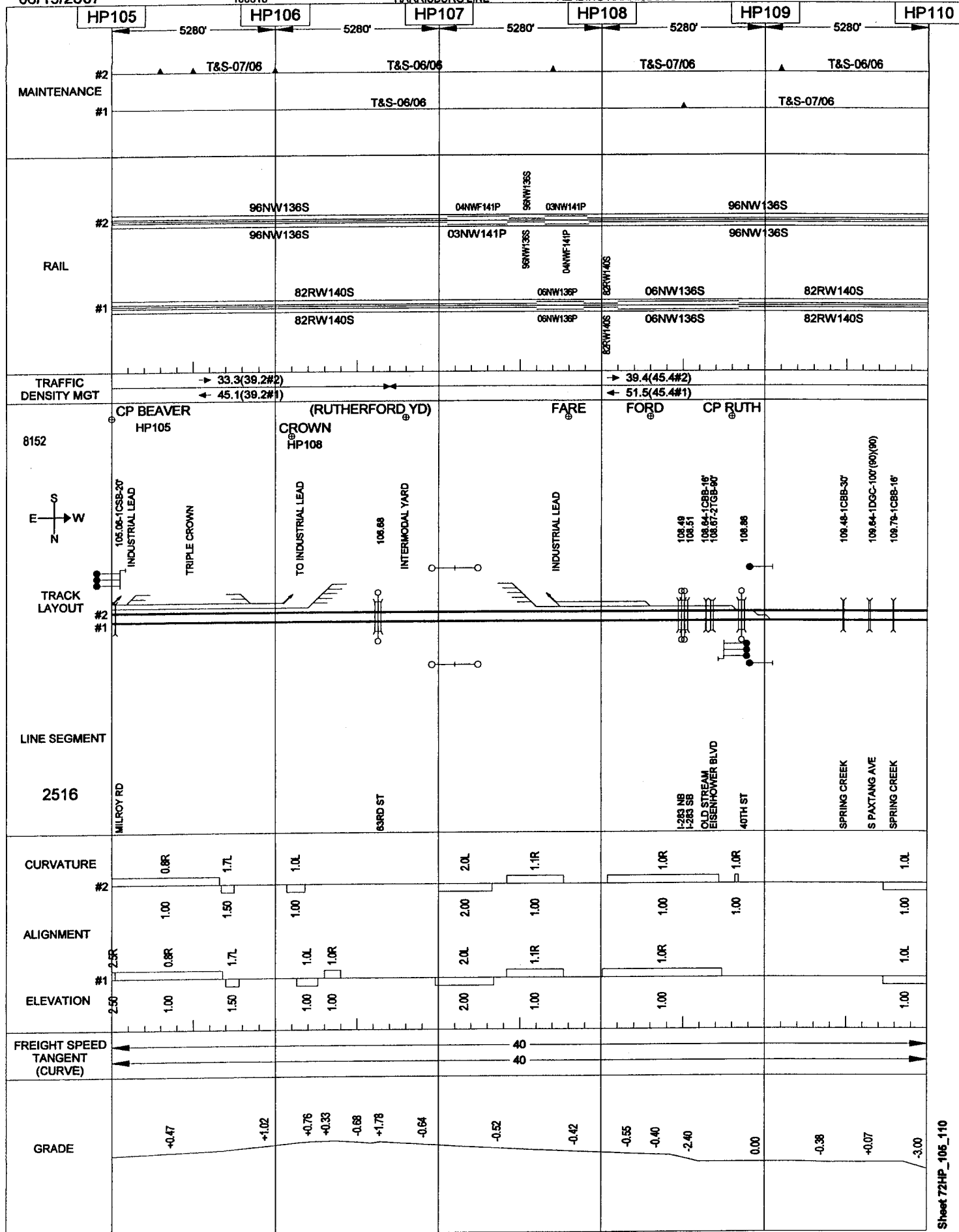
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HARRISBURG LINE

READING-HARRISBURG

HARRISBURG





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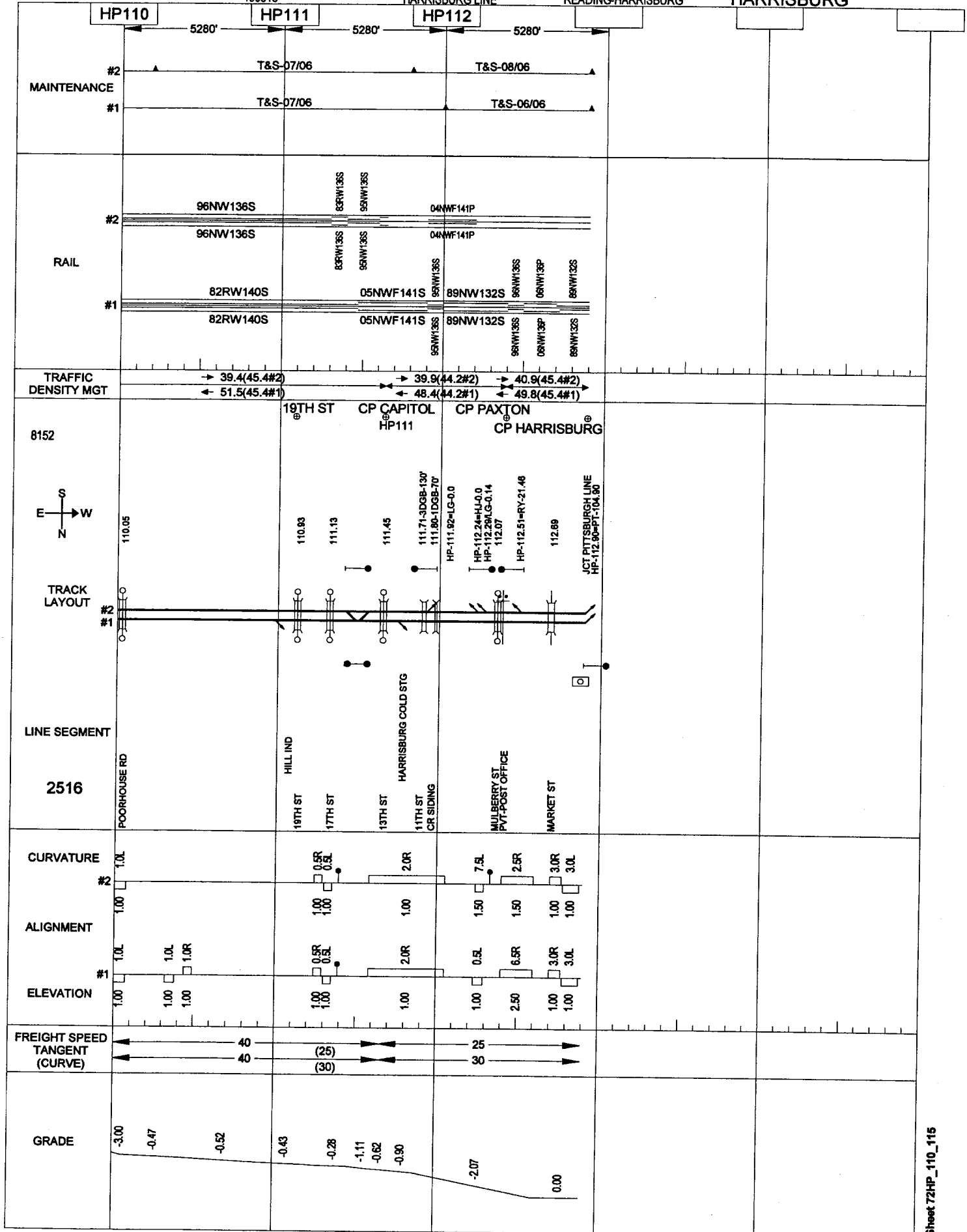
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022

HARRISBURG LINE

READING-HARRISBURG

HARRISBURG



PT105

- 5279' -

#1  
CE  
#2

#1

#2

#1  
#2

2585

**#1**

ELEVATION

30	
30	

+0.45

83RW133S	83RW133S	55UJ130S	55UJ130S
----------	----------	----------	----------

TO AMTRAK  
104.90

PT-104.90=HP-112.90

TO YARD

Sheet 72PT\_100\_105

06/15/2007

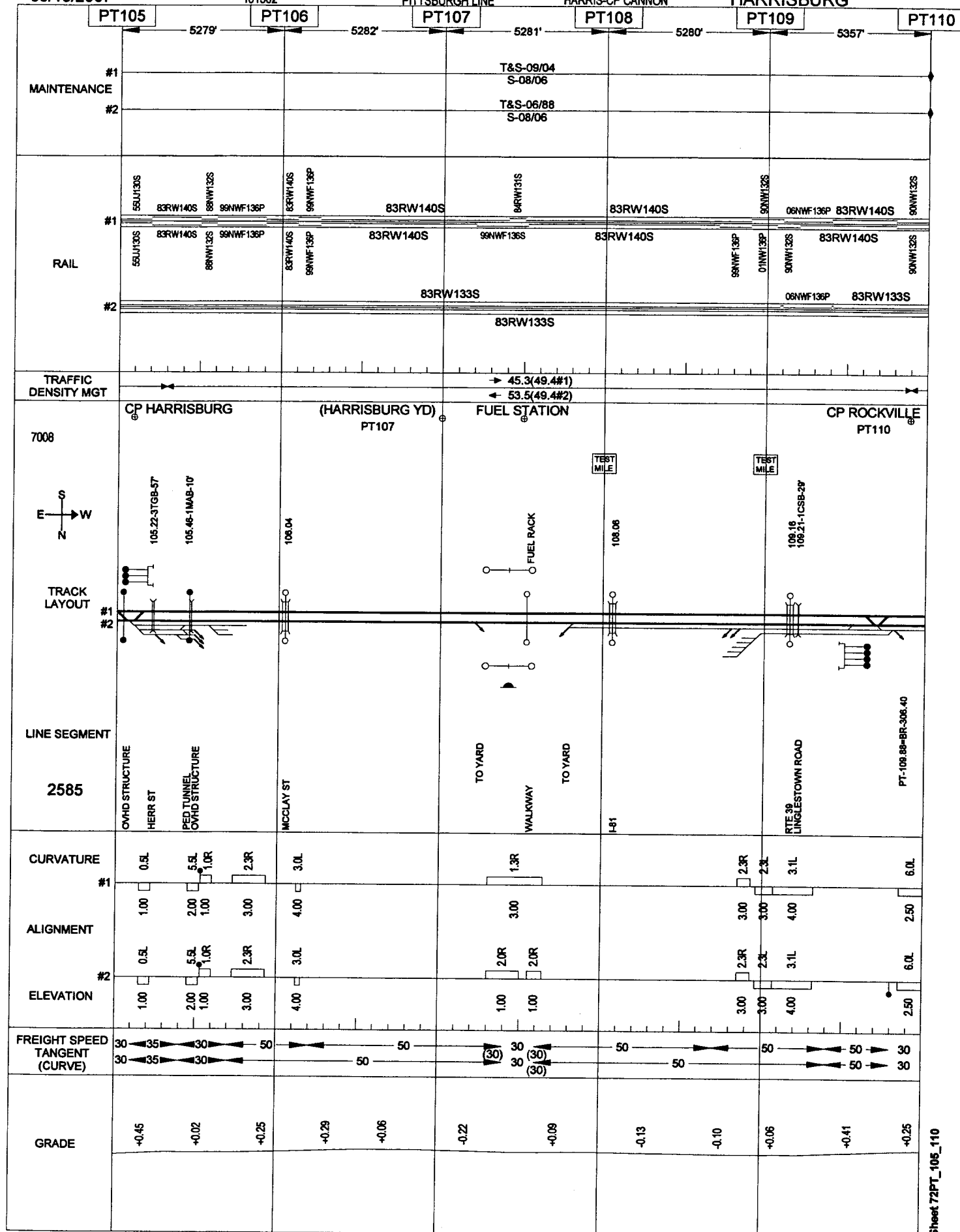
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024

PITTSBURGH LINE

HARRIS-CP CANNON

HARRISBURG





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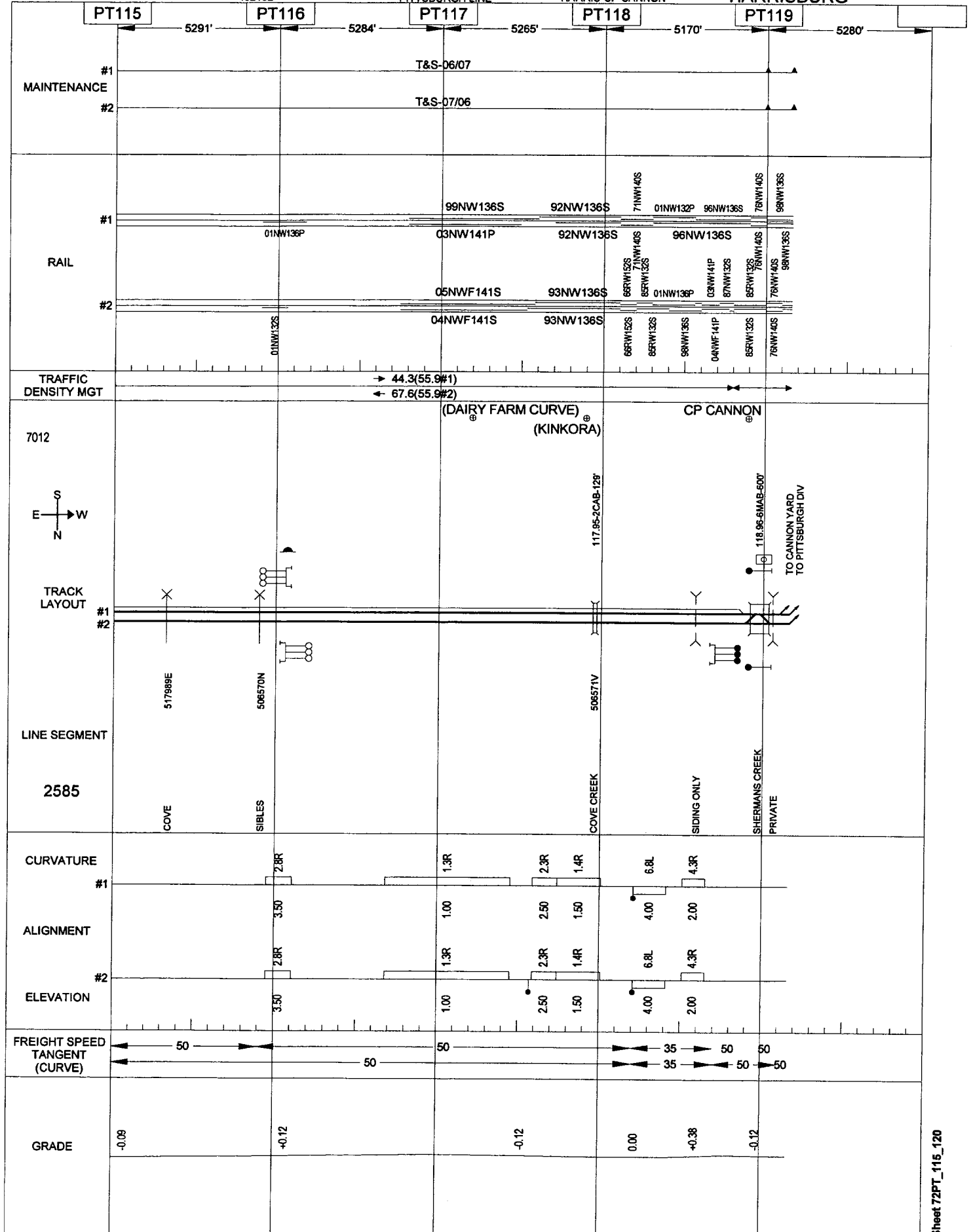
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026

PITTSBURGH LINE

HARRIS-CP CANNON

HARRISBURG



07/25/2007

100352

027

HARRISBURG LINE

CP CUMRU-BIRDSBORO

HARRISBURG

GV12

GV13

GV14

GV15

928'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-05/02

RAIL

82RW131S

91NW132S

82RW131S

02NW141S

82RW131S

82RW131S

91NW132S

82RW131S

02NW141S

01RW132S

82RW131S

TRAFFIC  
DENSITY MGT

→ 5.6(9.5)

← 3.9

8130

CP CUMRU

(GIBRALTAR) ⊕  
EX52TRACK  
LAYOUT

011.83

012.15-7MSO-574'(89)  
012.21-2DGO-72'(89)

012.48

012.48

012.50

013.02-1CSB-21'

014.43-3CAB-71'

014.90-1CSB-18'

LINE SEGMENT

2324

GV-11.70-AE-11.70

POPLAR NECK RD

SCHUYLKILL RIVER  
SCHUYLKILL RIVER R

LR 1011

FARM RDG IND

PRIVATE

FARM ROAD

RTE 724

SEYFERT DR  
591886V

LITTLE ALLEGHENY C

SEIDEL CRK

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

30

GRADE

0.00

-0.24

-0.30

07/25/2007

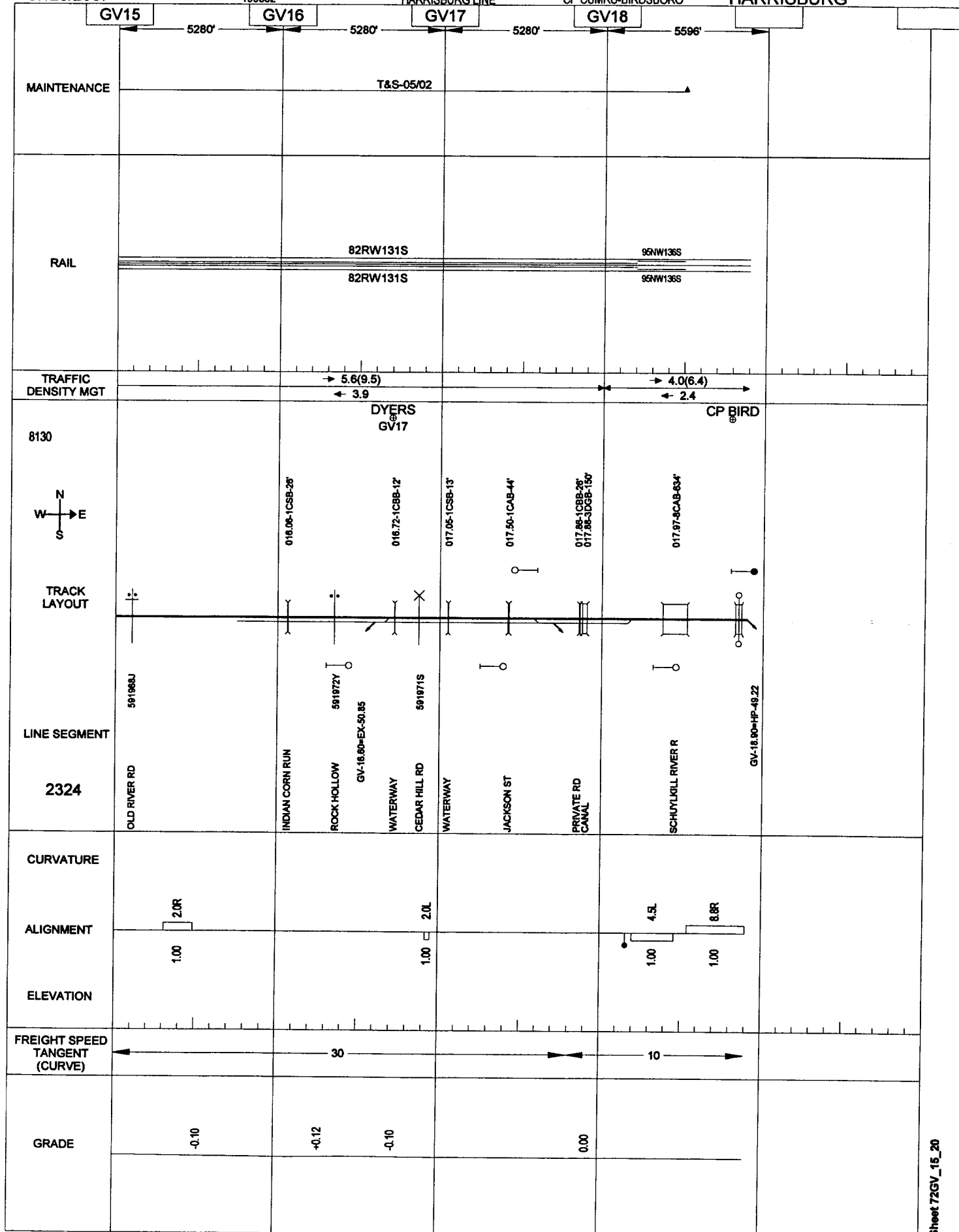
100352

028

HARRISBURG LINE

CP CUMRU-BIRDSBORO

HARRISBURG



06/15/2007

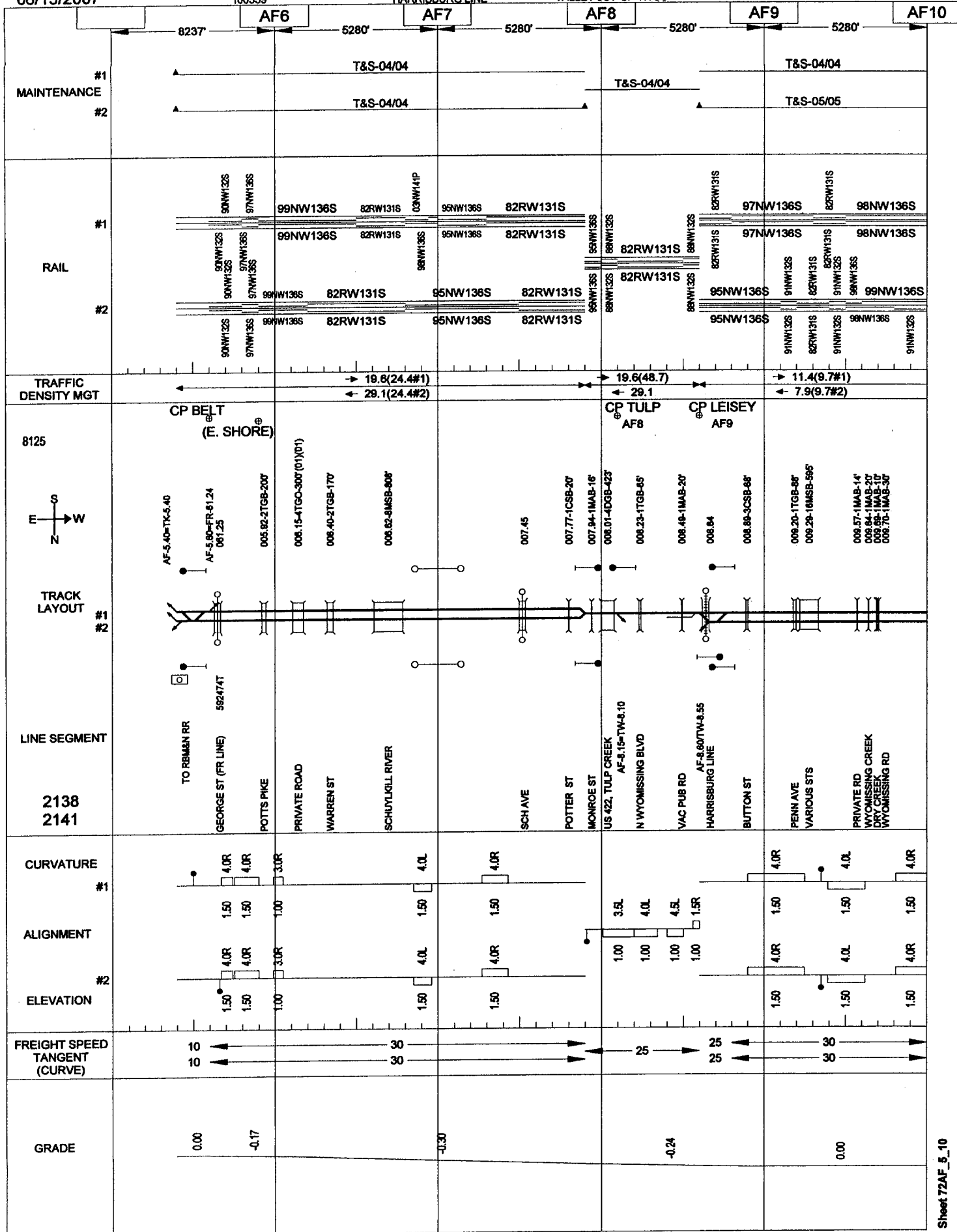
100339

029

HARRISBURG LINE

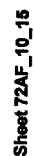
VALLEY JCT-CP TITUS

HARRISBURG





HARRISBURG



06/15/2007

100360

031  
READING LINE

CP TULP-WYOMISSING JCT

HARRISBURG

TW9

8560'

1536'

MAINTENANCE

T&S-04/04  
T&S-06/93  
S-08/01

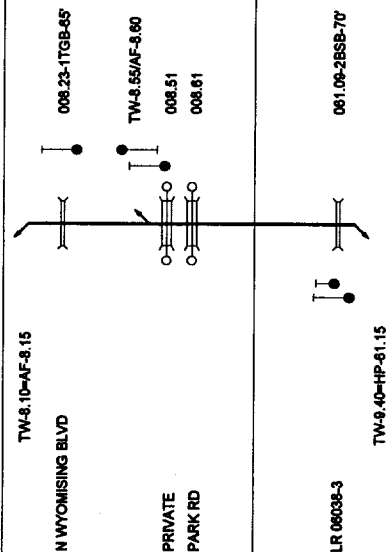
RAIL

06NW136P  
06NW136S  
97NW136S  
97NW136S  
06NW136P  
06NW136S  
97NW136STRAFFIC  
DENSITY MGT

27.5(67.9)

40.4

8125

TRACK  
LAYOUTCP TULP CP DUNKLE CP WYOMISSING JCT  
CP LEISEY

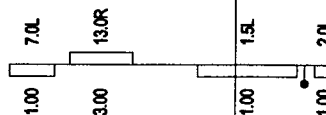
LINE SEGMENT

2150

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10 25

GRADE

0.00 -0.91

06/15/2007

100312

032  
READING LINE

CP BLANDON-ALLENTOWN

HARRISBURG

RV8

RV9

RV10

5280'

5280'

4780'

#1  
MAINTENANCE  
#2T&S-08/04  
S-03/06T&S-08/01  
S-03/04#1  
RAIL  
#2

85RW132S

85RW132S

06NW136S

06NW136S

82NW132S

82NW132S

48U140S

59U140S

TRAFFIC  
DENSITY MGT

→ 36.6(31.9#1)

← 27.1(31.9#2)

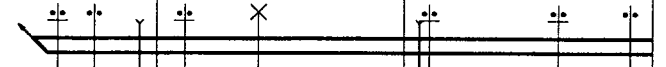
8109

N  
W → E  
STRACK  
LAYOUT#1  
#2CP BLANDON  
RV8

RV-7.50-TK-0.0

007.82-1CSB-11'

008.06-2CSB-26'



LINE SEGMENT

2144

592437R

592438X

592439E

592440Y

592441F

592442M

592443U

MAIN ST

WESNER RD

CREEK

GULDIN RD

STRAUSSERS

WILLOW CREEK  
HILL RD

KELLER RD

WALNUTTOWN RD

CURVATURE

#1

1.2R

1.00

1.5R

1.00

ALIGNMENT

#2

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

(30)

50

50

GRADE

-0.50

-0.50

0.00

06/15/2007

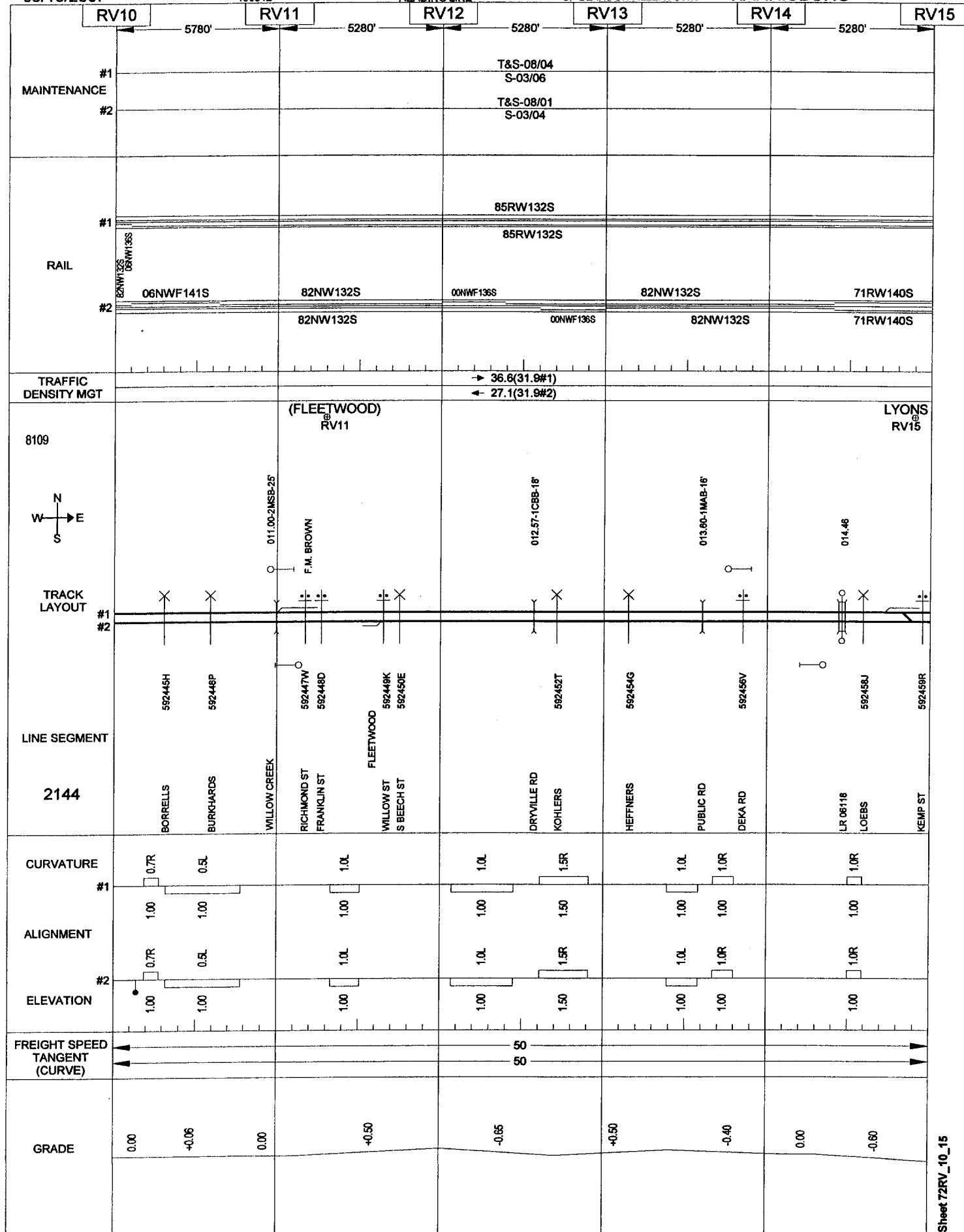
100312

033

READING LINE

CP BLANDON-ALLENTOWN

HARRISBURG



06/15/2007

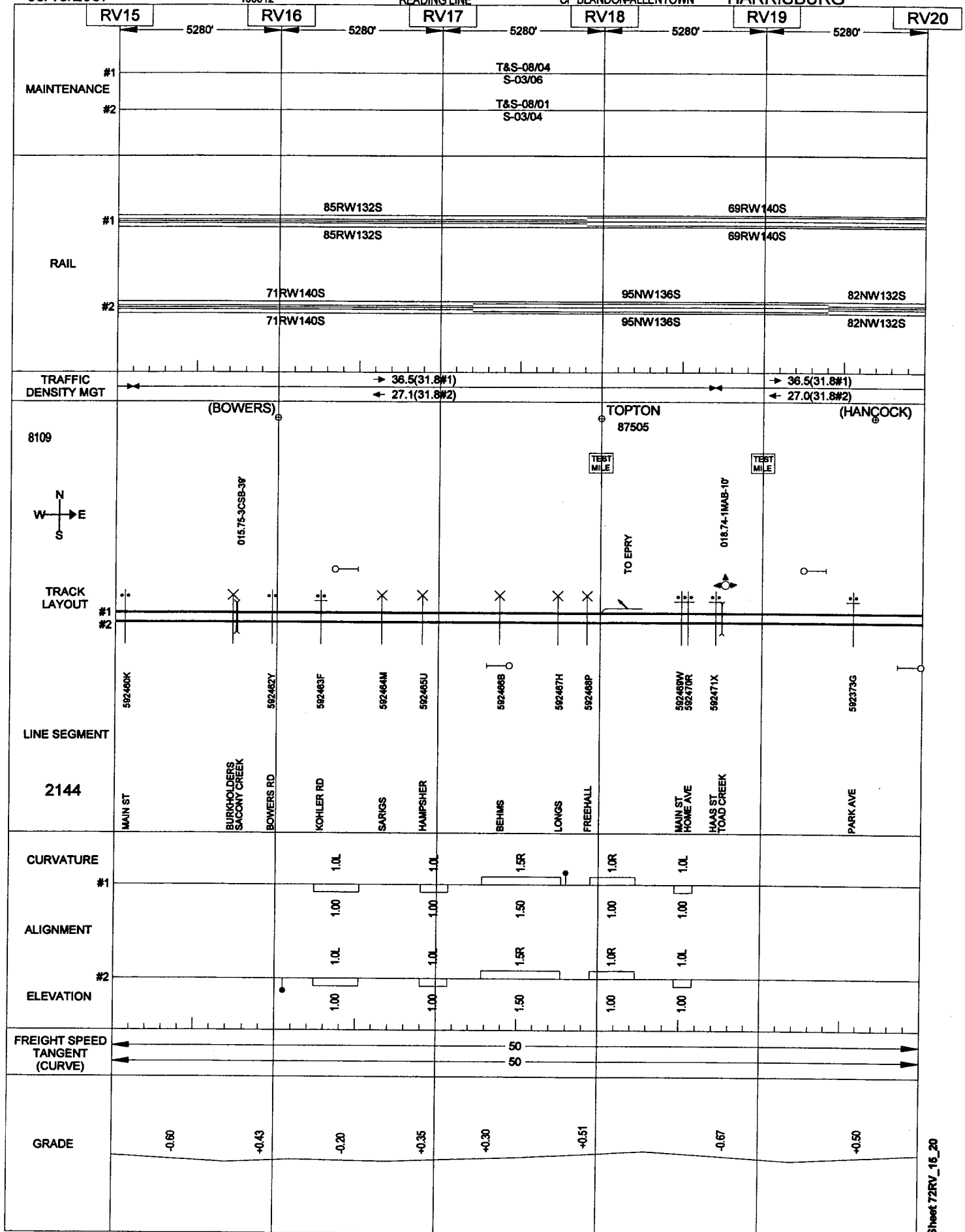
100312

034

READING LINE

CP BLANDON-ALLENTOWN

HARRISBURG



06/15/2007

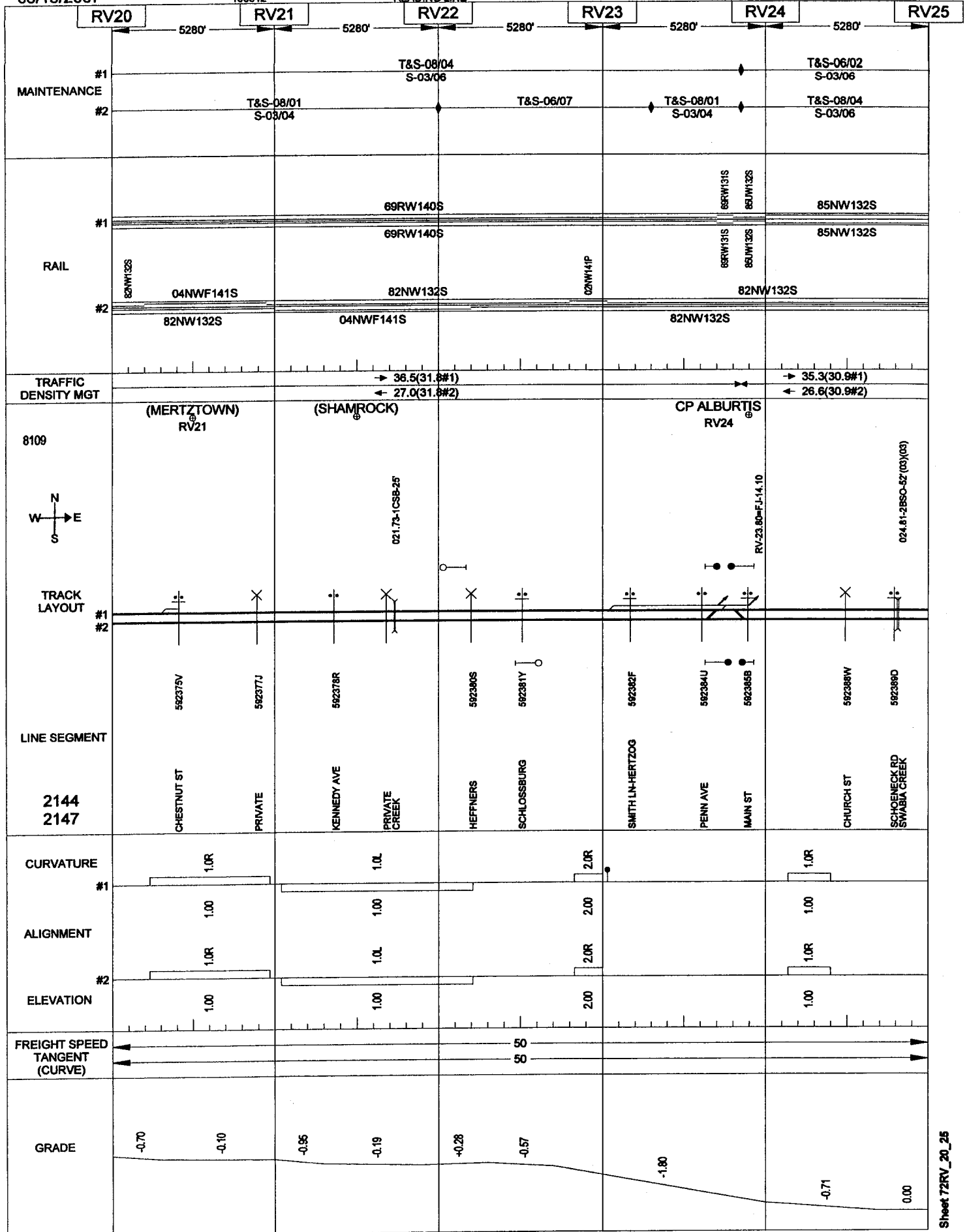
100312

035

READING LINE

CP BLANDON-ALLENTOWN

HARRISBURG



		RV25	RV26	RV27	RV28	RV29	RV30
MAINTENANCE				T&S-06/02 S-03/06			
				T&S-08/04 S-03/06			
RAIL				85NW132S			
				85NW132S			
		82NW132S		82NW132S			
		82NW132S		82NW132S			
TRAFFIC DENSITY MGT		→ 35.3(30.9#1) ← 26.6(30.9#2)		→ 35.4(31.0#1) ← 26.7(31.0#2)			
8109				(MACUNGIE) RV27			
N W → E S							
TRACK LAYOUT							
LINE SEGMENT							
2147							
CURVATURE		1.0L		1.0L		1.0L	
#1		1.00		1.00		1.00	
ALIGNMENT		1.0L		1.0L		1.0L	
#2		1.00		1.00		1.00	
ELEVATION		1.00		1.00		1.00	
FREIGHT SPEED TANGENT (CURVE)		50		50		50	
GRADE		0.00		-0.14		-0.09	

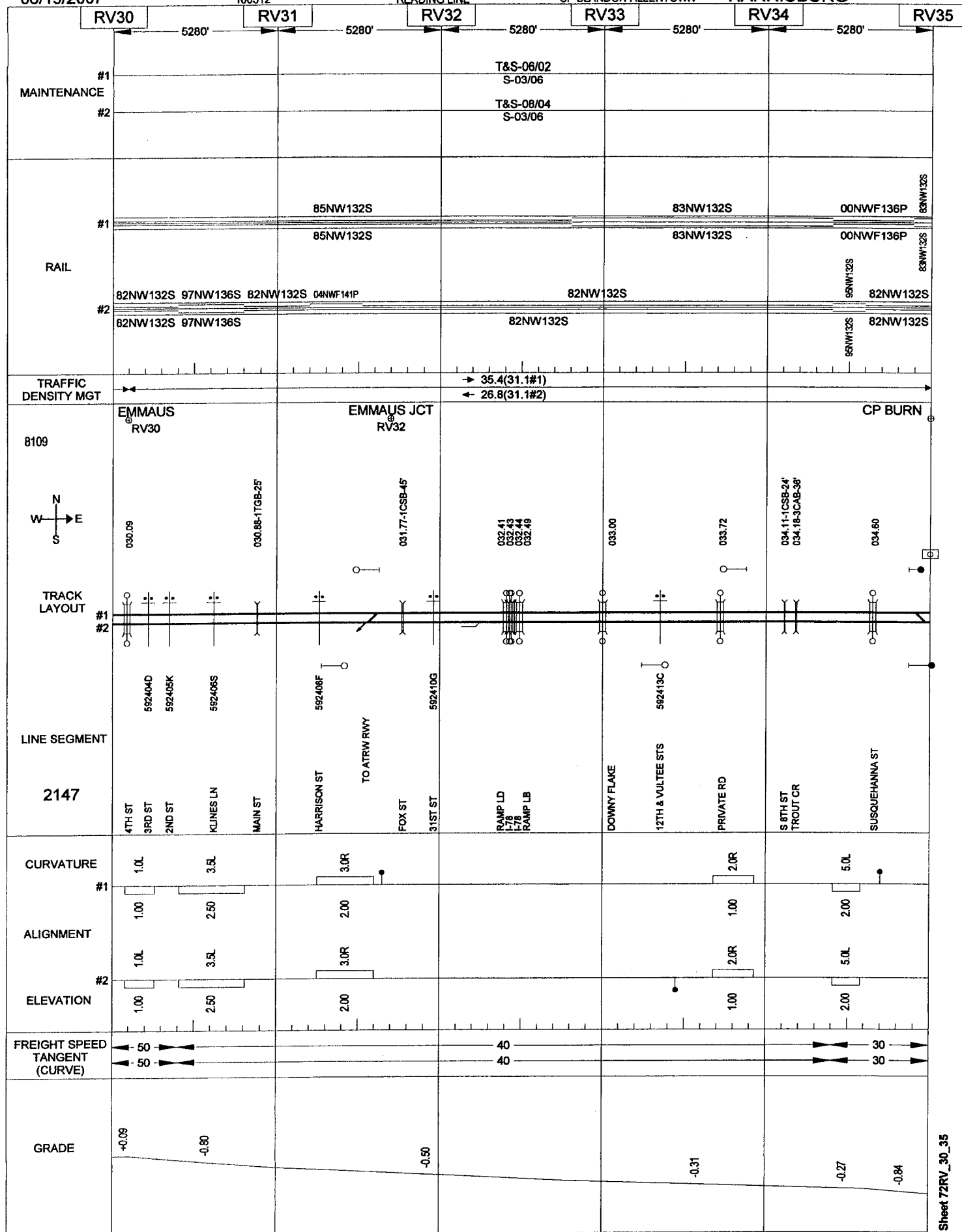
06/15/2007

100312

037  
READING LINE

CP BLANDON-ALLENTOWN

HARRISBURG





06/15/2007

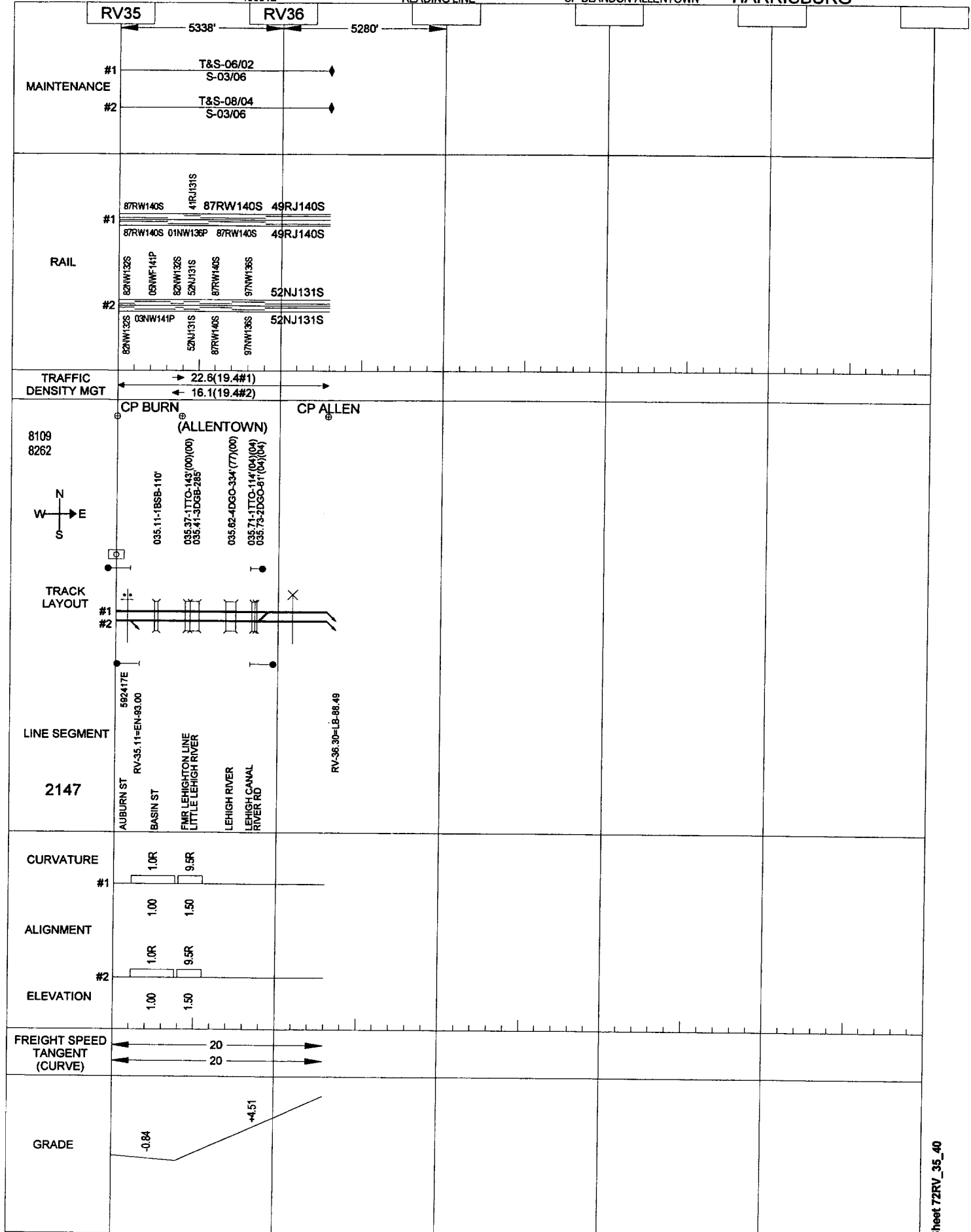
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038

READING LINE

CP BLANDON-ALLENTOWN

HARRISBURG



06/15/2007

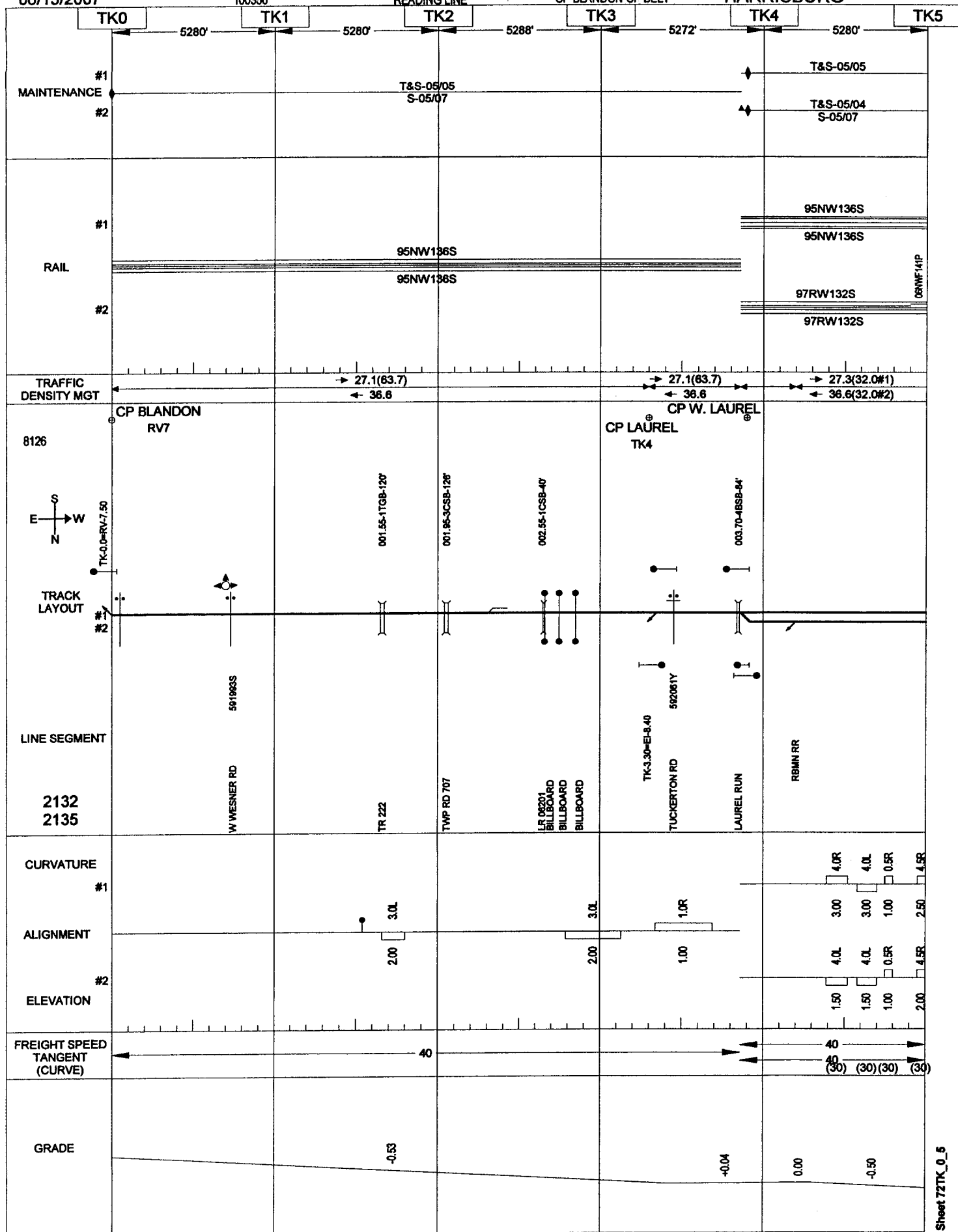
100356

039

READING LINE

CP BLANDON-CP BELT

HARRISBURG



06/15/2007

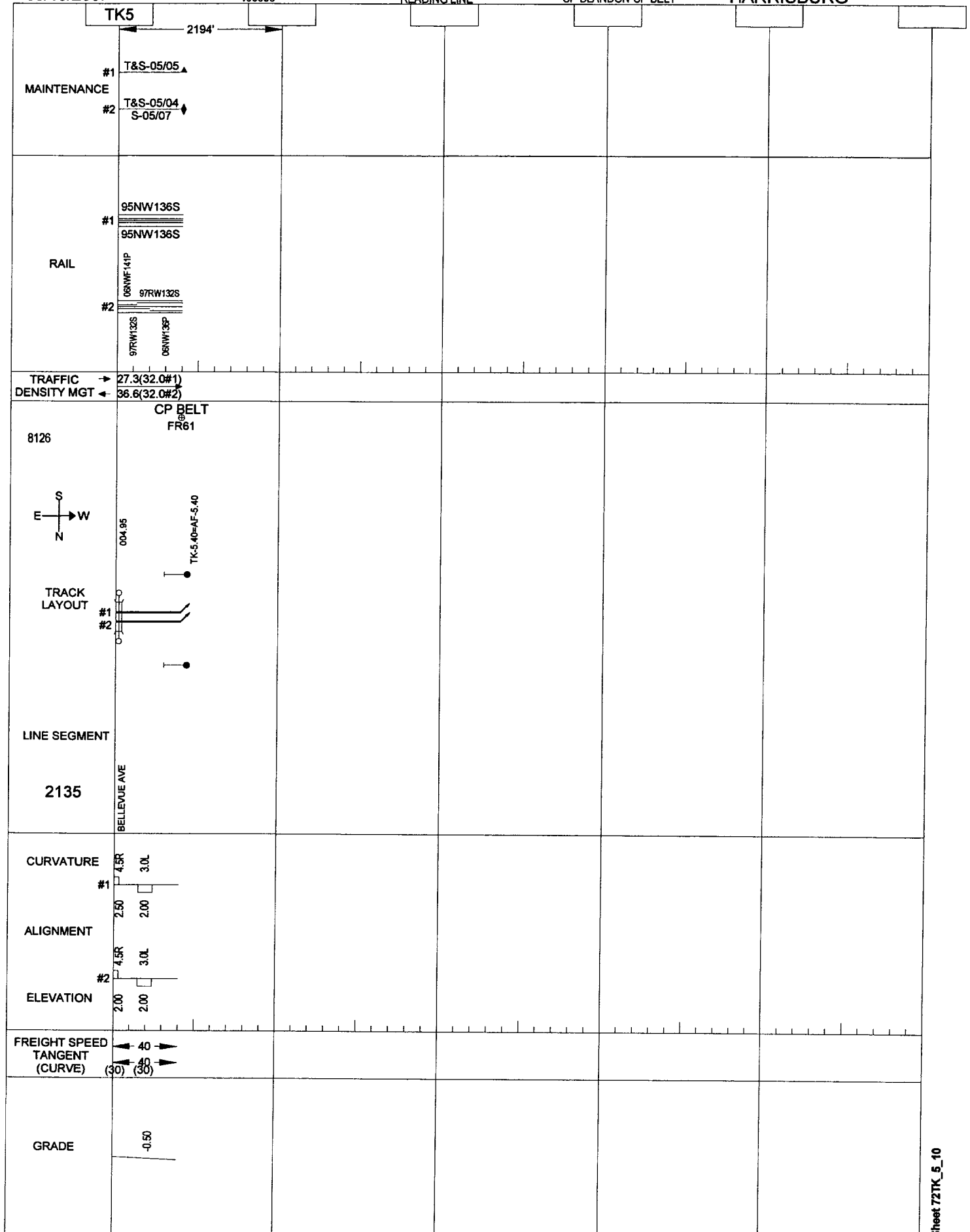
100356

040

READING LINE

CP BLANDON-CP BELT

HARRISBURG



07/25/2007

100342

041  
EVANSVILLE I.T.

LAUREL-EVANSVILLE

HARRISBURG

E19

E110

3168'

5280'

MAINTENANCE

T&amp;S-06/88

RAIL

75RW131S

75RW131S

TRAFFIC  
DENSITY MGT

0.0(0.0)

0.0

8126

TRACK  
LAYOUTCP LAUREL  
E19

EI-8.40-TK-3.30

008.80-2TGB-180'

008.07-1DGO-55'(01)

008.68-2CAB-50'  
008.75-1DGO-60'(80)

LINE SEGMENT

2465

LR 1035

E HULLER LN

PRIVATE

WILLOW CR  
LEESPORT AV  
SNYDER RD

CURVATURE

ALIGNMENT

ELEVATION

1.00 1.00

1.00 1.00

1.00 1.00

1.00 1.00

1.00 1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.44

0.00

07/25/2007

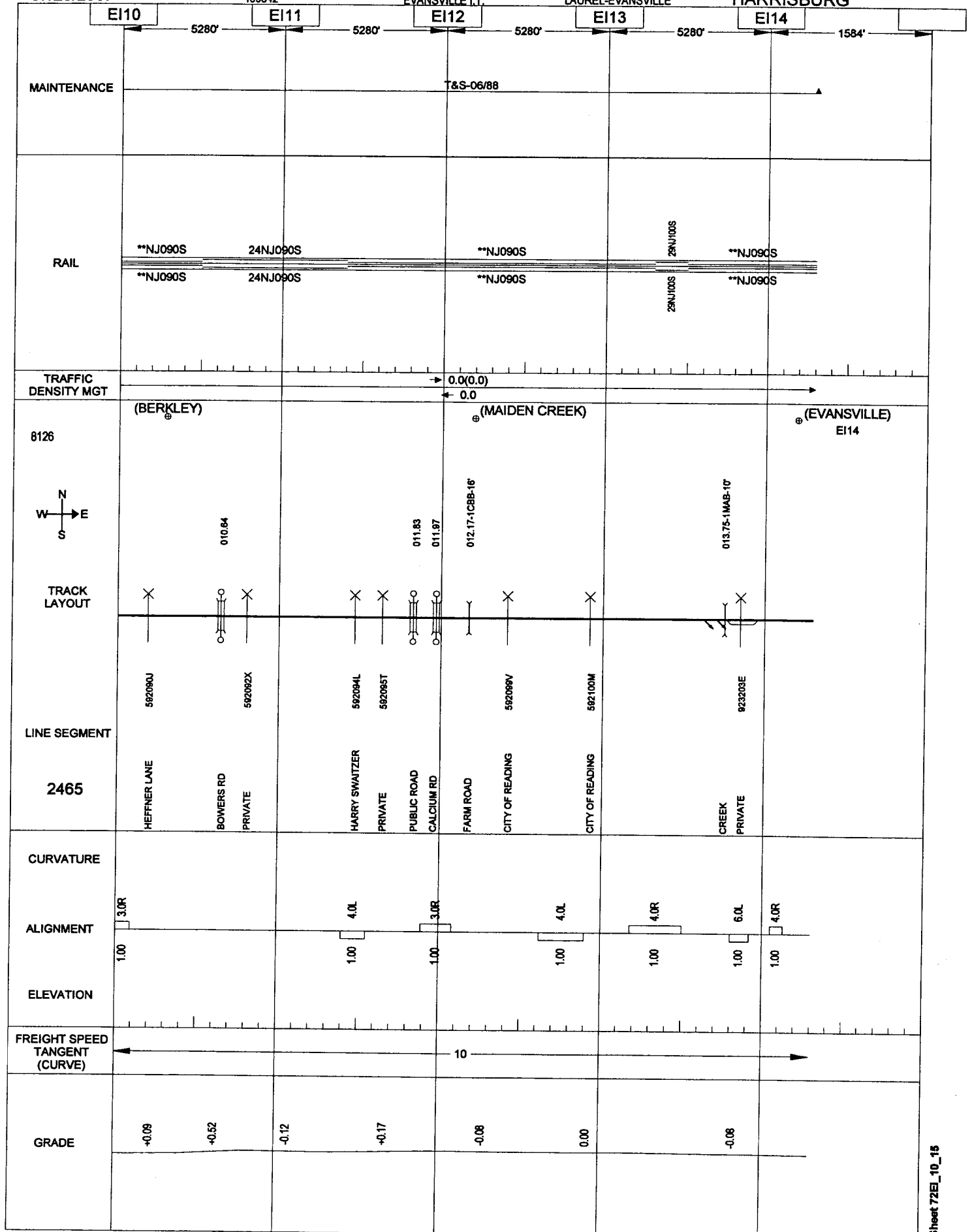
100342

042

EVANSVILLE I.T.

LAUREL-EVANSVILLE

HARRISBURG



07/25/2007

100304

043  
C&E SEC.

SEIPLE-ALBURTIS

HARRISBURG

FJ3

FJ4

FJ5

5280'

5280'

5280'

MAINTENANCE

T&amp;S-07/06

RAIL

23NJ100S

27NJ130S

23NJ100S

27NJ130S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)

← 0.0

8132

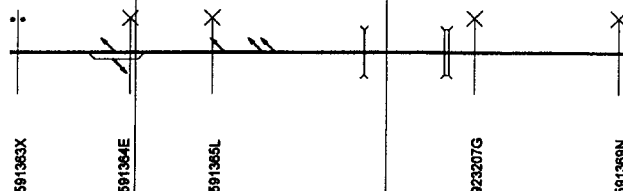
TRACK  
LAYOUT

END OF TRACK

SEIPLE  
FJ3

003.91-1BSB-20'

004.23-3CAB-89'



LINE SEGMENT

2159

MAUCH CHUNK RD

TROJAN

OLD ROAD

LR 39040

JORDAN CREEK  
PRIVATE

MAIN BLVD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE



07/25/2007

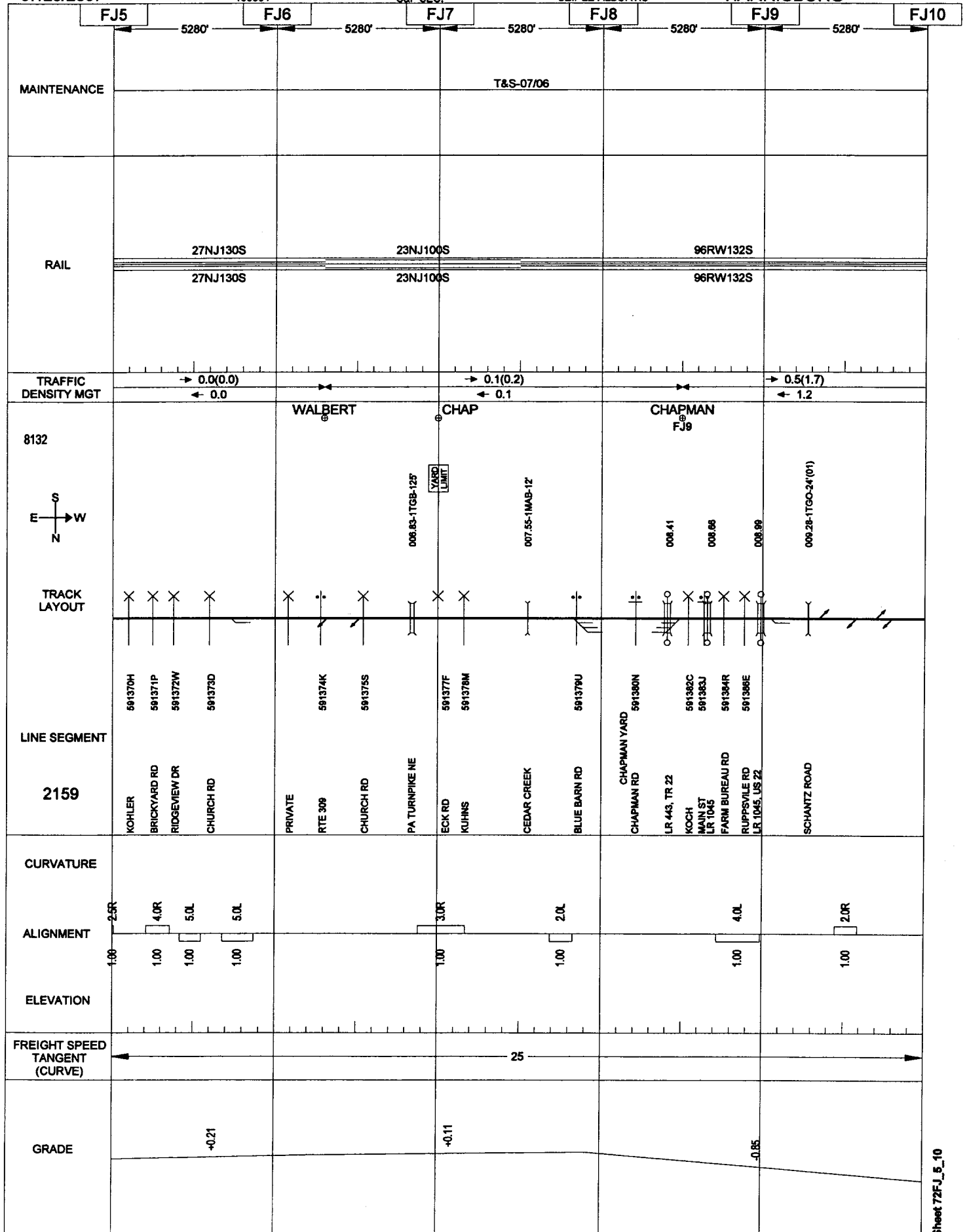
100304

044

C&amp;F SEC.

SEIPLE-ALBURTIS

HARRISBURG



07/25/2007

100304

045

C&amp;F SEC.

SEIPLE-ALBURTIS

HARRISBURG

FJ10

FJ11

FJ12

FJ13

FJ14

5280'

5280'

5280'

5280'

523'

MAINTENANCE

T&amp;S-07/06

RAIL

96RW132S

96RW132S

TRAFFIC  
DENSITY MGT→ 0.5(1.7)  
← 1.2

8132

TOWN  
(TREXLERTOWN)

CP ALBURTIS

TRACK  
LAYOUT

011.42-185B-30'

011.74

012.47-3CBB-55'

012.80-1CBB-20'

012.83-2CBB-48'

LINE SEGMENT

2159

RUPPSVILLE RD  
591391BKUNKLE  
591382HCETRONIA RD  
591383P

TR 222

PUBLIC ROAD

LICHENWALNER

591395D

591397S

591398Y

591399F

591400X

591401E

591402L

591403T

FJ-14.10-RV-23.80

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

-0.85

+0.07



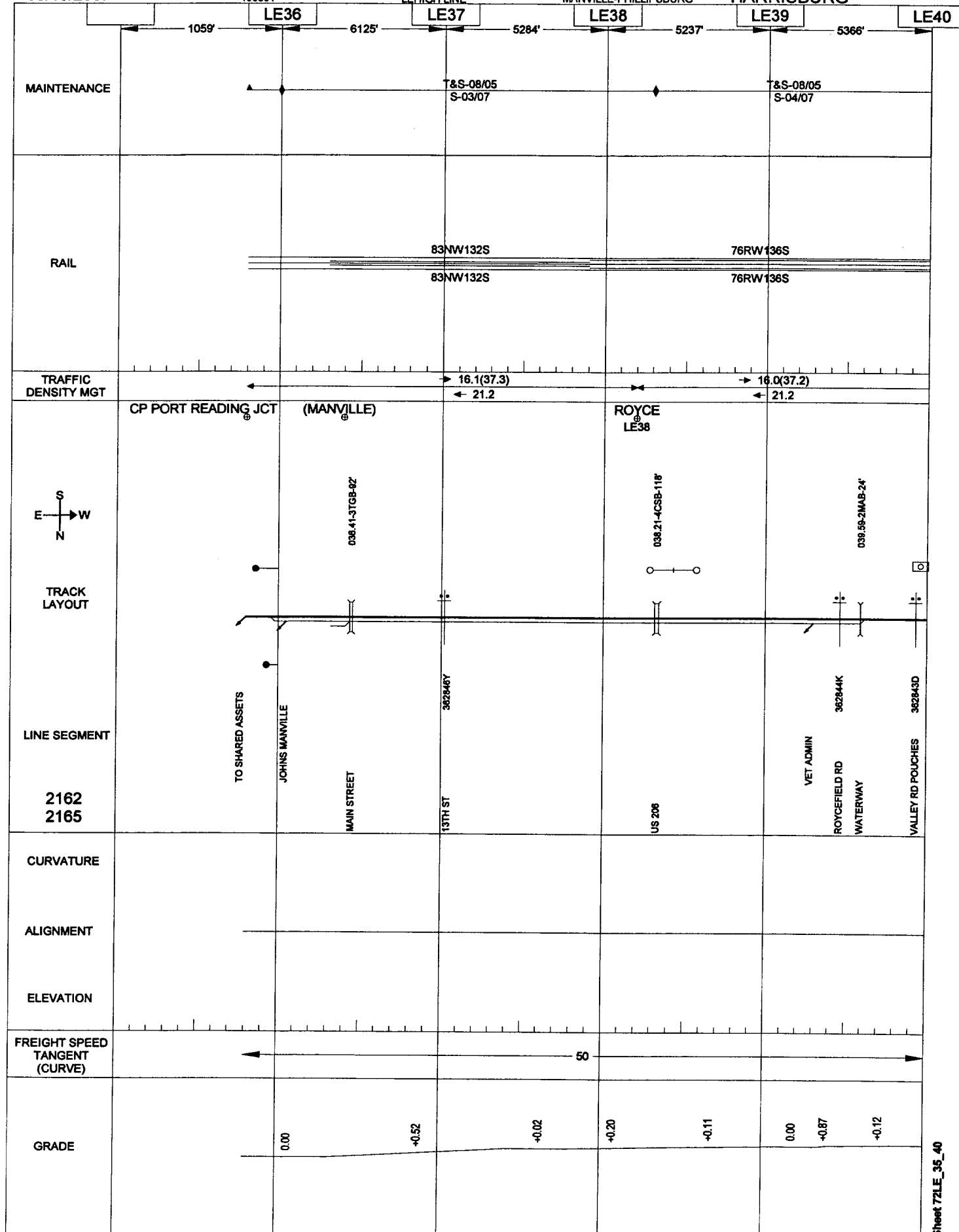
06/15/2007

046

LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG



06/15/2007

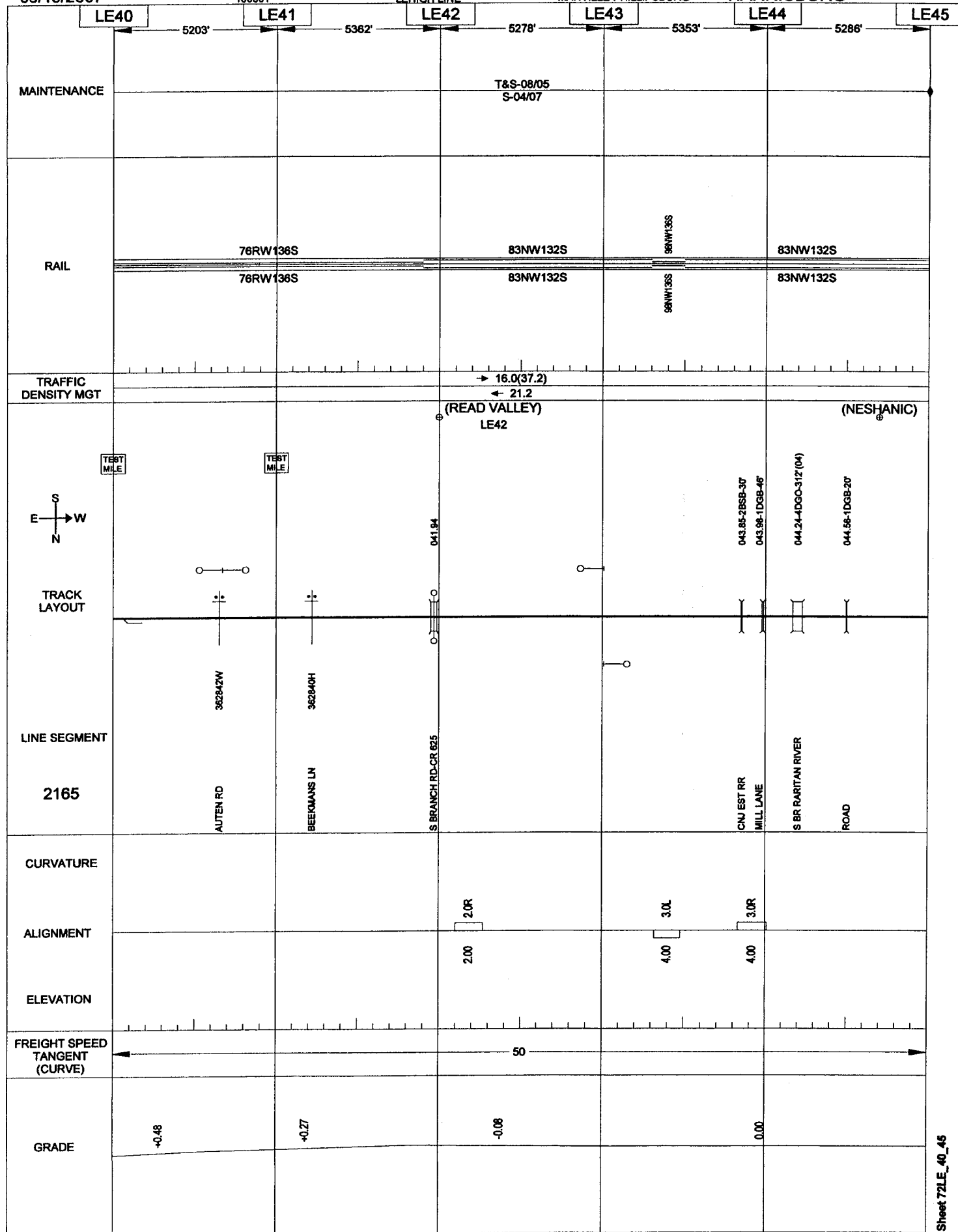
100501

047

LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG



06/15/2007

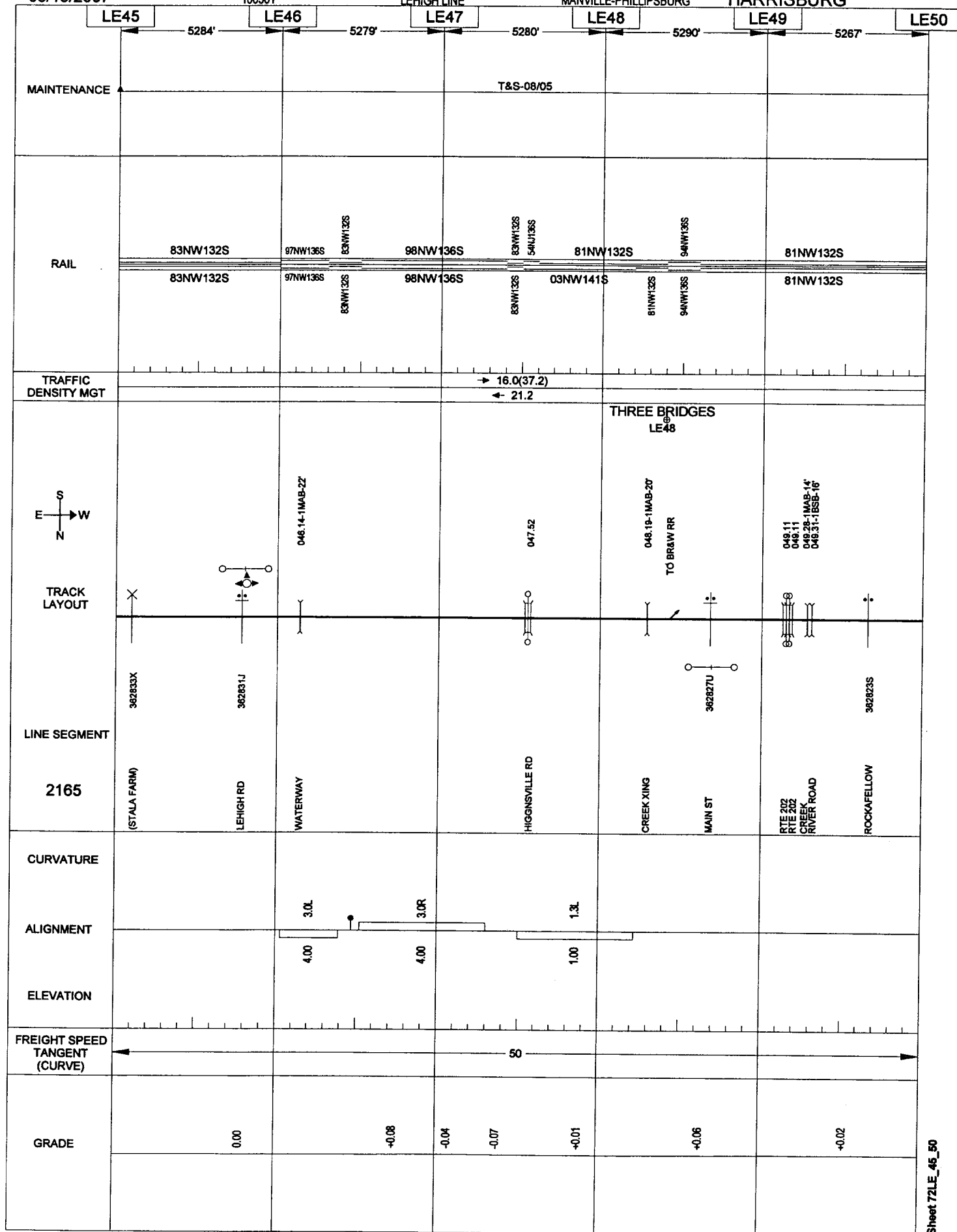
100501

048

LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG



06/15/2007

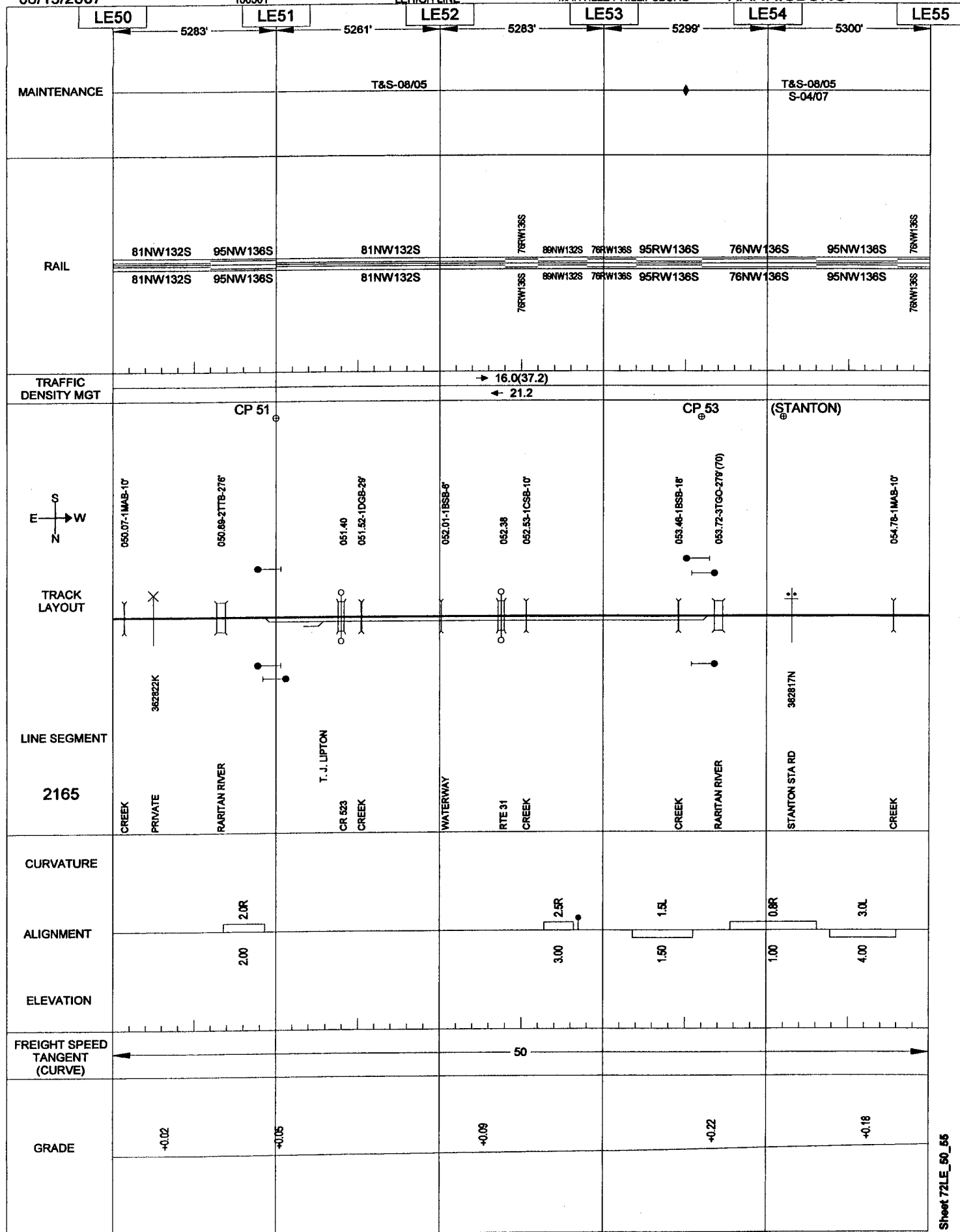
100501

049

LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG



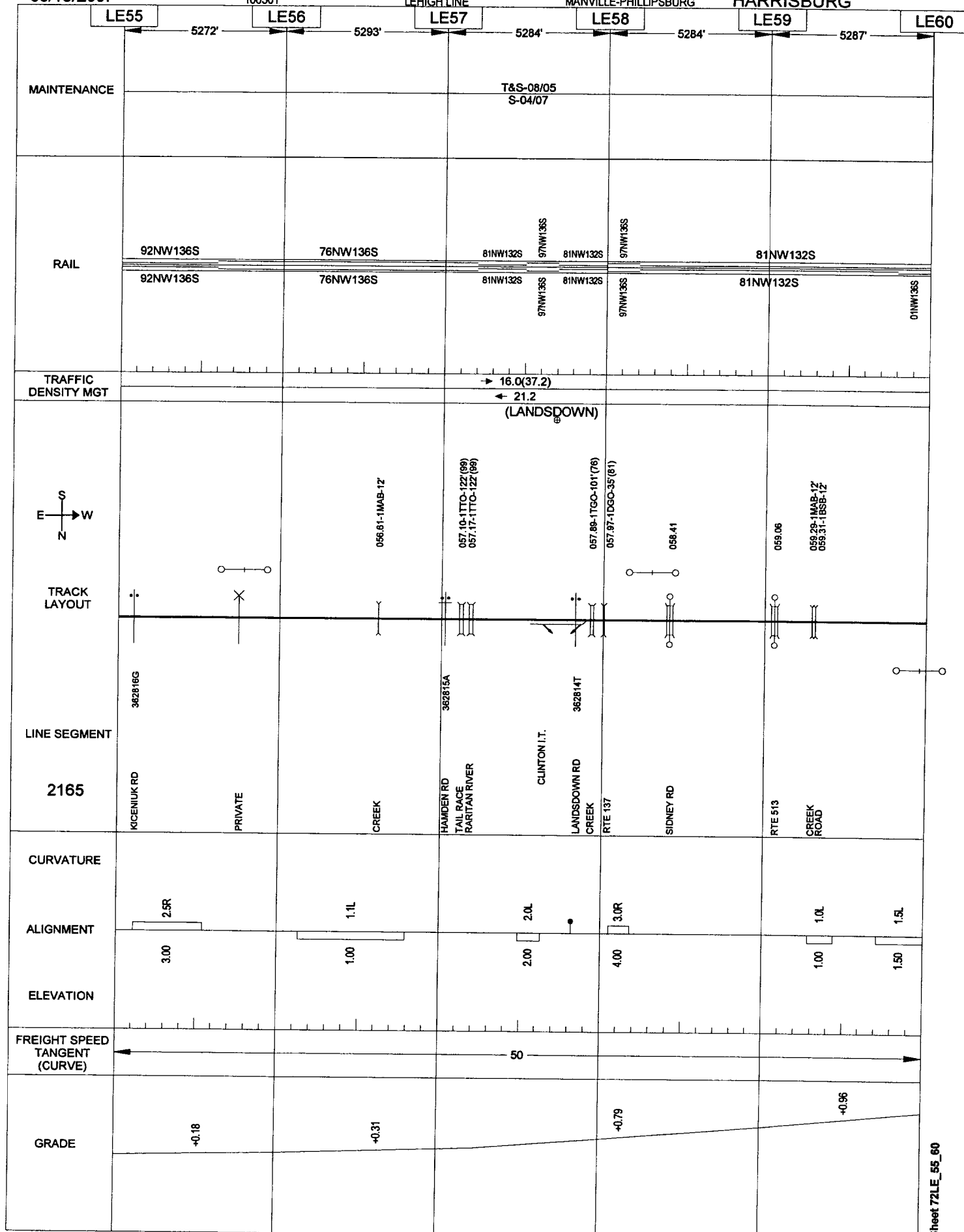
06/15/2007

100501

050  
LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG



06/15/2007

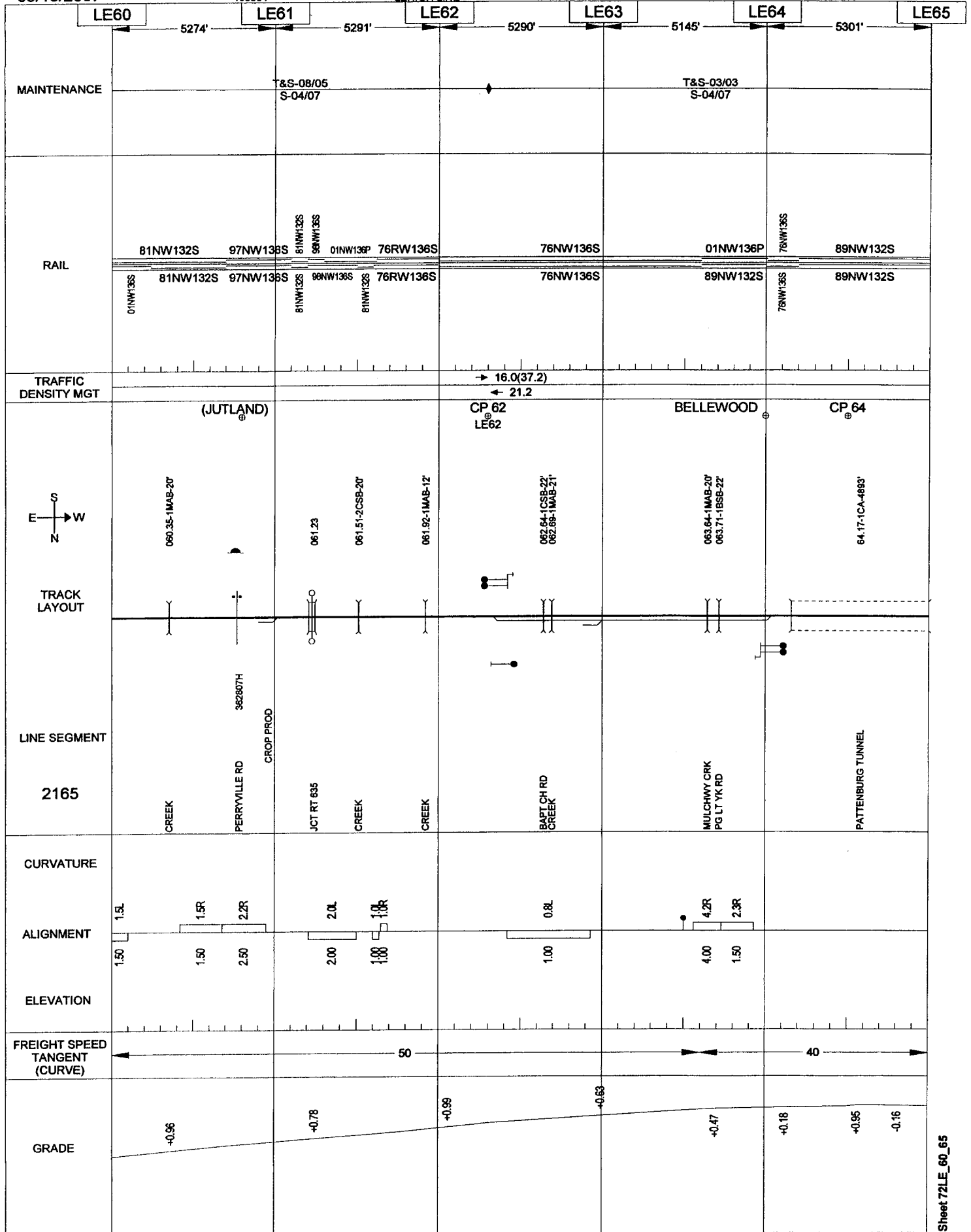
100501

051

LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG



06/15/2007

100501

052

LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG

LE65

LE66

LE67

LE68

LE69

LE70

5280'

5353'

5280'

5285'

5282'

MAINTENANCE

T&S-03/03  
S-04/07

RAIL

89NW132S

95NW136S

88RW140S

76NW136S

91NW132S

76NW136S

81NW132S

96NW136S

89NW132S

95NW136S

88RW140S

76NW136S

91NW132S

76NW136S

81NW132S

96NW141P

TRAFFIC  
DENSITY MGT

→ 16.0(37.2)  
← 21.2



TRACK  
LAYOUT

065.68-1BSB-24'

066.28-1MAB-17'

066.50  
066.55

CP 67  
LE66

(BLOOMSBURY)  
LE69

066.53

066.99

LINE SEGMENT

2165

CREEK

TURKEY HILL RD

WB 1.78.22  
EB 1.78.22

PRIVATE

CHURCH ST

AGWAY

MILLFORD RD

CURVATURE

ALIGNMENT

5.0R  
4.00  
2.50  
4.00  
5.0R

5.0L

2.0L

0.5L

5.0R

ELEVATION

4.00

4.00

4.00

1.00

4.00

FREIGHT SPEED  
TANGENT  
(CURVE)

40

50

40

GRADE

-0.16

-0.43

-0.38

-0.12

-0.90

Sheet 72LE\_65\_70

06/15/2007

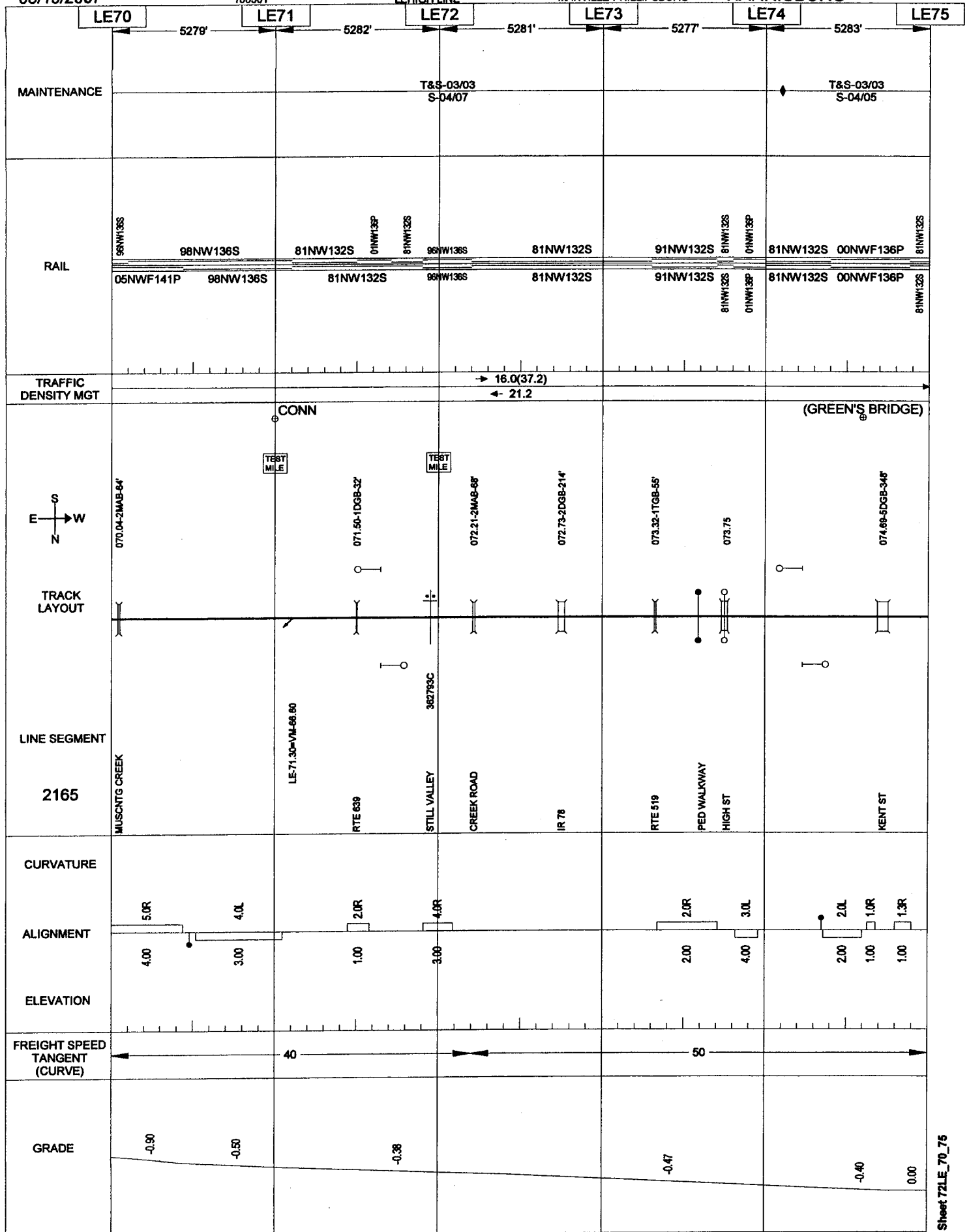
100501

053

LEHIGH LINE

MANVILLE-PHILLIPSBURG

HARRISBURG







06/15/2007

100501

055

LEHIGH LINE

EASTON-BETHLEHEM

HARRISBURG

LE80

LE81

LE82

LE83

LE84

LE85

5281'

5267'

5287'

5274'

5214'

#2  
MAINTENANCE  
#1

T&S-05/03  
S-04/07  
T&S-05/07

RAIL

#2

#1

76NW140S

01NW136P

76NW140S

96NW136S 98NW136S

91NW132S 76RW136S 96NW136S

76NW140S

01NW136P

76NW140S

96NW136S 98NW136S

91NW132S 76RW136S 96NW136S

76NW140S

76NW140S

01NW136P

76NW140S

96NW136S 98NW136S

91NW132S 76RW136S 96NW136S

TRAFFIC  
DENSITY MGT

16.8(20.5#2)  
24.1(20.5#1)

16.9(20.5#2)  
24.2(20.5#1)

8207

(RICHARDS)

CP RICHARDS

LE81



TRACK  
LAYOUT

#2

#1

LINE SEGMENT

2171

CURVATURE

#2

ALIGNMENT

#1

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

2.0R

3.5L

3.5R

2.5R

0.8R

1.0L

0.8R

4.3L

2.3R

4.0L

3.8R

2.5L

3.2

1.00

2.50

2.50

1.50

1.00

1.00

1.00

3.50

1.50

3.00

3.00

1.50

2.50

2.0R

3.5L

3.5R

2.5R

0.8R

1.0L

0.8R

4.3L

2.3R

4.0L

3.8R

2.5L

3.2

1.00

2.50

2.50

1.50

1.00

1.00

1.00

3.50

1.50

3.00

3.00

1.50

2.50

40

40

0.00

-0.02

+0.05

+0.18

-0.14

0.00

+0.21

+0.18

06/15/2007

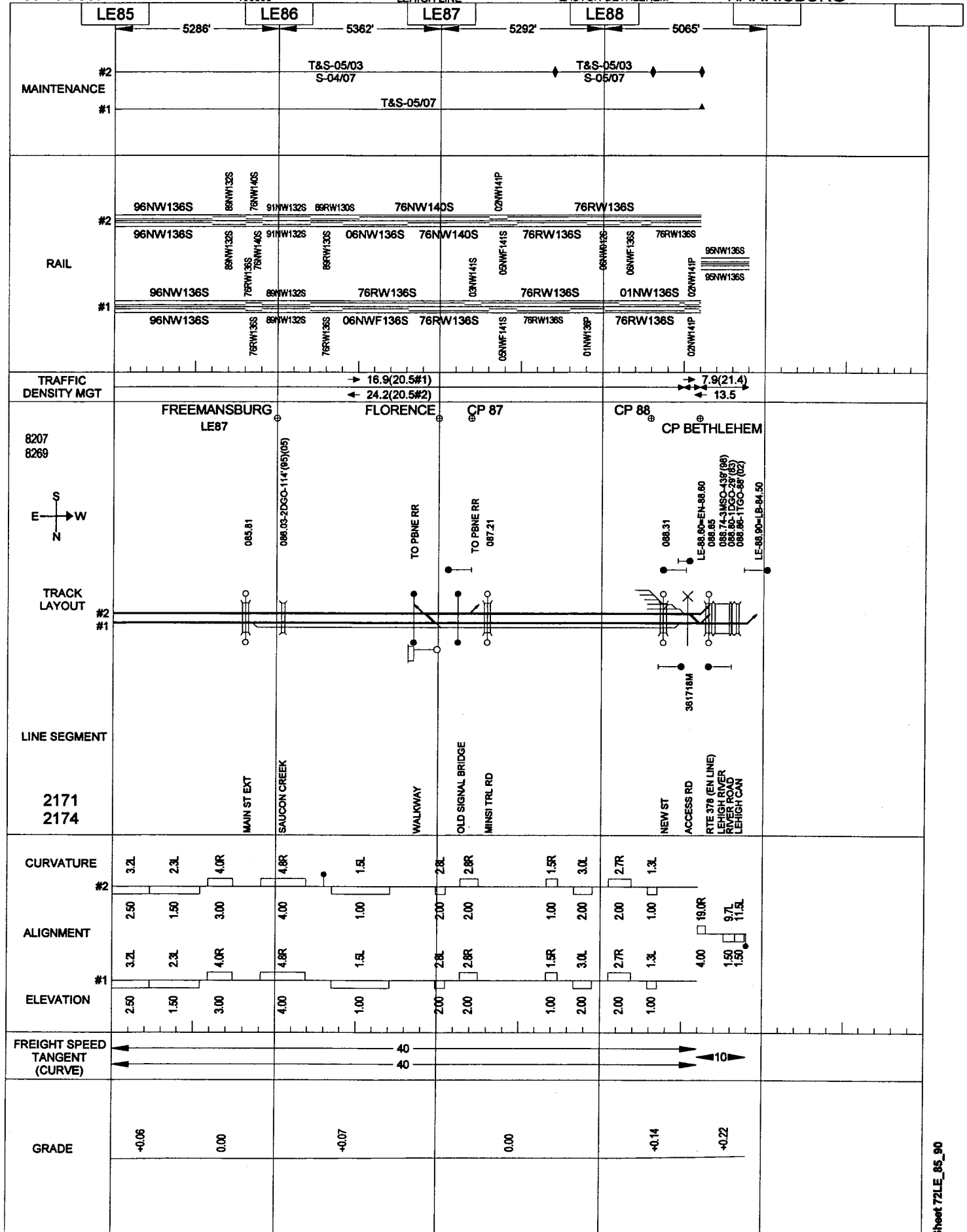
100593

056

LEHIGH LINE

EASTON-BETHLEHEM

HARRISBURG



07/25/2007

100501

057

READING LINE

BETHLEHEM-EAST PENN JCT

HARRISBURG

EN89

EN90

5280'

5207'

#2  
MAINTENANCE  
#1

T&S-06/87  
S-06/94  
T&S-05/03  
S-05/05

T&S-05/03  
S-05/05

#2  
RAIL  
#1

76RW136S  
76RW136S  
76RW136S  
76RW136S

82RW136S  
82RW136S

99RW136S  
99RW136S

TRAFFIC  
DENSITY MGT

10.0(22.0)  
12.0

8207

CP BETHLEHEM

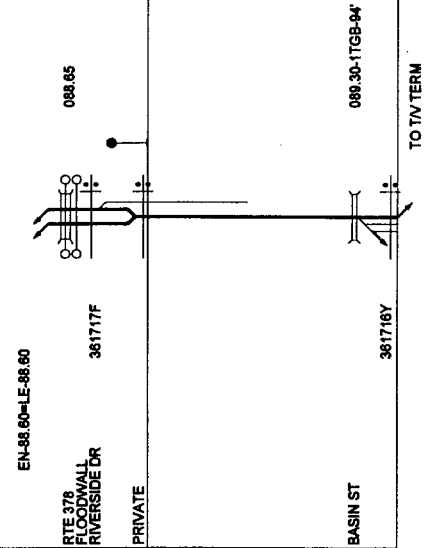
S  
E → W  
N

TRACK  
LAYOUT

#2  
#1

LINE SEGMENT

2153



CURVATURE

#2

ALIGNMENT

ELEVATION

#1

0.5L  
1.00  
0.5L  
1.00  
0.5L  
1.00  
0.5L  
1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

30  
30  
30

GRADE

0.00  
+0.15

07/25/2007

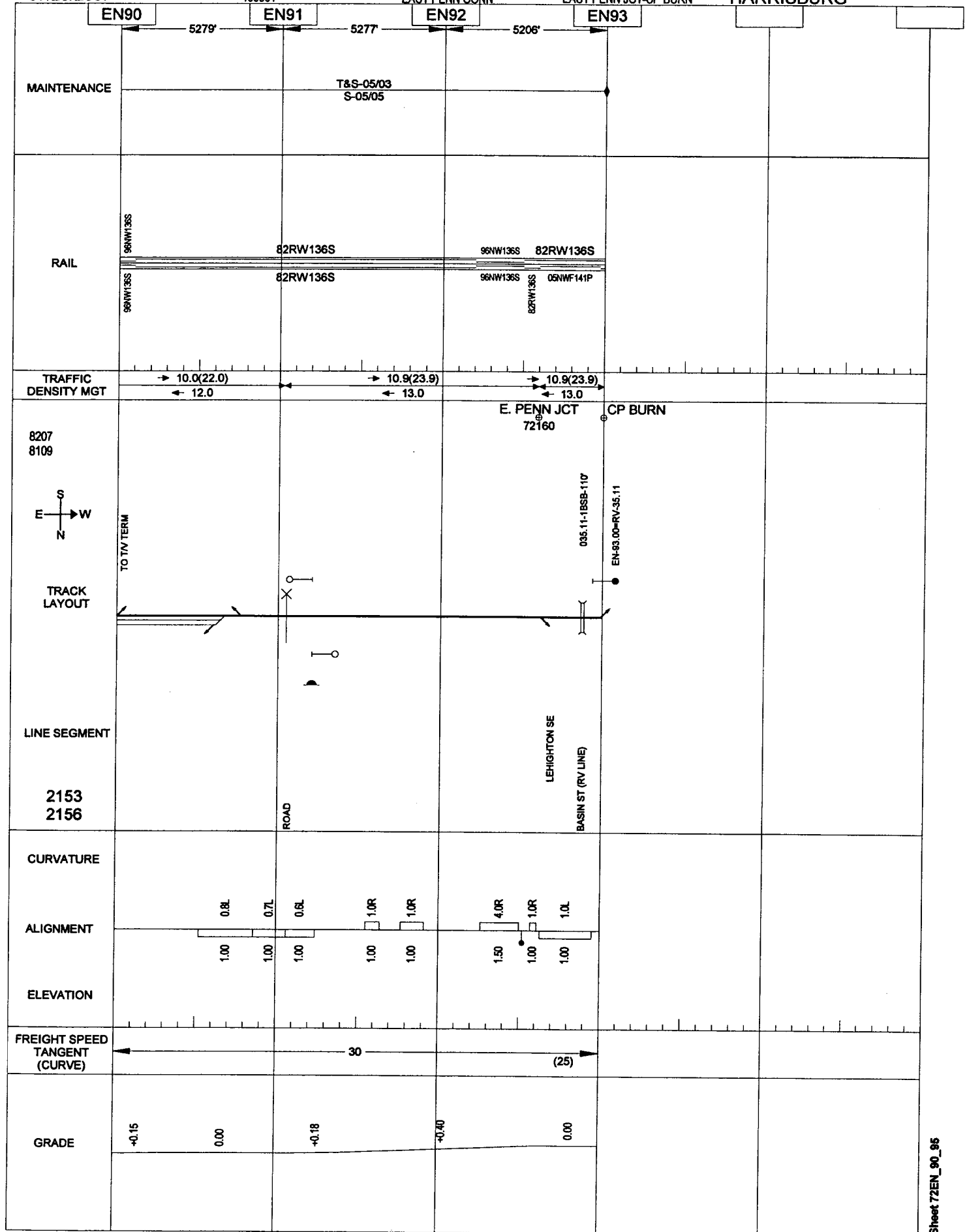
100501

058

EAST PENN CONN

EAST PENN JCT-CP BURN

HARRISBURG



07/25/2007

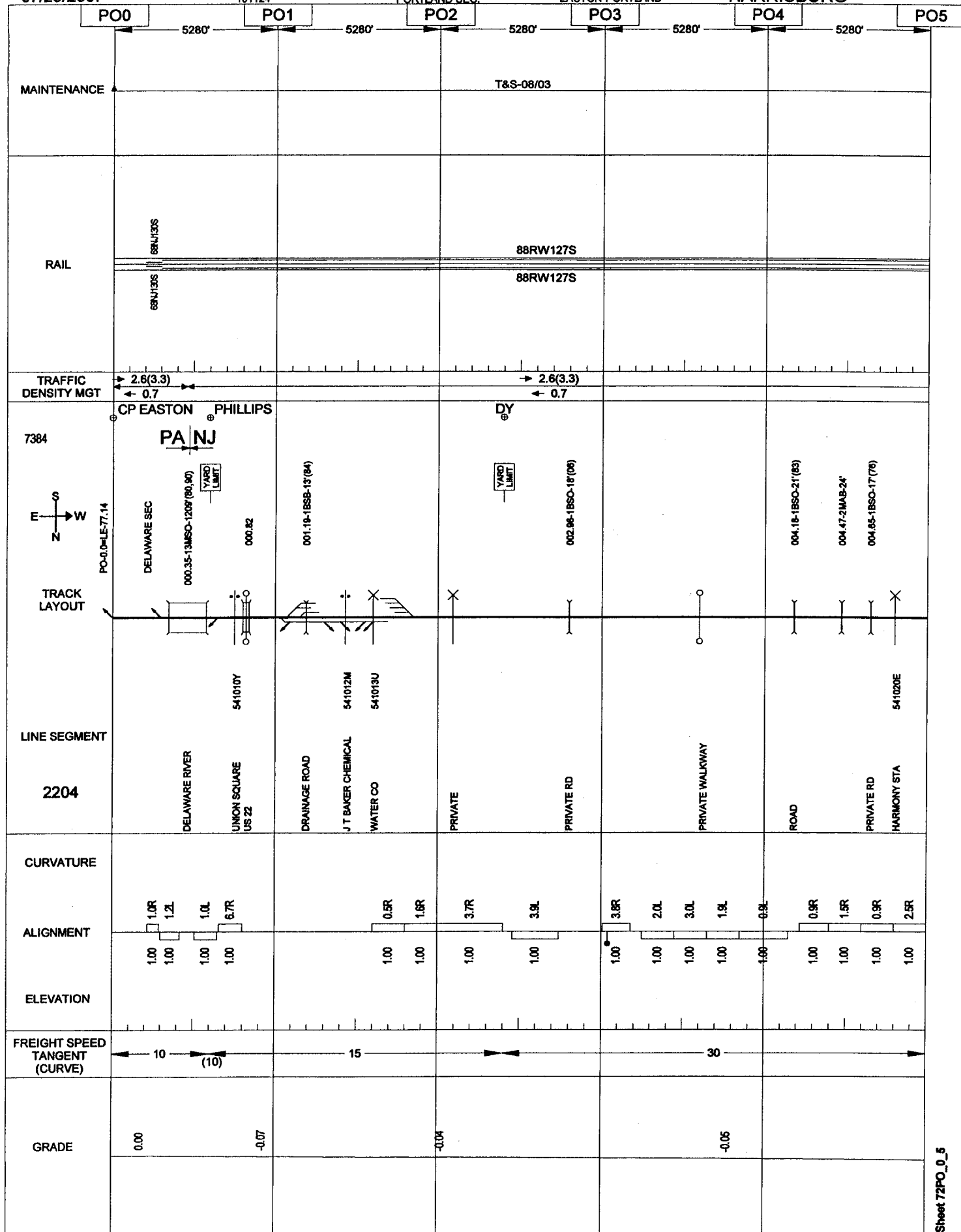
101124

059

PORTLAND SEC.

EASTON-PORTLAND

HARRISBURG



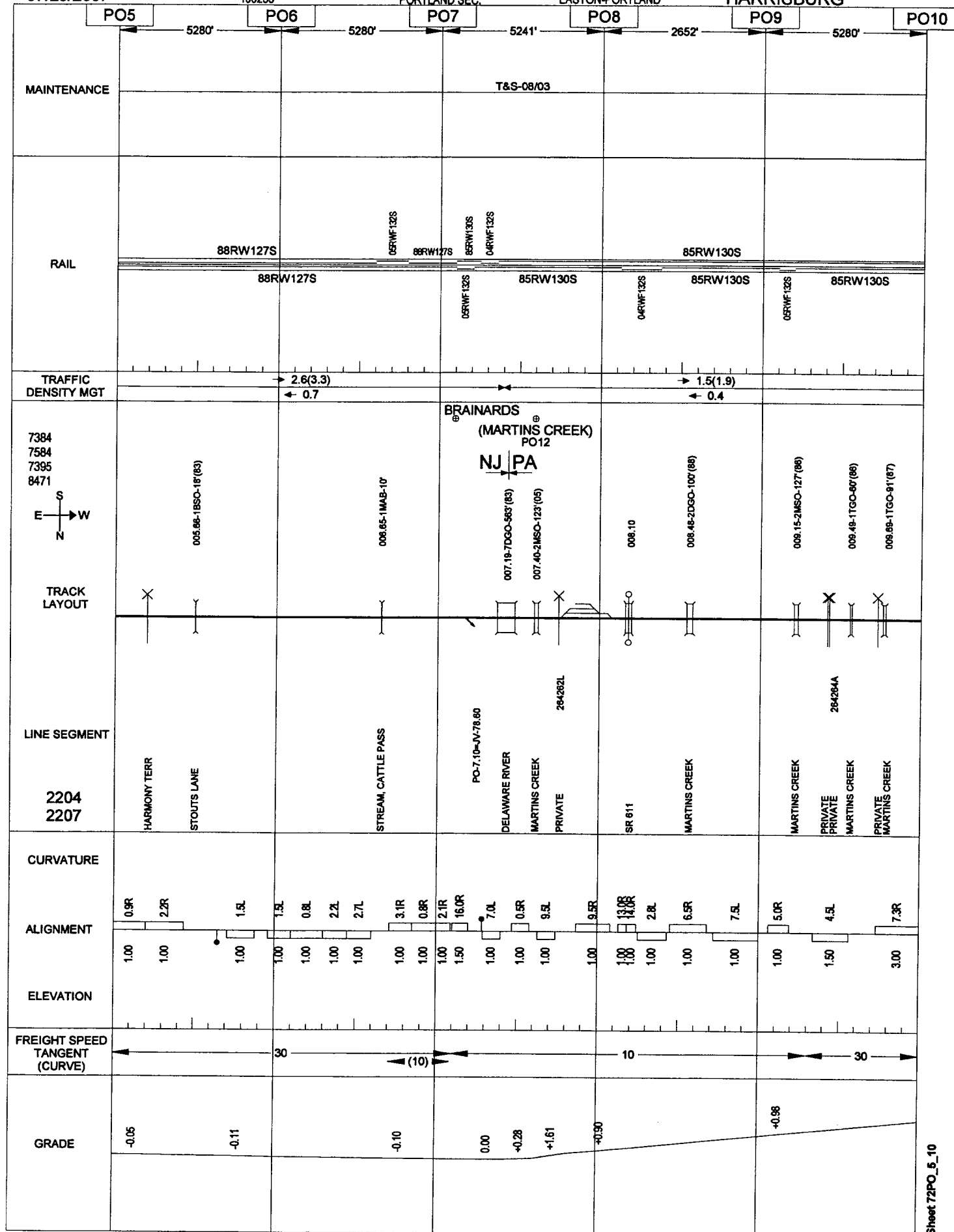
07/25/2007

106255

060  
PORTLAND SEC.

EASTON-PORTLAND

HARRISBURG







07/25/2007

106243

062

PORTLAND SEC.

EASTON-PORTLAND

HARRISBURG

PO15

PO16

PO17

PO18

PO19

PO20

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-08/03

RAIL

88RW130S

88RW130S

TRAFFIC  
DENSITY MGT→ 1.4(1.8)  
← 0.4

8471

(E. BANGOR)

STIER  
PO18

(MT BETHEL)

W  
S → N  
E

016.63-2CMB-4'

TRACK  
LAYOUT

X

+/-

Y

X

+/-

X

X

X

LINE SEGMENT

266236S

266237K

266234P

266233H

266232B

266231U

2210

BROAD ST

WATERWAY

PRIVATE

STIER

LOHMANS

HESS XING

TAYLORS

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

30

10

GRADE

-0.99

0.00

+0.01

0.00

-0.32

-0.72

-1.99

-0.42

Sheet 72PO\_15\_20

07/25/2007

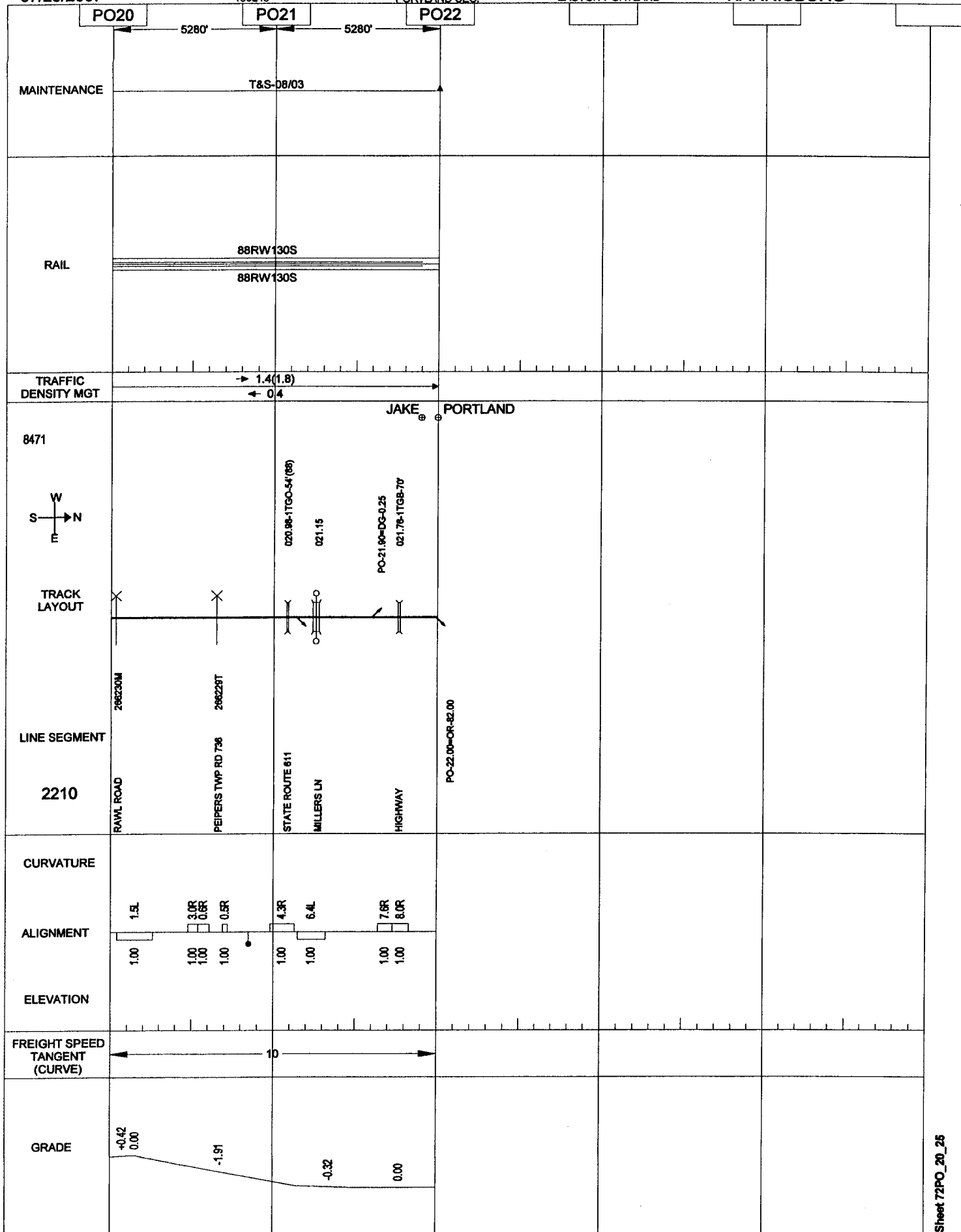
106243

063

PORTLAND SEC.

EASTON-PORTLAND

HARRISBURG



07/25/2007

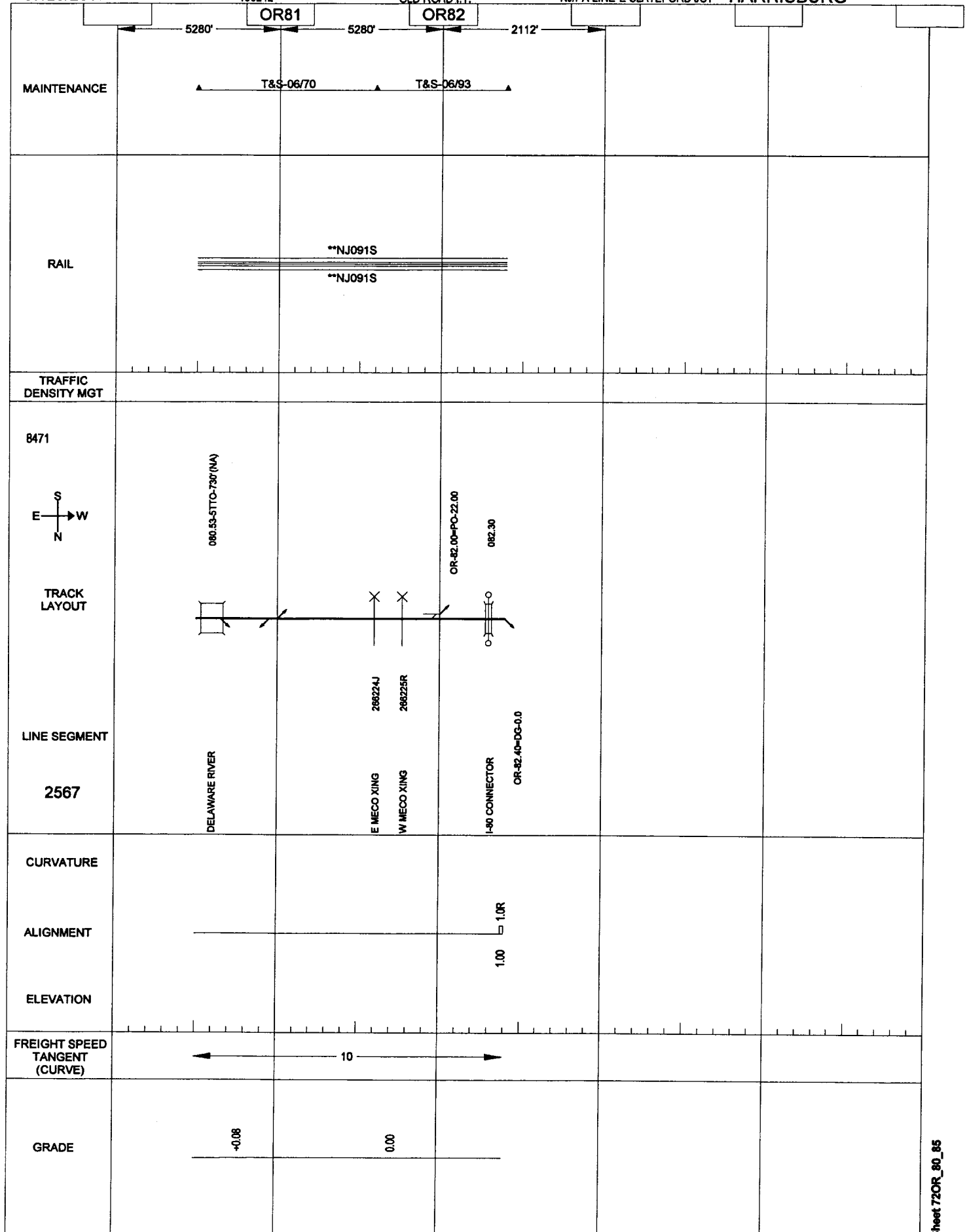
106242

064

OLD ROAD I.T.

NJ/PA LINE-E SLATEFORD JCT

HARRISBURG



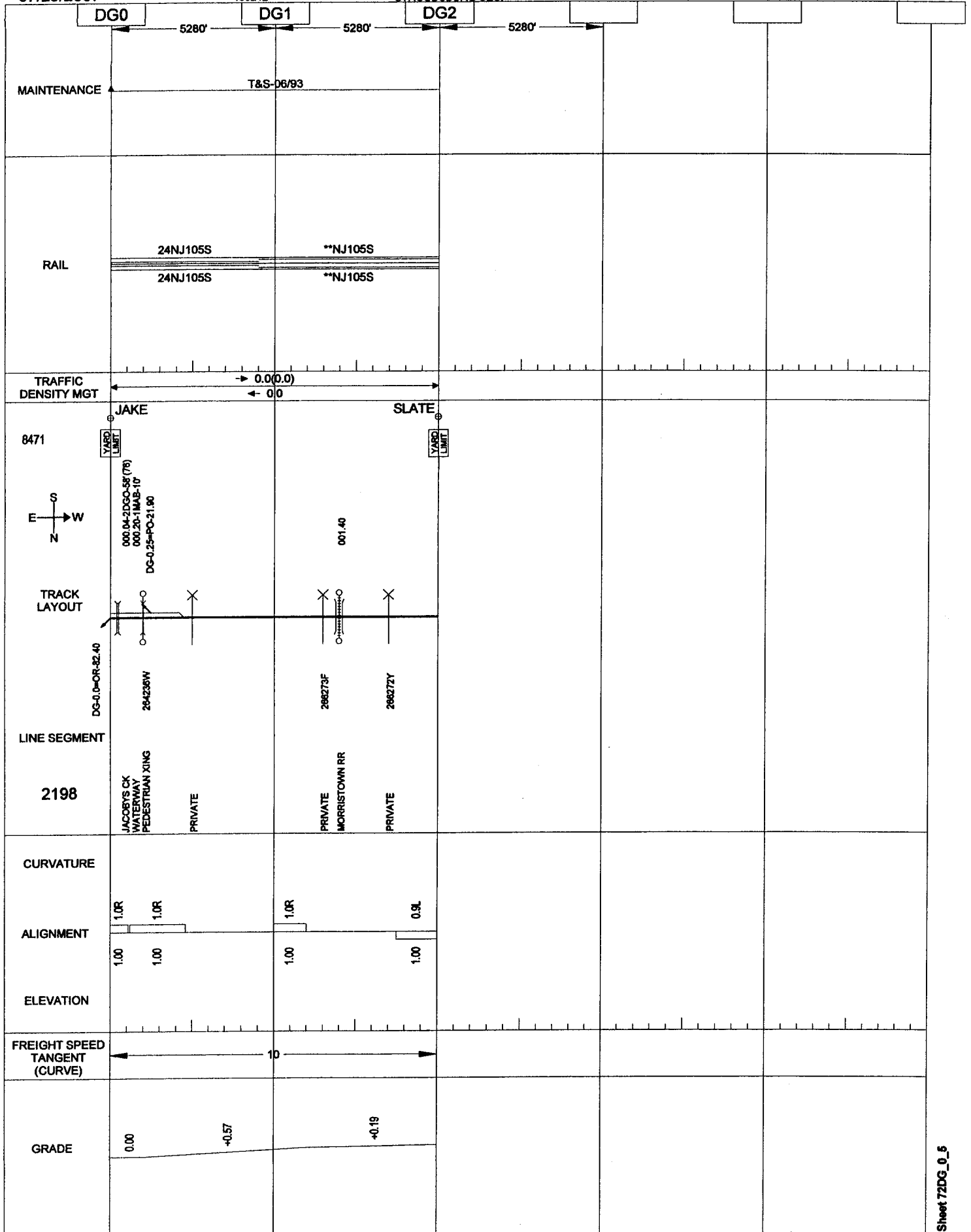
07/25/2007

106242

065  
STROUDSBURG SEC.

JAKE-GRAVEL

HARRISBURG



07/25/2007

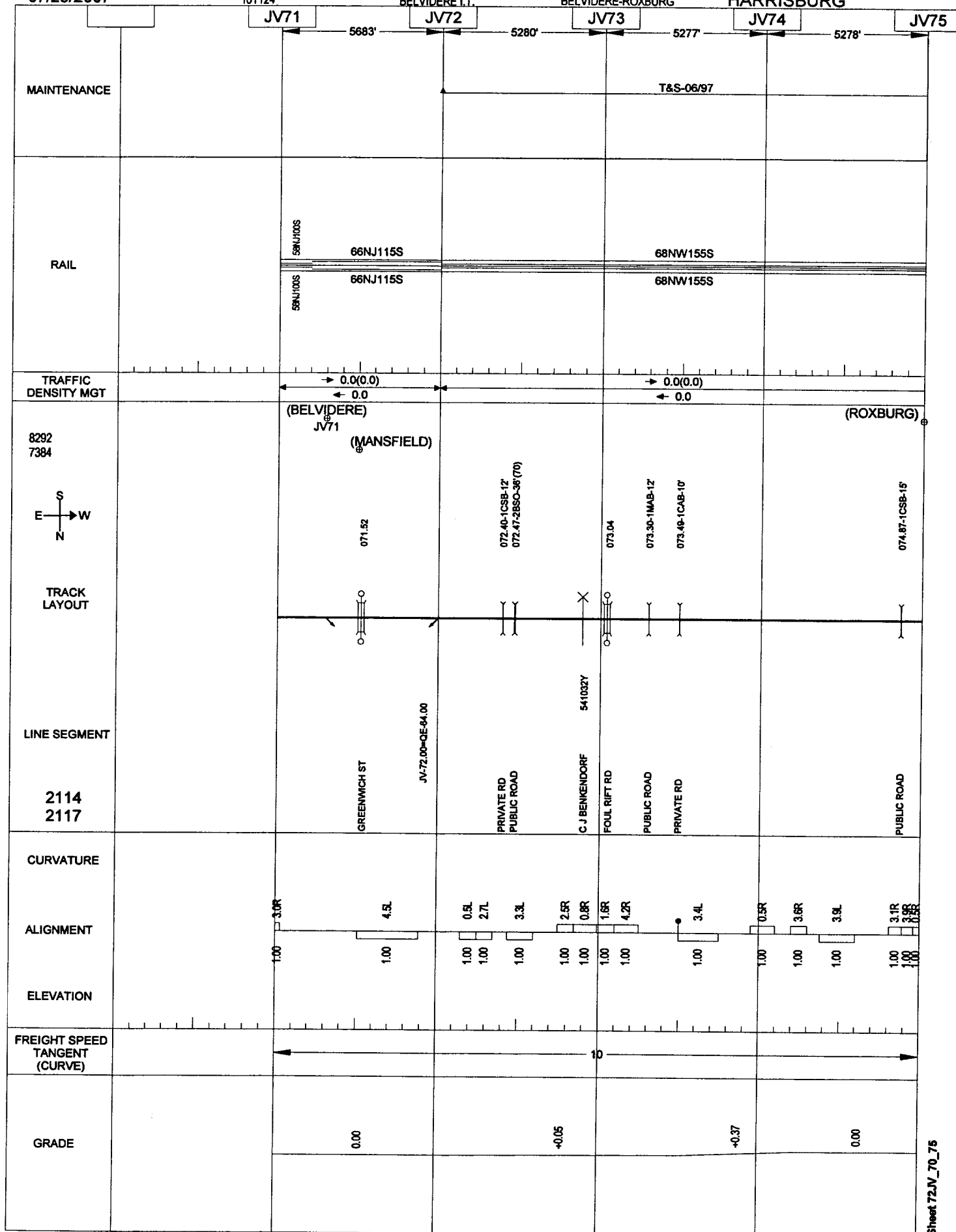
101124

066

BELVIDERE I.T.

BELVIDERE-ROXBURG

HARRISBURG



07/25/2007

101124

067

HUDSON SEC.

ROXBURG-BRAINARDS

HARRISBURG

JV75

JV76

JV77

JV78

5276'

5275'

5277'

5262'

MAINTENANCE

T&S-06/85  
S-06/88

RAIL

68RW155S

88RW127S

88RW127S

68RW155S

TRAFFIC  
DENSITY MGT→ 0.0(0.0)  
← 0.0

7384

(ROXBURG)

BRAINARDS  
(MARTINS CREEK)S  
E → W  
N

075.53-1MAB-12'

076.06-1CSB-22'

076.17-1MAB-16'

JV-78.80-PO-7.10

TRACK  
LAYOUT

LINE SEGMENT

JV-75.10-RJ-0.0

2117  
2120

CLINES ROAD

PUBLIC ROAD  
BUCKHORN CREEK

PRIVATE

PRIVATE

MOSEY'S  
BROAD ST

CURVATURE

ALIGNMENT

0.5R

0.5R

0.5R

2.1R

0.6L

0.5R

3.4L

1.7R

2.8L

1.8R

1.8L

1.9R

2.2R

2.6R

2.8R

2.1R

ELEVATION

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

30

GRADE

0.00

+0.10

07/25/2007

101124

068  
BELVIDERE I.T.

BELVIDERE

HARRISBURG

QE64

QE65

5278'

T&S-06/92

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

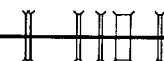


TRACK  
LAYOUT

(BELVIDERE)

QE-64.00-JV-72.00

064.39-1CAB-17  
064.41-1CSB-22  
064.80-3TGB-74  
064.88-3TGB-73  
064.76-8MSC-318 (84)  
064.83-3TGB-73  
064.98-1TGO-56 (70)



LINE SEGMENT

2591

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

POPHANDUSING CREEK  
4TH STREET  
2ND STREET  
FRONT ST  
SOUTH WATER STREET  
PAUL STREET  
JAMES ST

4.1R	2.6R	3.1L	1.4L	6.3R
1.00	1.00	1.00	1.00	1.00

10

+0.08

07/25/2007

101124

069  
BELVIDERE I.T.

BELVIDERE

HARRISBURG

QE65

1584'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGTS  
E → W  
NTRACK  
LAYOUT

065.08



LINE SEGMENT

2591

MARKET ST

CURVATURE

ALIGNMENT

6.3%

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.08



07/25/2007

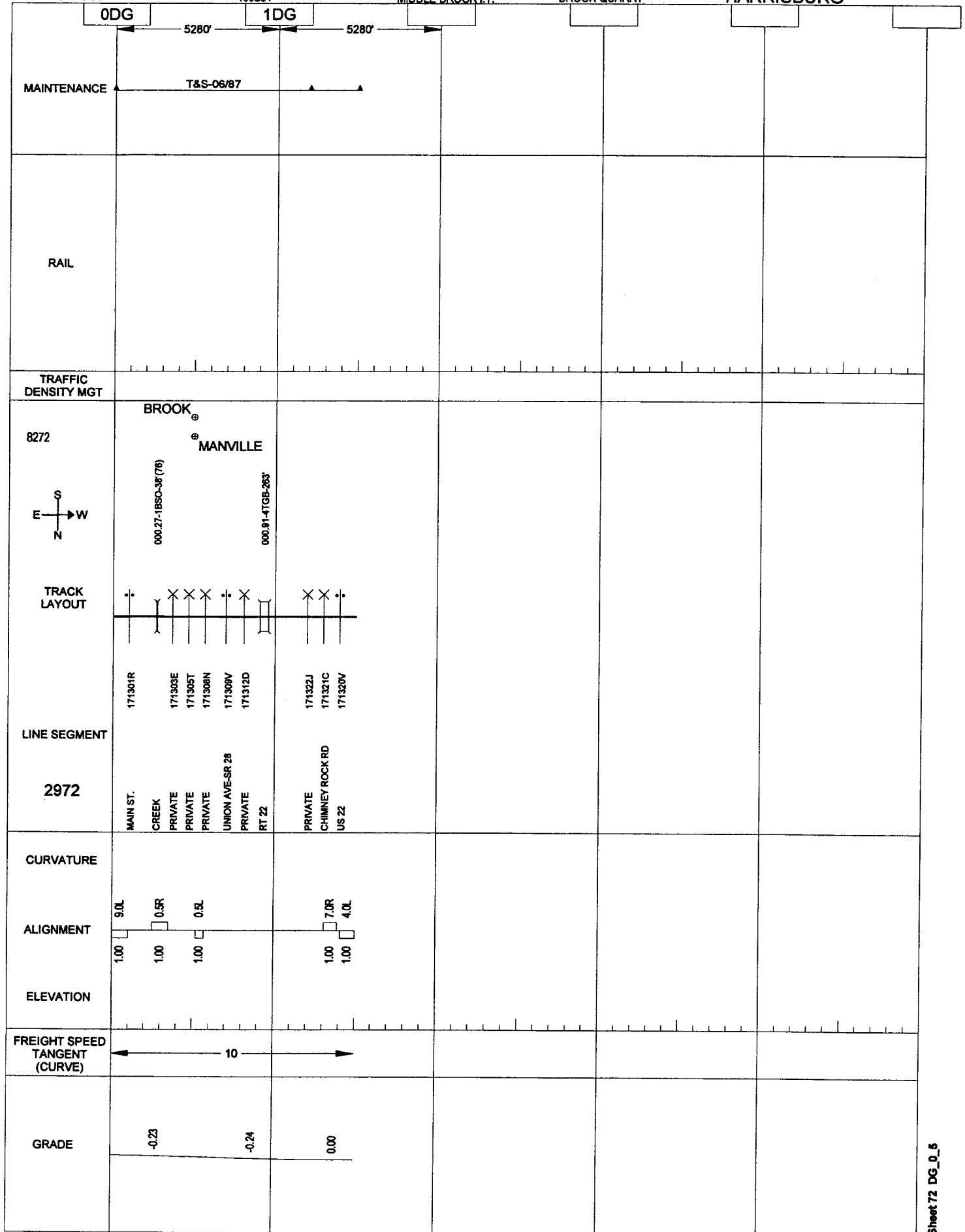
100231

070

MIDDLE BROOK I.T.

BROOK-QUARRY

HARRISBURG



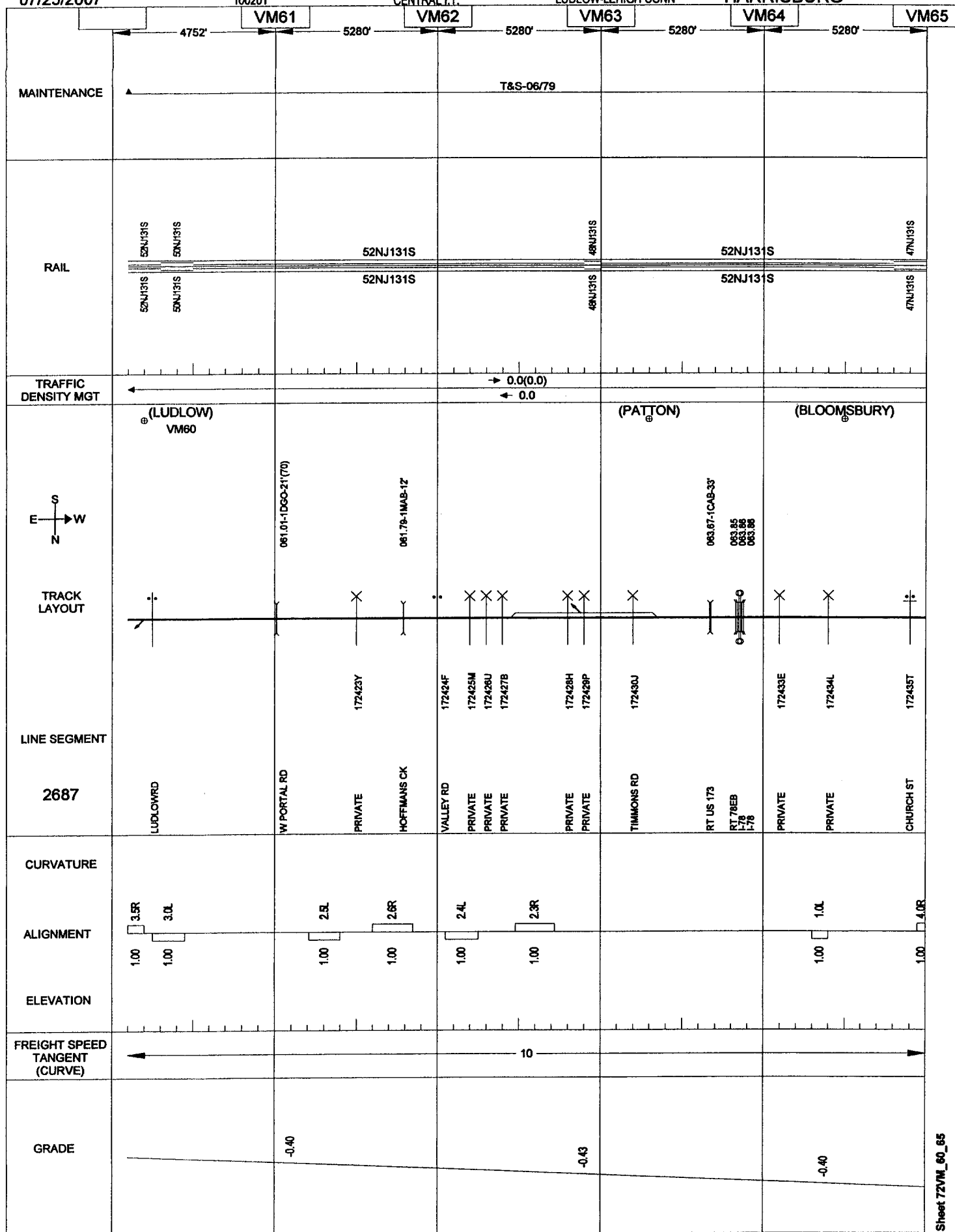
07/25/2007

100201

071  
CENTRAL I.T.

LUDLOW-LEHIGH CONN

HARRISBURG



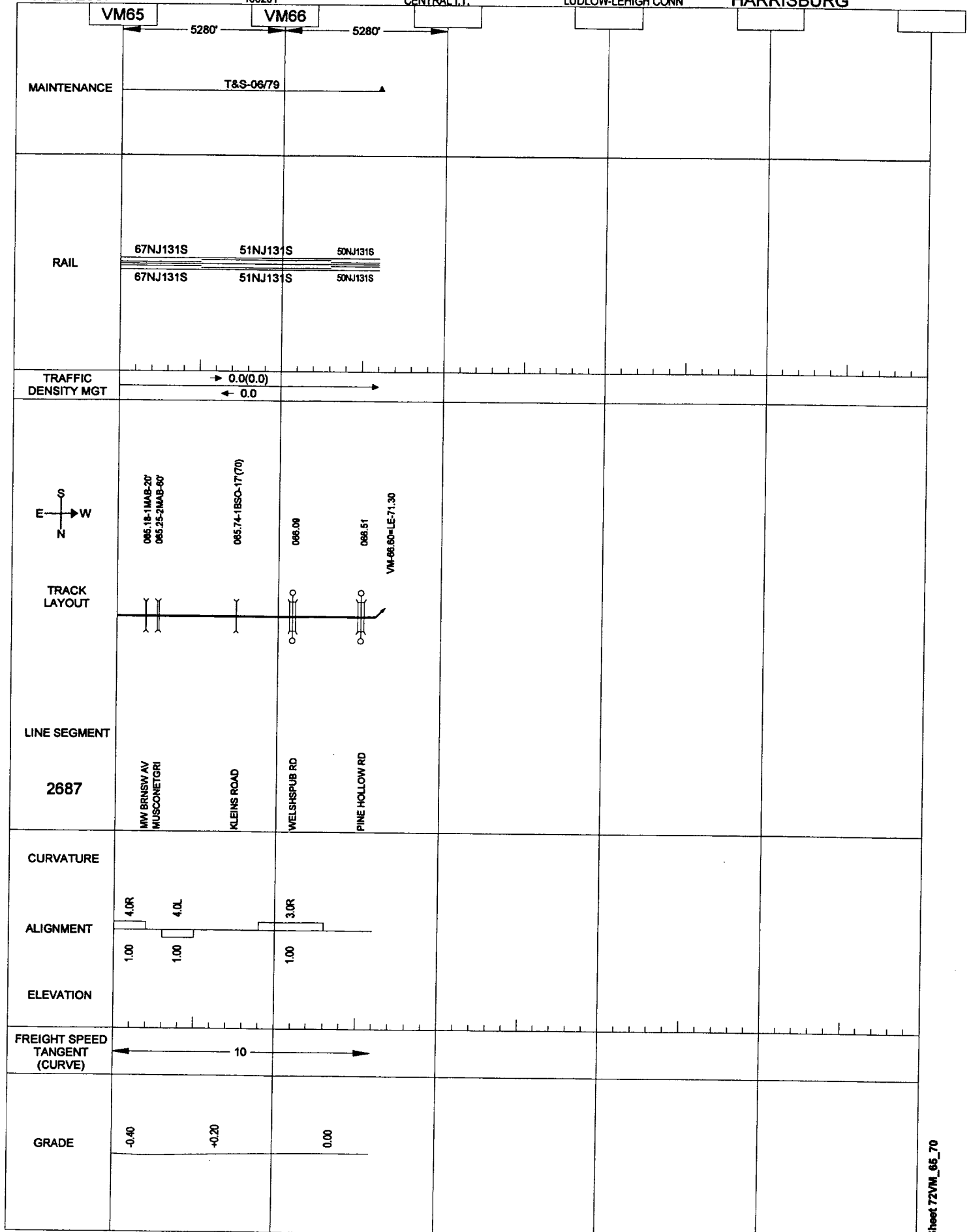
07/25/2007

100201

072  
CENTRAL I.T.

LUDLOW-LEHIGH CONN

HARRISBURG





HARRISBURG

Sheet 72SE\_5\_10

07/25/2007

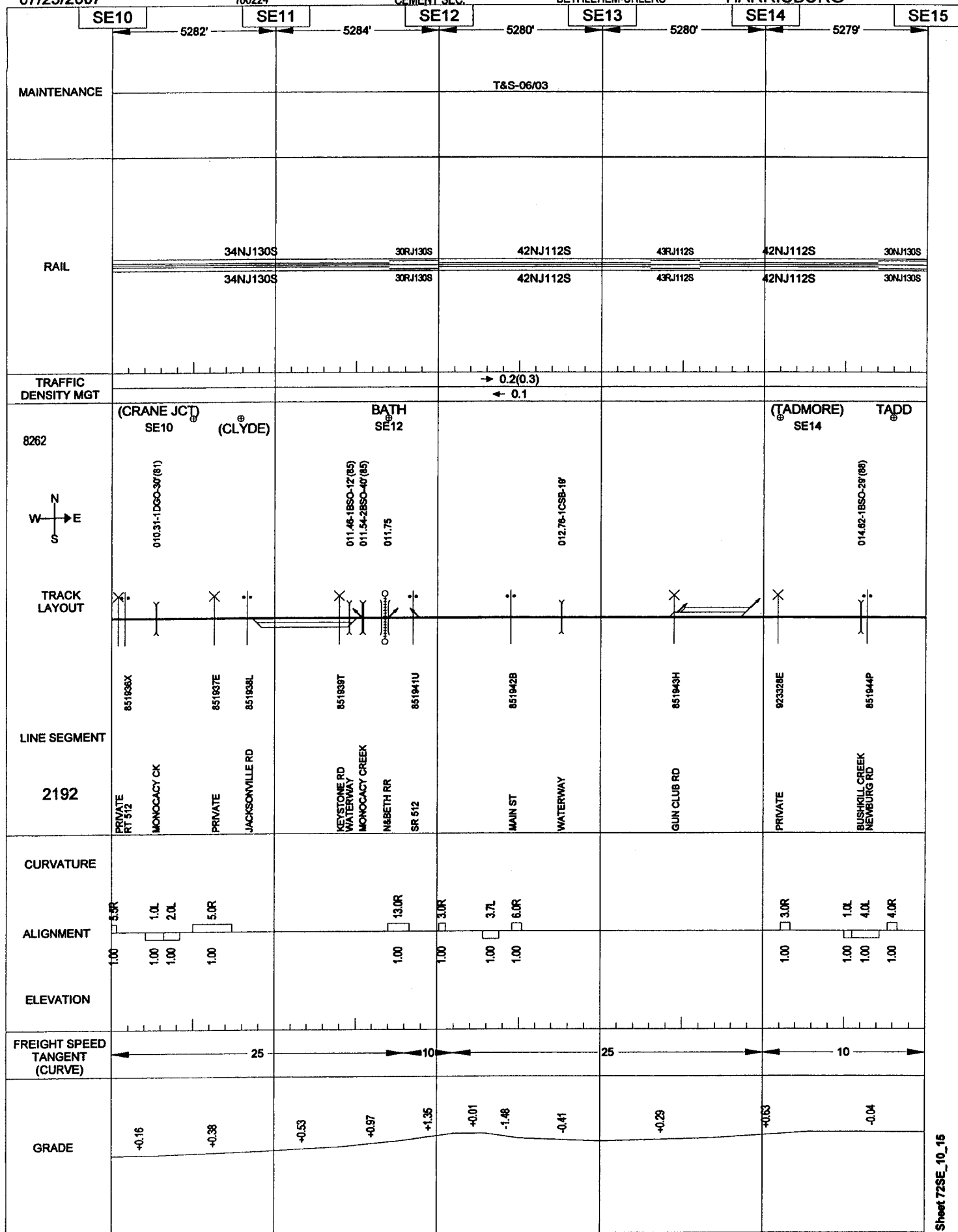
100224

075

CEMENT SEC.

BETHLEHEM-UHLERS

HARRISBURG



07/25/2007

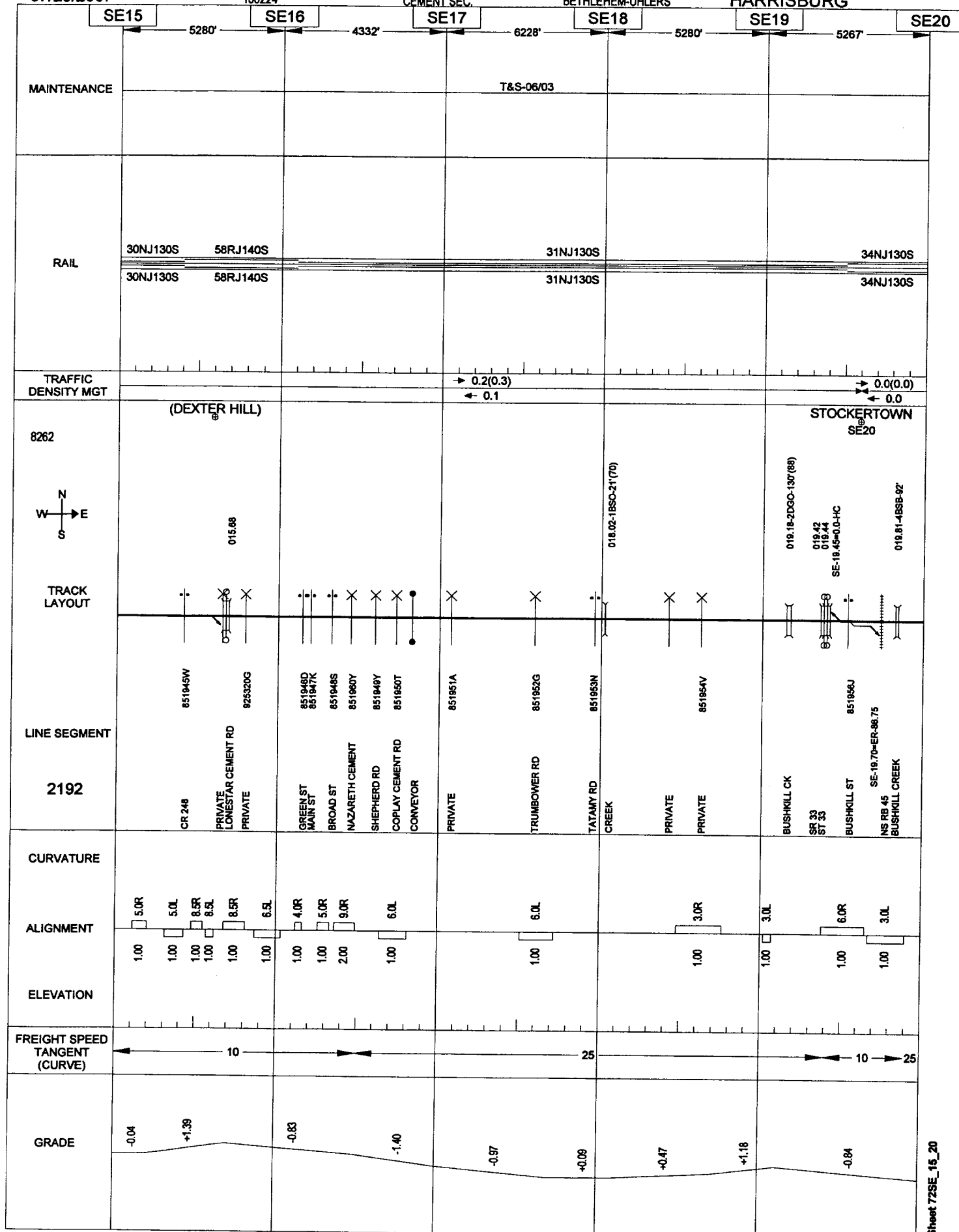
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076

CEMENT SEC.

BETHLEHEM-UHLERS

HARRISBURG



07/25/2007

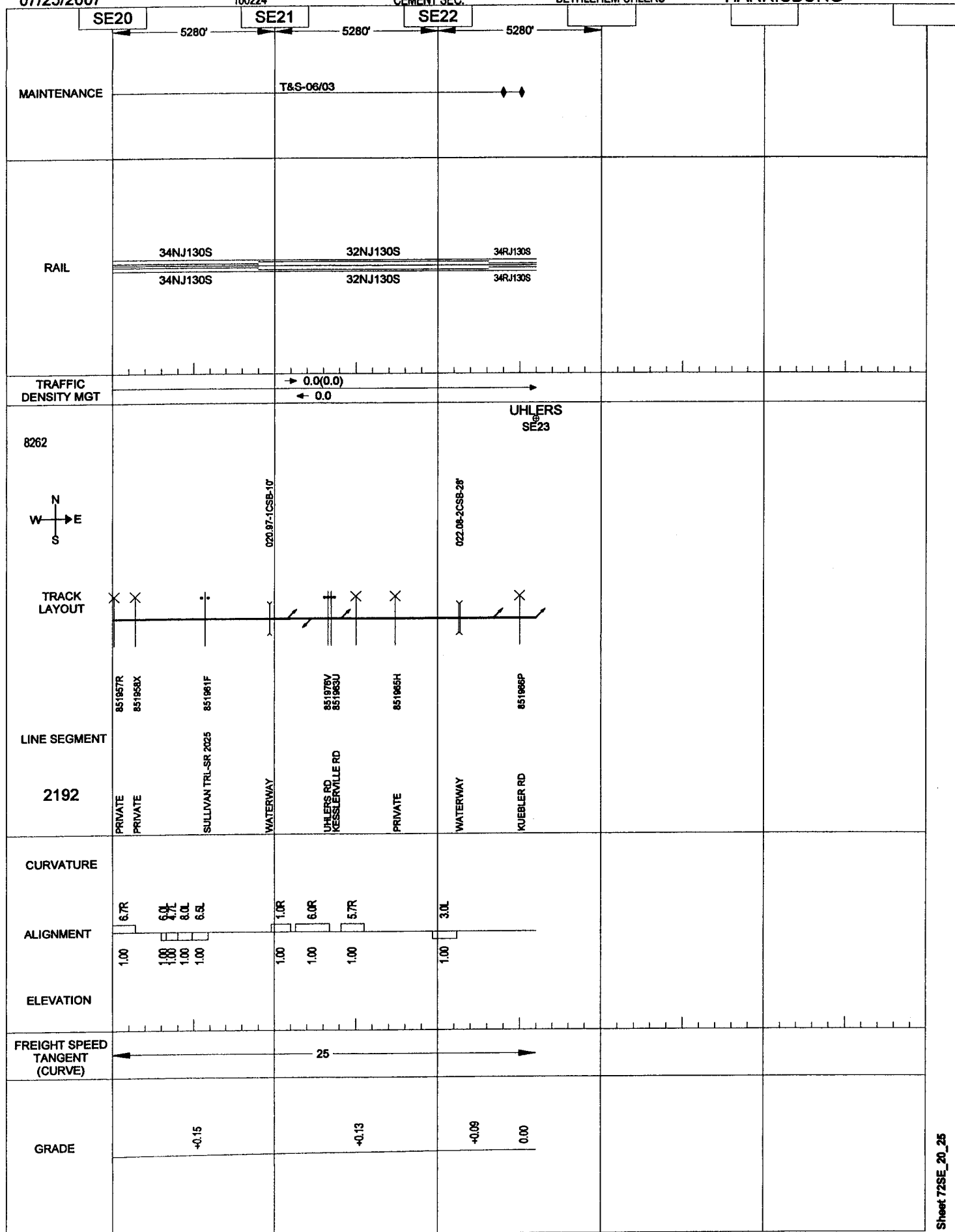
100224

077

CEMENT SEC.

BETHLEHEM-UHLERS

HARRISBURG





07/25/2007

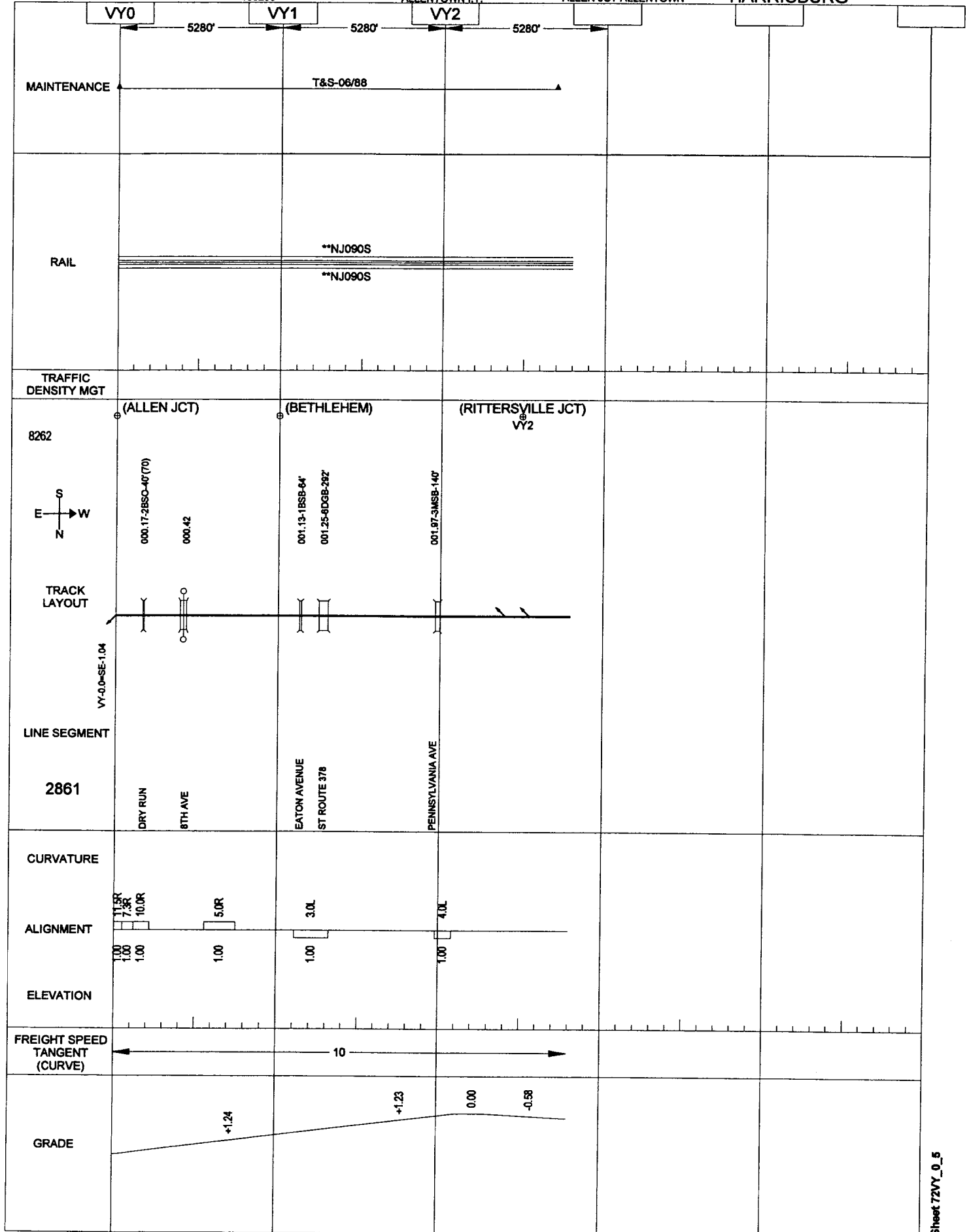
100299

078

ALLENTOWN I.T.

ALLEN JCT-ALLENTOWN

HARRISBURG



07/25/2007

100513

079

E & N.I.T.

13TH ST JCT-END

HARRISBURG

ER87

5284'

5281'

MAINTENANCE

RAIL

\*\*NJ100S

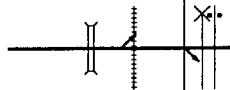
\*\*NJ100S

TRAFFIC  
DENSITY MGT



TRACK  
LAYOUT

086.85-2DGO-114' (70)  
ER-86.75-SE-19.70



LINE SEGMENT

2469

BUSHKILL CK

NS RB 45

BUSHKILL ST  
CENTER ST

361732H  
361733P

CURVATURE

ALIGNMENT

ELEVATION

3.0R

1.00

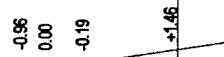
3.0L

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE



07/25/2007

106243

080  
NAZARETH I.T.

BELFAST JCT-DEXTER HILL

HARRISBURG

AV104

5280'

5280'

MAINTENANCE

T&amp;S-06/67

RAIL

21NJ105S

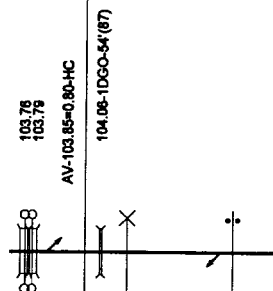
\*\*NJ105S

21NJ105S

\*\*NJ105S

TRAFFIC  
DENSITY MGT

8471

TRACK  
LAYOUT® (HERCULES JCT)  
AV104

LINE SEGMENT

2048

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

06/15/2007

100521

081

LEHIGH LINE (L&amp;S)

CP JU-LEHIGHTON

HARRISBURG

LB84

LB85

5280'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

8269

TRACK  
LAYOUT

LINE SEGMENT

2177  
2180

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

→ 7.8(21.3)  
← 13.5

CP JU  
CP BETHLEHEM

084.13  
084.24-1DGO-58'(70)

084.84

LB-84.80-LE-88.90



510807S

NEW ST BR  
PRIVATE  
MONACACY CREEK

S MAIN ST  
RTE 378

LB-44.72-SE-0.0

20

0.00

06/15/2007

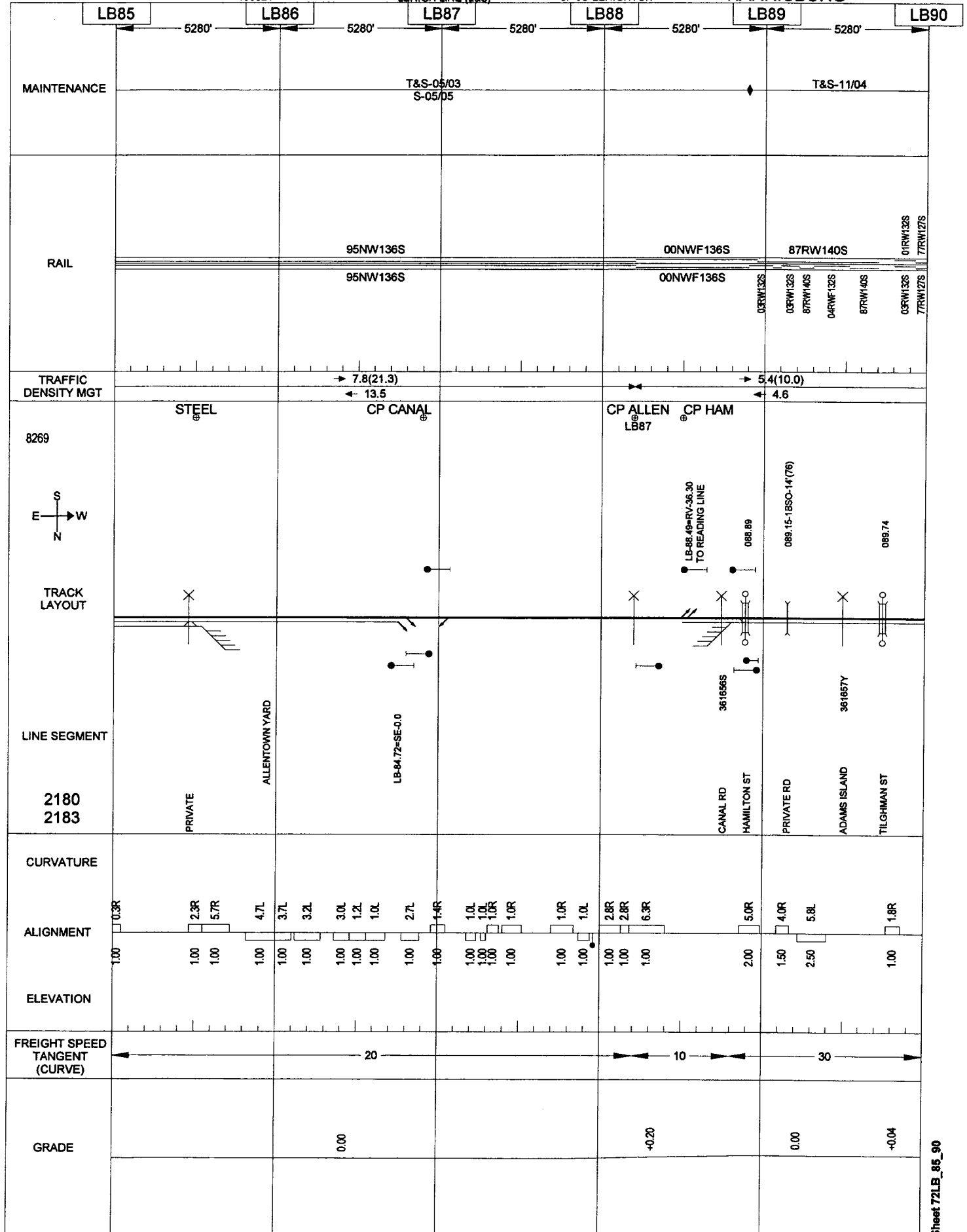
100521

082

LEHIGH LINE (L&amp;S)

CP JU-LEHIGHTON

HARRISBURG



07/25/2007

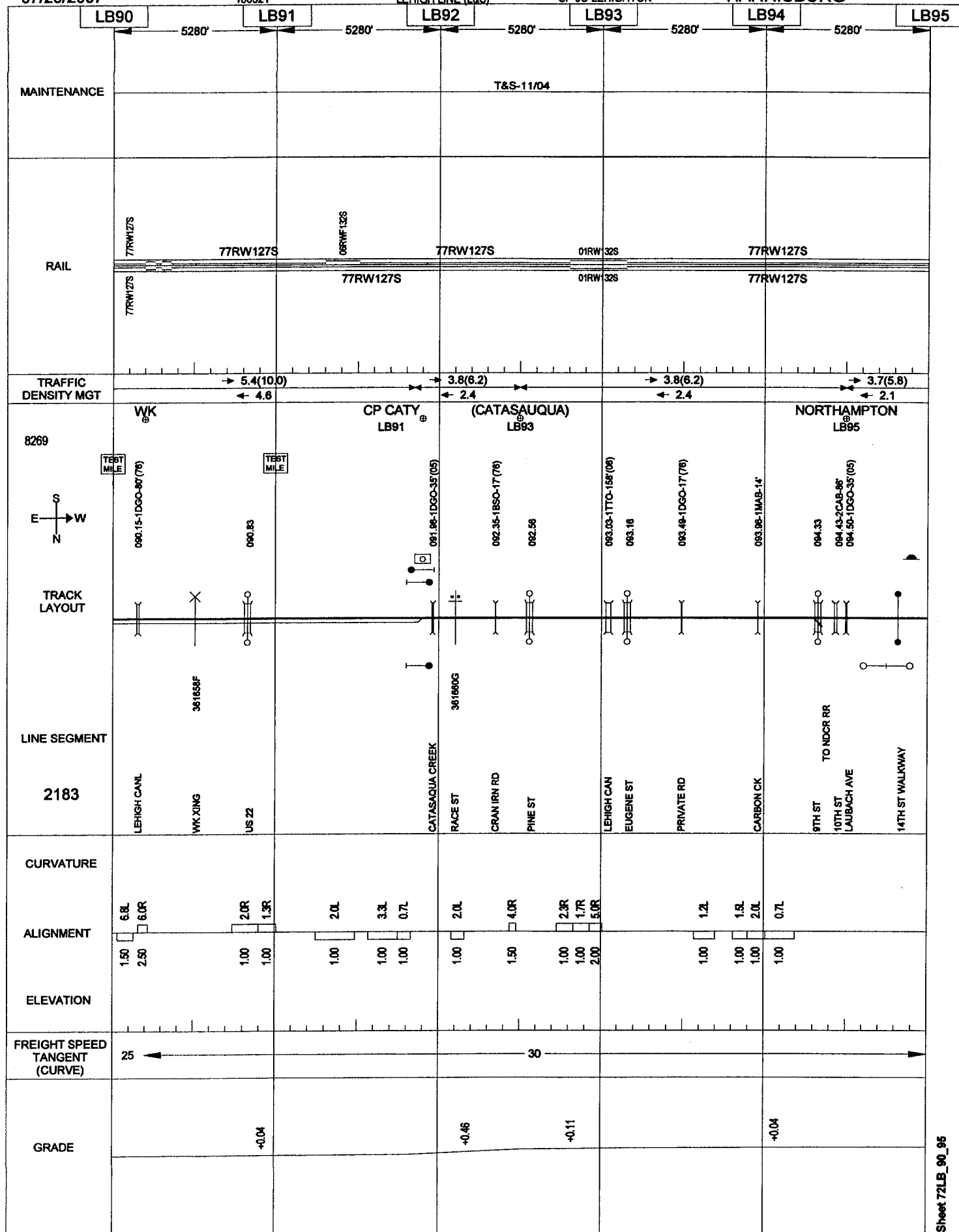
100521

083

LEHIGH LINE (L&amp;S)

CP JU-LEHIGHTON

HARRISBURG





07/25/2007

100521

085  
LEHIGH LINE (L&S)

CP JU-LEHIGHTON

HARRISBURG

LB100

LB101

LB102

LB103

LB104

LB105

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-11/04

RAIL

77NW140S

02RW141S

77NW140S

01RW132S

77NW140S

88RW131S

77NW140S

03RW132S

77NW140S

04RW132S

77NW140S

88RW131S

TRAFFIC  
DENSITY MGT

→ 3.5(5.5)

← 2.0

8269

(TREICHLER)  
LB100

(LOCKPORT)

(WALNUTPORT)  
LB105TRACK  
LAYOUT

102.65-1CMB-18'

LINE SEGMENT

2183

361671U

361672B

361674P

361675W

361676D

PRIVATE

PRIVATE

PRIVATE

PRIVATE

BERTSCH CK

PRIVATE

CANAL ST

MAIN ST

CURVATURE

ALIGNMENT

3.0R

2.3R

3.0R

2.8R

1.9L

5.9L

4.0R

2.0R

3.5R

1.00

1.00

1.00

1.00

1.00

2.50

1.50

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

30

GRADE

+0.07



07/25/2007

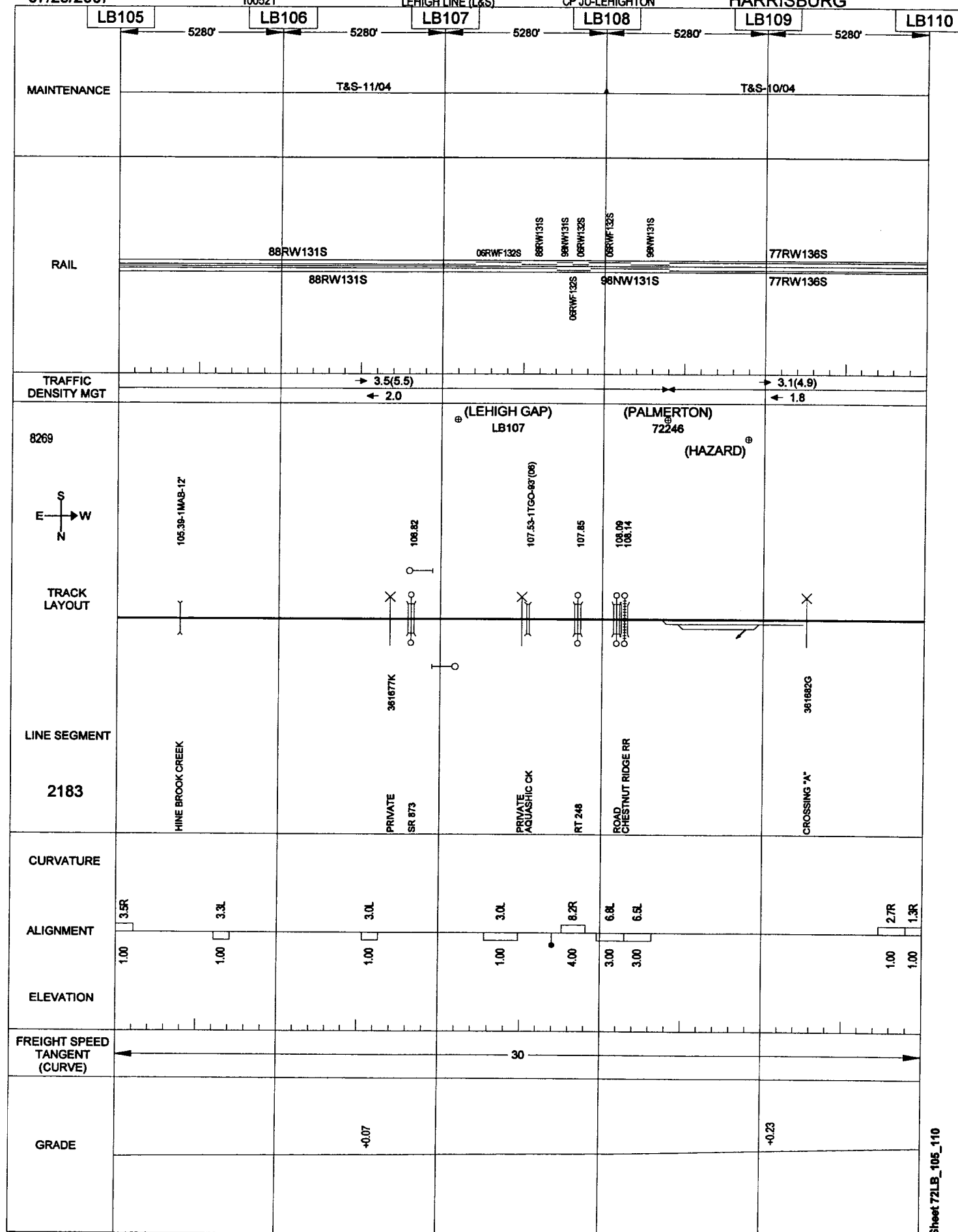
100521

086

LEHIGH LINE (L&amp;S)

CP JU-LEHIGHTON

HARRISBURG



07/25/2007

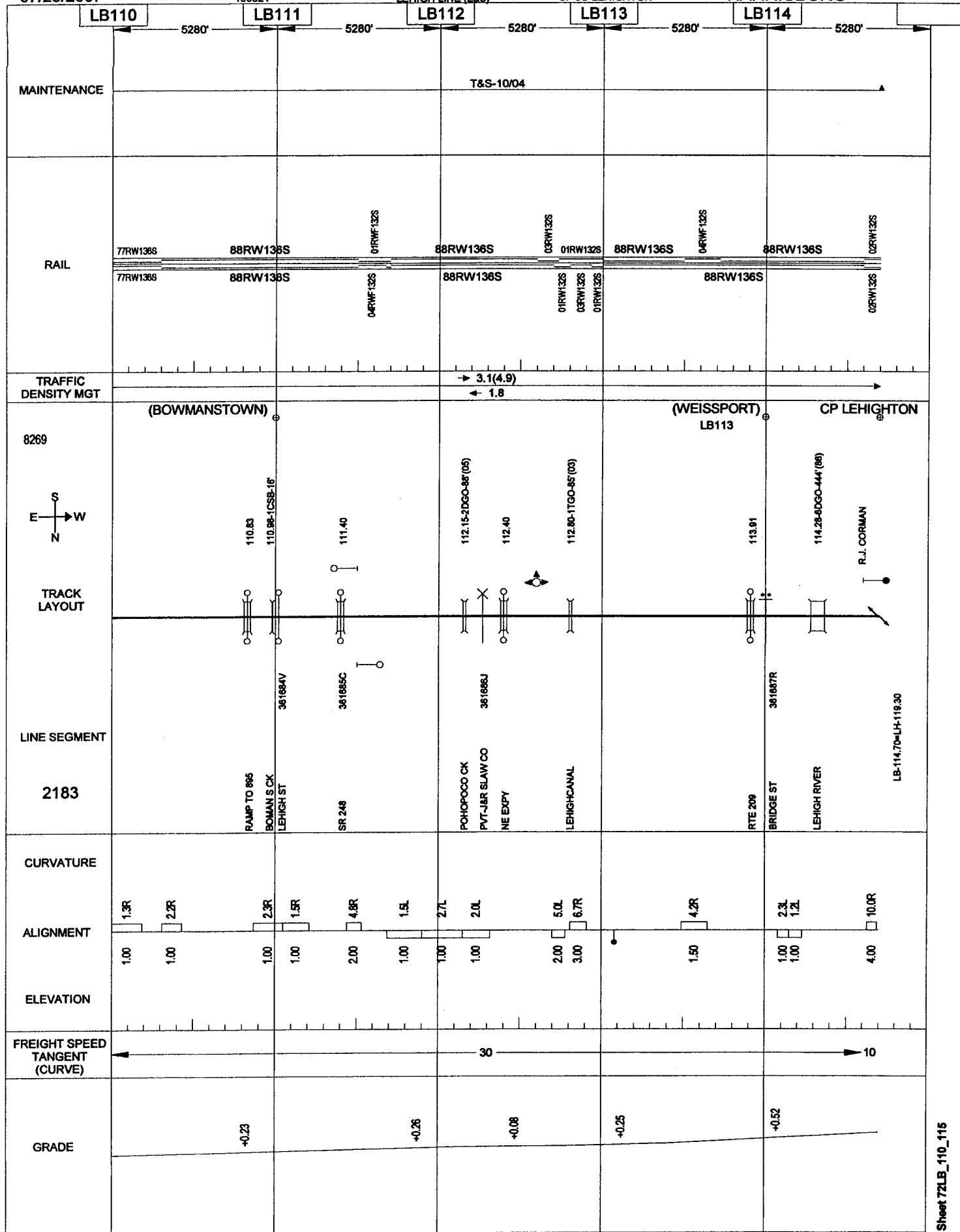
100521

087

LEHIGH LINE (L&amp;S)

CP JU-LEHIGHTON

HARRISBURG



07/25/2007

100501

088

LEHIGH LINE

LEHIGHTON-M&amp;H JCT

HARRISBURG

LH120

5280'

T&amp;S-06/85

T&amp;S-10/04

88RW136S

88RW136S

56RJ136S

56RJ136S

→ 0.8(0.6#2)

← 0.4(0.6#1)

CP LEHIGHTON

●

LH-119.30=LB-114.70

10 → 10 →

10 → 10 →

0.00

+0.36

Sheet 72LH\_115\_120

07/25/2007

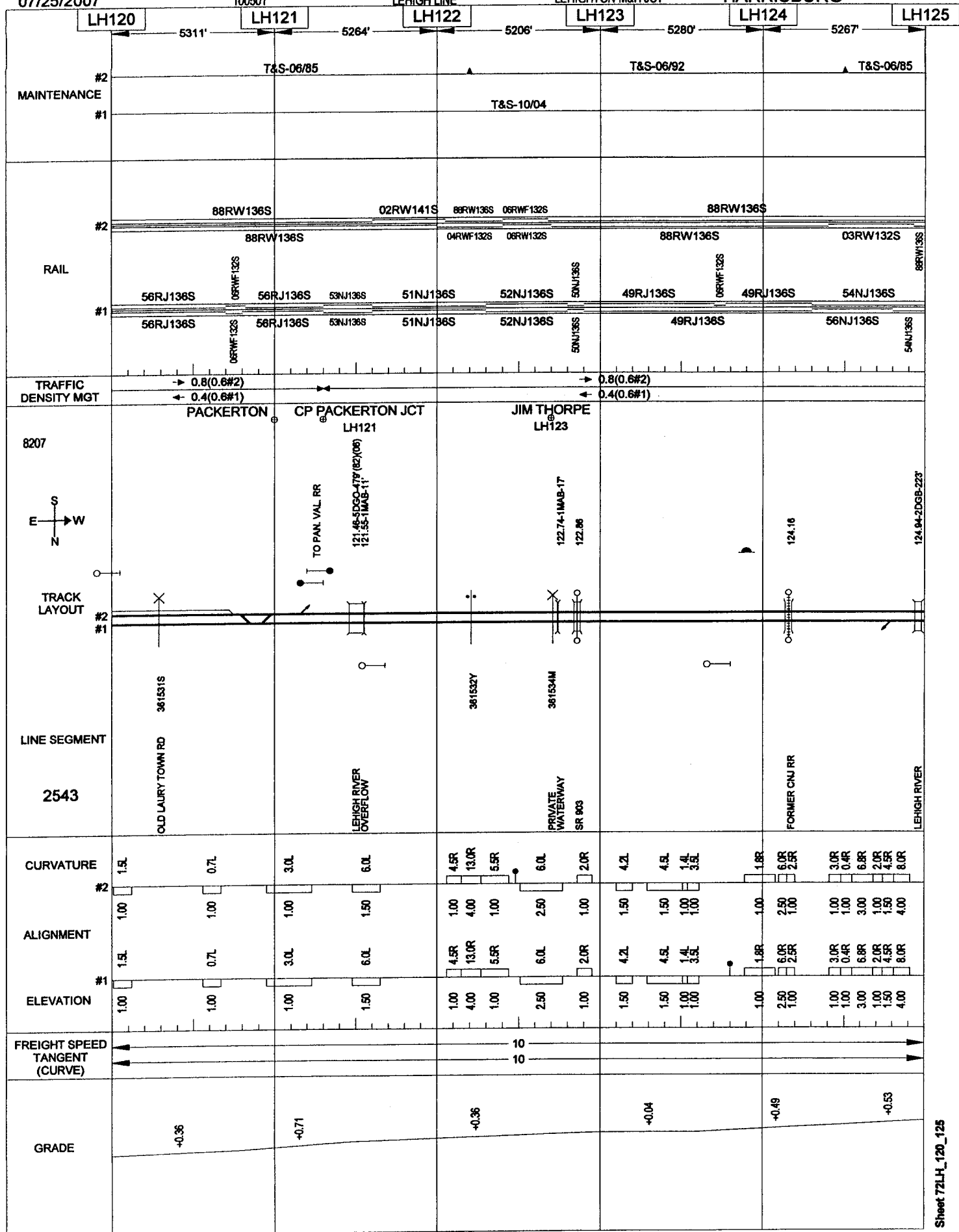
100501

089

LEHIGH LINE

LEHIGHTON-M&amp;H JCT

HARRISBURG



07/25/2007

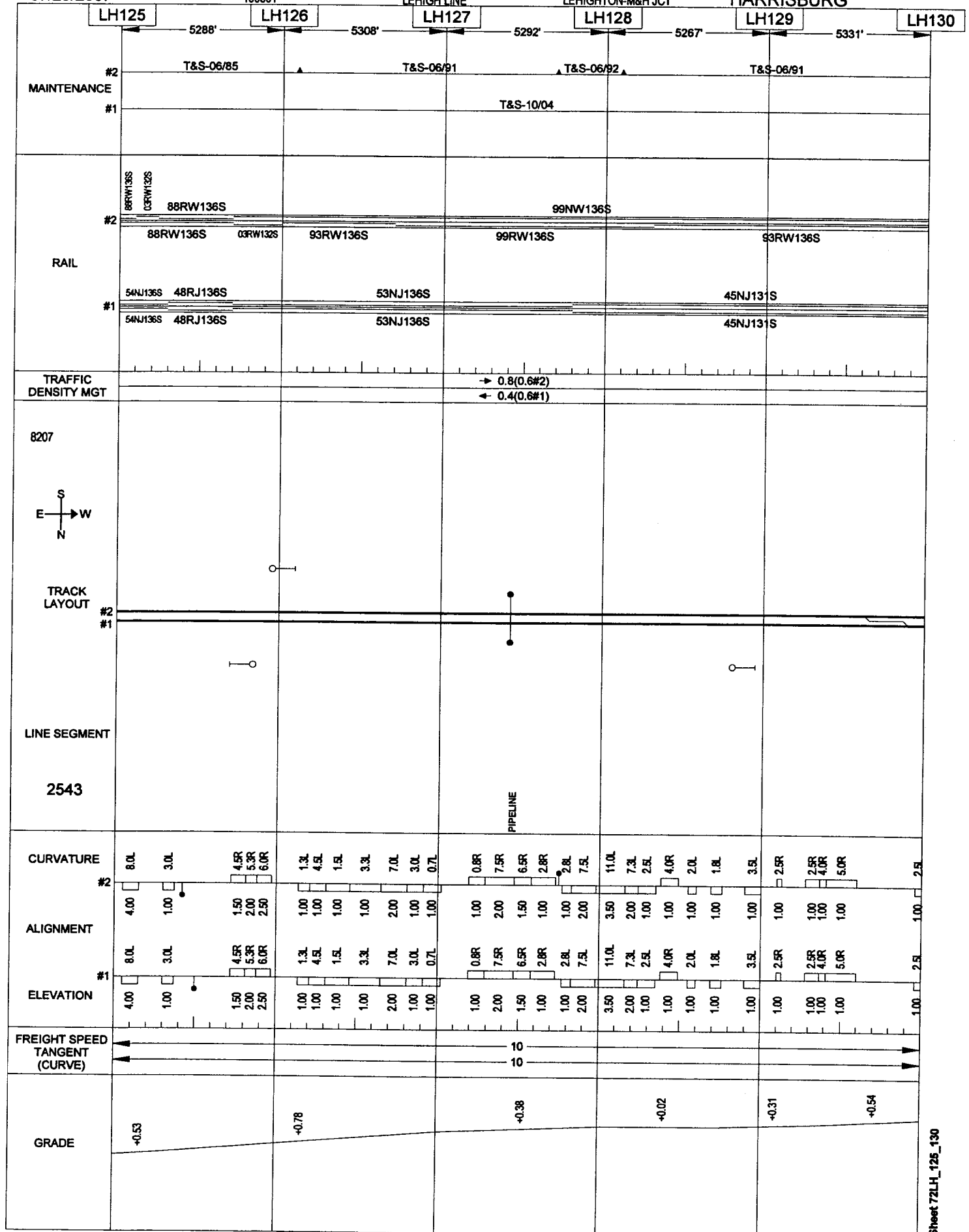
100501

090

LEHIGH LINE

LEHIGHTON-M&amp;H JCT

HARRISBURG



07/25/2007

100501

091  
LEHIGH LINE

LEHIGHTON-M&amp;H JCT

HARRISBURG

LH130

5162'

MAINTENANCE  
#2  
#1

T&amp;S-06/91 ▲

T&amp;S-10/04 ▲

RAIL

#2

99NW136S

93RW136S

#1

45NJ131S

45NJ131S

DERWF132S  
DERWF132S  
93RW136S  
93RW136STRAFFIC  
DENSITY MGT

0.8(0.6#2)

0.4(0.6#1)

CP M&amp;H JCT

8207

TRACK  
LAYOUT

#2

#1

LH-130.80-QH-0.0

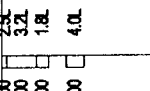
LINE SEGMENT

2543

TO REMN

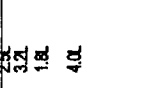
CURVATURE

#2



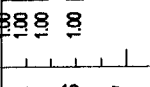
ALIGNMENT

#1



ELEVATION

#1

FREIGHT SPEED  
TANGENT  
(CURVE)

10

10

GRADE

0.00

07/25/2007

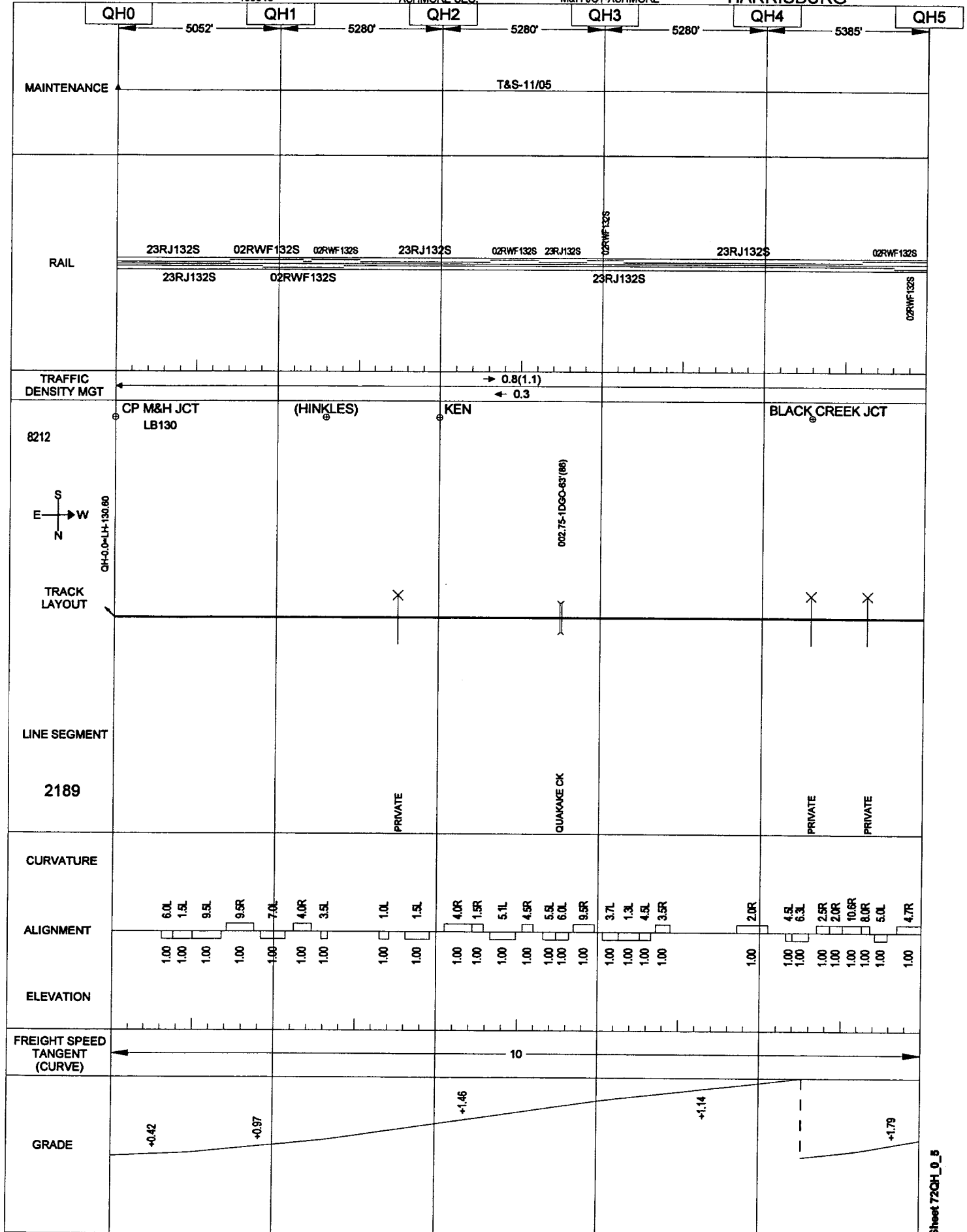
100515

092

ASHMORE SEC.

M&amp;H JCT-ASHMORE

HARRISBURG



07/25/2007

100515

093

ASHMORE SEC.

M&amp;H JCT-ASHMORE

HARRISBURG

QH5

QH6

QH7

QH8

QH9

QH10

5155'

5300'

5299'

5266'

5302'

MAINTENANCE

T&amp;S-11/05

RAIL

23RJ132S

02RWF132S

23RJ132S

02RWF132S

23RJ132S

05RWF132S

23RJ132S

05RWF132S

23RJ132S

05RWF132S

23RJ132S

23RJ132S

02RWF132S

23RJ132S

05RWF132S

23RJ132S

05RWF132S

TRAFFIC  
DENSITY MGT

→ 0.8(1.1)

← 0.3

8212

⊕ (WEATHERLY)  
QH5

HAZLE CREEK JCT

TRACK  
LAYOUT

±

X

007.07-2DGO-80'(87)

008.78-1CAB-12'

LINE SEGMENT

2189

MAIN ST

SPRING GARDEN ST

HAZLE CK

DRECKS CK

CURVATURE

ALIGNMENT

4.2R

7.5R

1.00

1.00

5.5L

11.0L

1.00

1.00

1.8L

1.5R

1.00

1.00

2.0L

4.0R

1.00

1.00

13.0R

1.00

3.5L

2.9L

1.00

1.00

4.5R

1.00

2.3L

2.9L

1.00

1.00

5.9R

1.00

6.0L

14.0L

1.00

1.00

8.0L

4.0L

1.00

8.5R

9.0R

1.00

1.00

7.8R

1.00

7.8L

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+1.79

+2.72

+1.01



07/25/2007

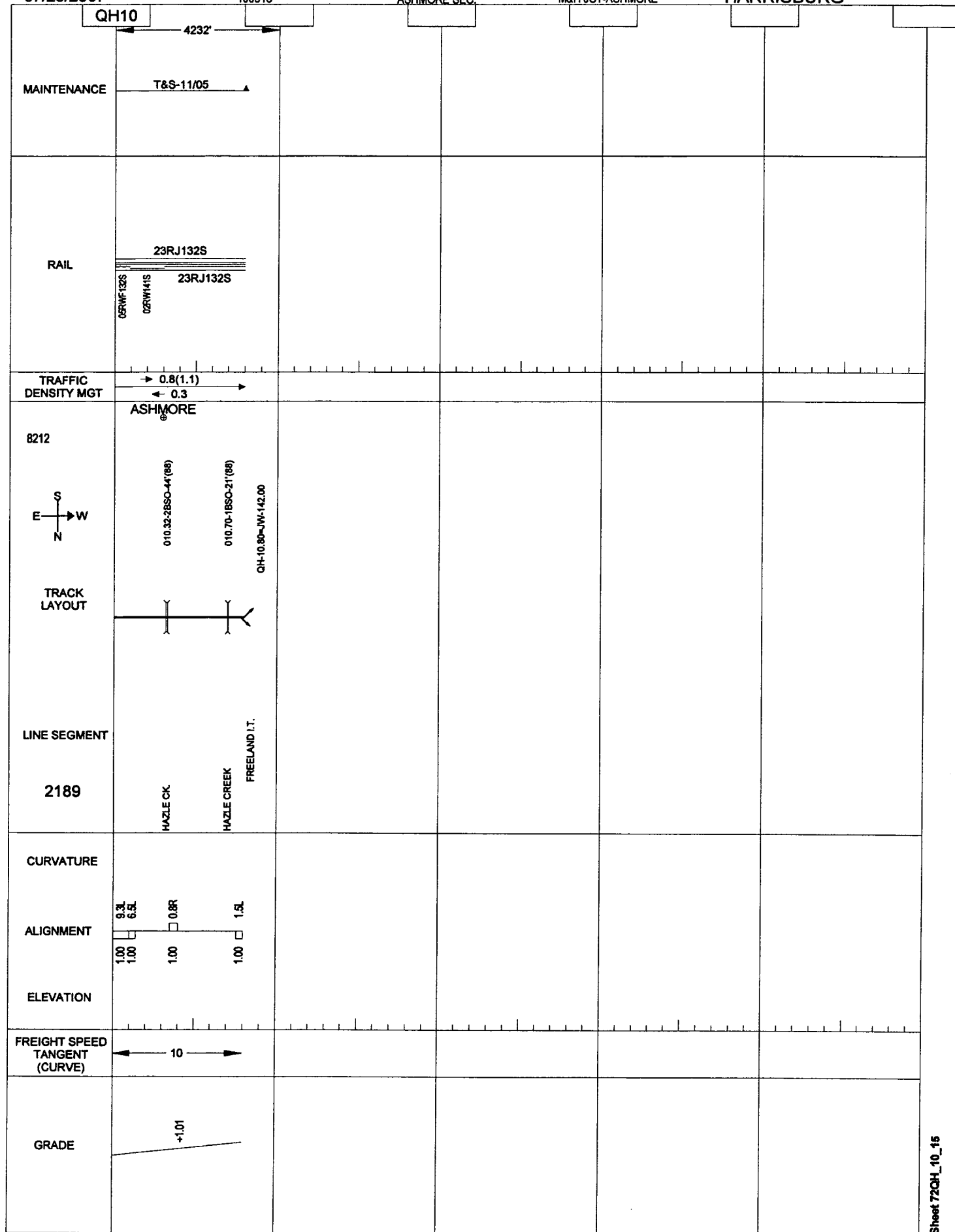
100515

094

ASHMORE SEC.

M&amp;H JCT-ASHMORE

HARRISBURG



07/25/2007

100515

095  
HAZELTON R.T.  
JW142

ASHMORE-HAZLETON JCT  
JW143

HARRISBURG  
JW144

JW145

5280'

5175'

5323'

5280'

MAINTENANCE

T&S-10/05

RAIL

\*RJF136S

\*RJF136S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)  
← 0.0

→ 0.8(1.1)  
← 0.3

(ASHMORE JCT)  
JW142

(HAZLETON YD)  
72271

8212



TRACK  
LAYOUT

JW-142.00=CH-10.80

LINE SEGMENT

2186

FREELAND R.T.

STOCKTON-HAZLETON  
361508X

PRIVATE  
361512M

HAZLETON YARD

CURVATURE

1.5R

1.4L

0.5L

2.8R

4.1L

5.0L

4.8L

2.0R

8.1R

ALIGNMENT

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.21

-0.30

-0.54

07/25/2007

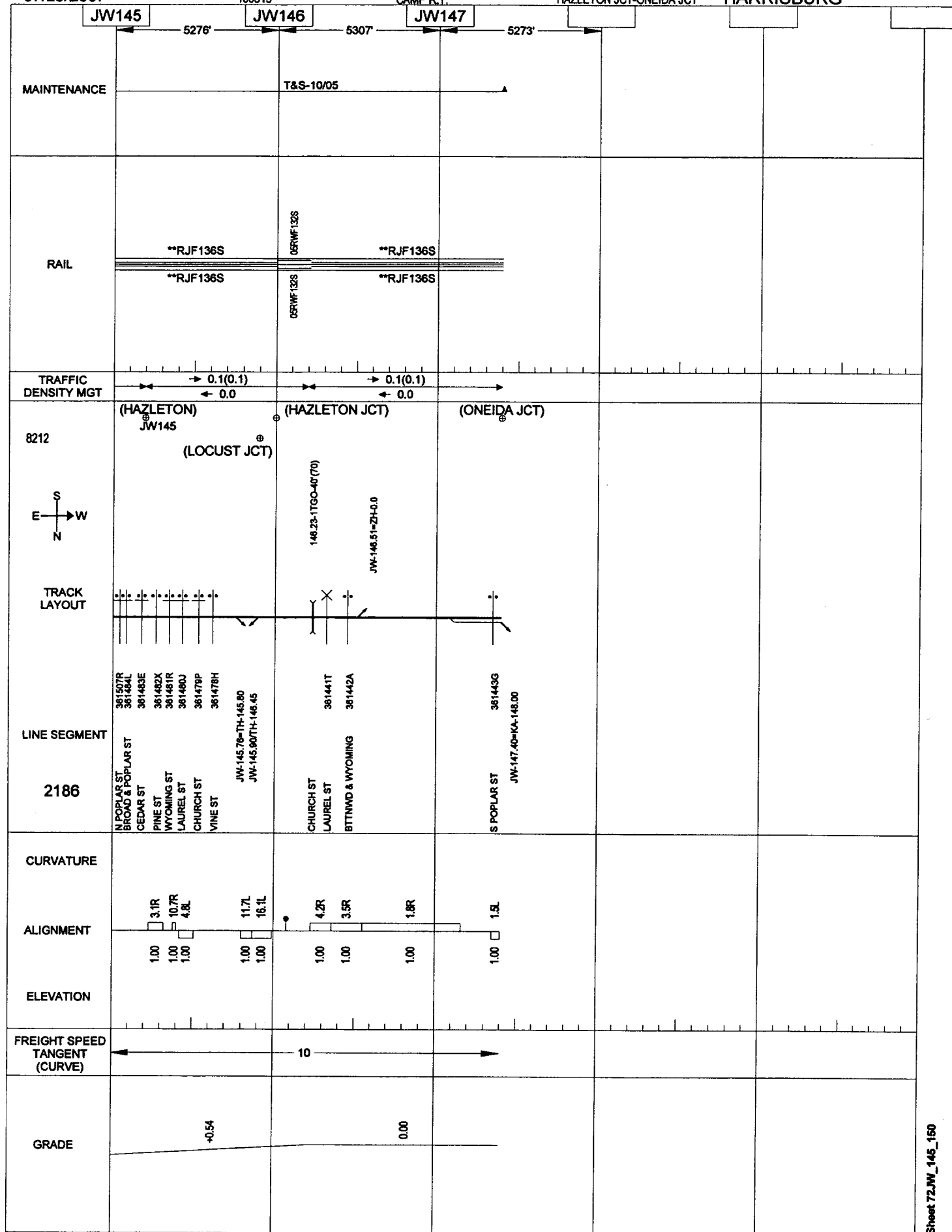
100515

096

CAMP R.T.

HAZLETON JCT-ONEIDA JCT

HARRISBURG



07/25/2007

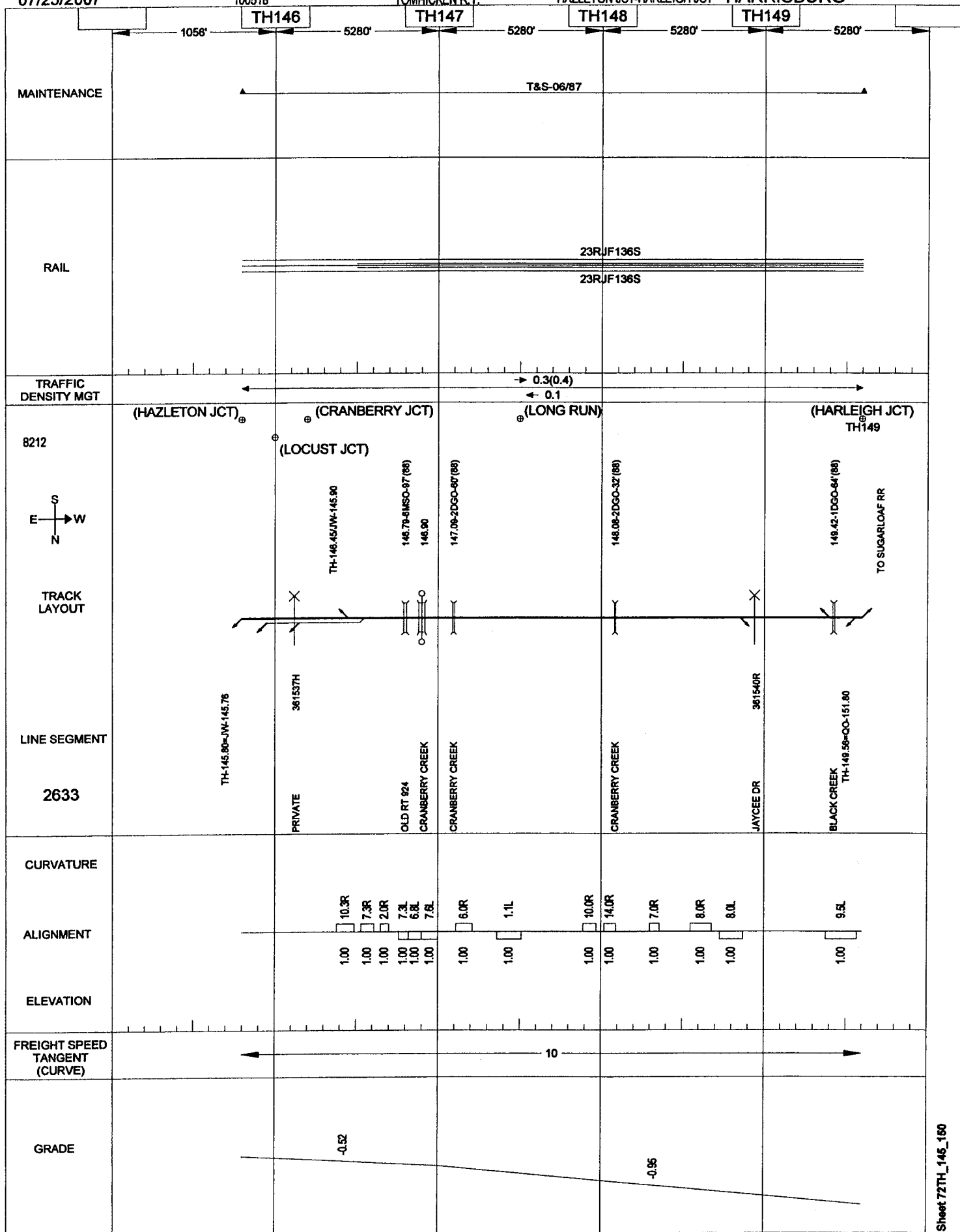
100518

097

TOMHICKEN R.T.

HAZLETON JCT-HARLEIGH JCT

HARRISBURG



07/25/2007

100514

098

SHEPPTON I.T.

ONEIDA JCT-HARWOOD JCT

HARRISBURG

KA148

KA149

KA150

5280'

5280'

MAINTENANCE

T&amp;S-06/90

RAIL

\*\*RJ100S

\*\*RJ100S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)

← 0.0

8210

(ONEIDA JCT)

(HAZLETON)

(HARWOOD JCT)

KA150

S  
E → W  
N

TRACK  
LAYOUT

149.00

LINE SEGMENT

2534

KA-148.00-JN-147.40

361472S

SR 809

361473M

PRIVATE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+1.08

-0.15

Sheet 72/KA\_145\_150

07/25/2007

100517

099  
EBERVALE R.T.

HARLEIGH JCT

HARRISBURG

QO151

5280'

4224'

MAINTENANCE

RAIL

22NJ110S

22NJ110S

TRAFFIC  
DENSITY MGT

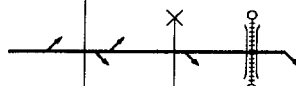
8212



TRACK  
LAYOUT

(OAKBURR JCT)  
(HARLEIGH JCT)<sub>⊕</sub>

151.87



LINE SEGMENT

2603

JAYCEE DRIVE

361550W

QO-151.40-WU-0.25

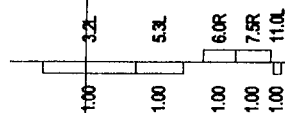
WEST HAZLETON BRAN

QO-151.80-TH-140.58

CURVATURE

ALIGNMENT

ELEVATION



FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

07/25/2007

101121

100  
MORRISVILLE LINE

CP MA-EARNEST

HARRISBURG

MV5

5280'

MAINTENANCE

RAIL

65NW136S  
65NW136S

TRAFFIC  
DENSITY MGT

→ 3.8(6.9)  
← 3.1

CP MA

S  
E → W  
N

TO SHARED ASSETS

005.20

TRACK  
LAYOUT

LINE SEGMENT

2318

OXFORD VLY RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

30

GRADE

-0.18

07/25/2007

101121

101  
MORRISVILLE LINE

CP MA-EARNEST

HARRISBURG

MV5

MV6

MV7

MV8

MV9

MV10

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-03/03  
S-02/06

RAIL

65NW136S

75RW131S

67RW131S

68NW152S

65NW136S

75RW131S

67RW131S

68NW152S

TRAFFIC  
DENSITY MGT

→ 3.8(6.9)

← 3.1

→ 6.3(12.3)

← 6.0

(DUNLAP)

CP LANG

CP W LANG

LANGHORNE

MV9

TEST  
MILETEST  
MILETEST  
MILETEST  
MILES  
E → W  
NTRACK  
LAYOUT

LINE SEGMENT

2318

OXFORD VLY RD  
DUNLAP RD

RT 1

CR N Y BRANCH

BRISTOL CREEK

MV-4.57=25-0.70

WOODBURN RD

BUCKTOE RD

LANGHORN RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

1.0R

1.00

2.0L

2.00

0.5R

1.00

1.0R

1.00

30

50

-0.18

-0.32

-0.46

-0.33

-0.03



07/25/2007

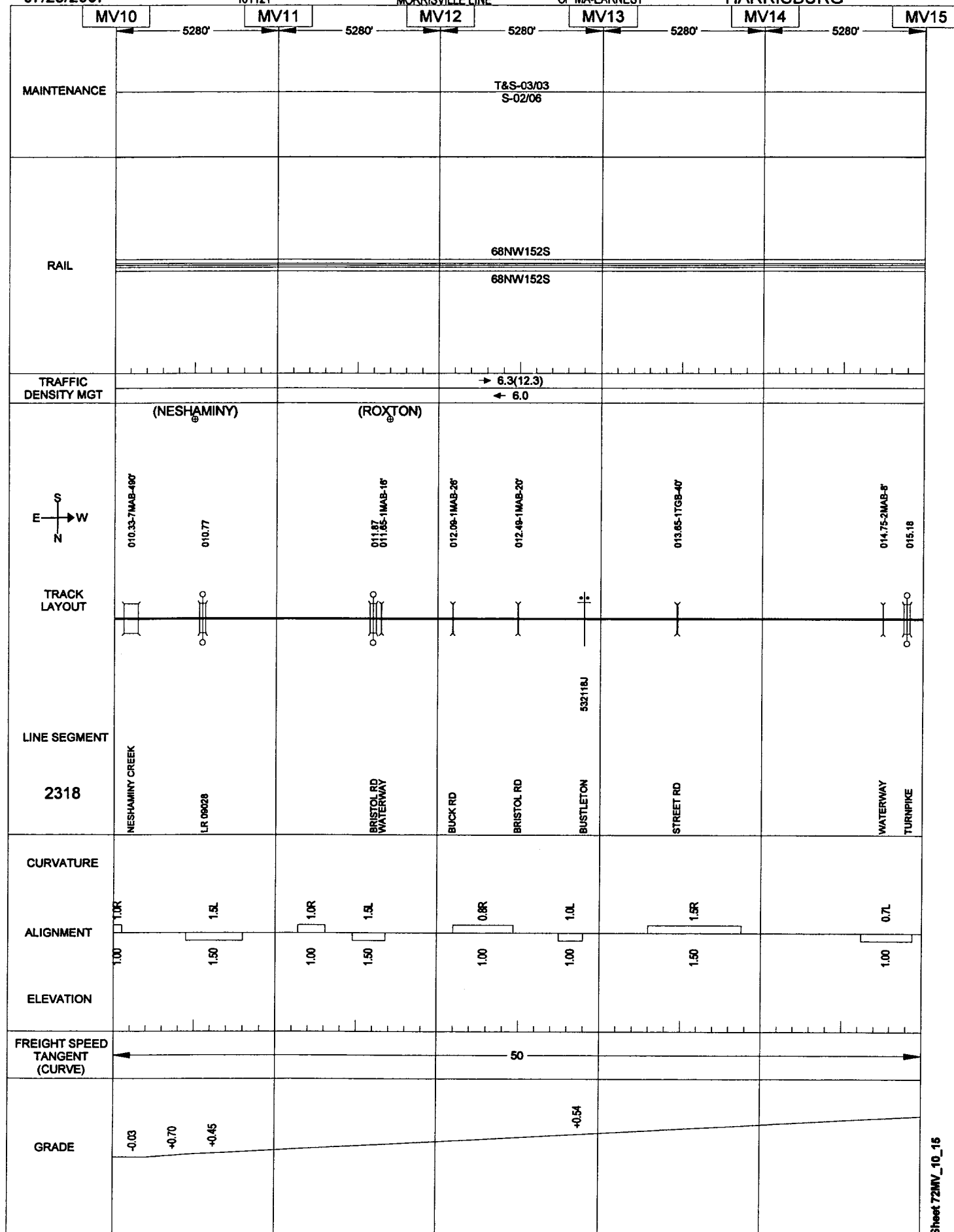
101121

102

MORRISVILLE LINE

CP MA-EARNEST

HARRISBURG



07/25/2007

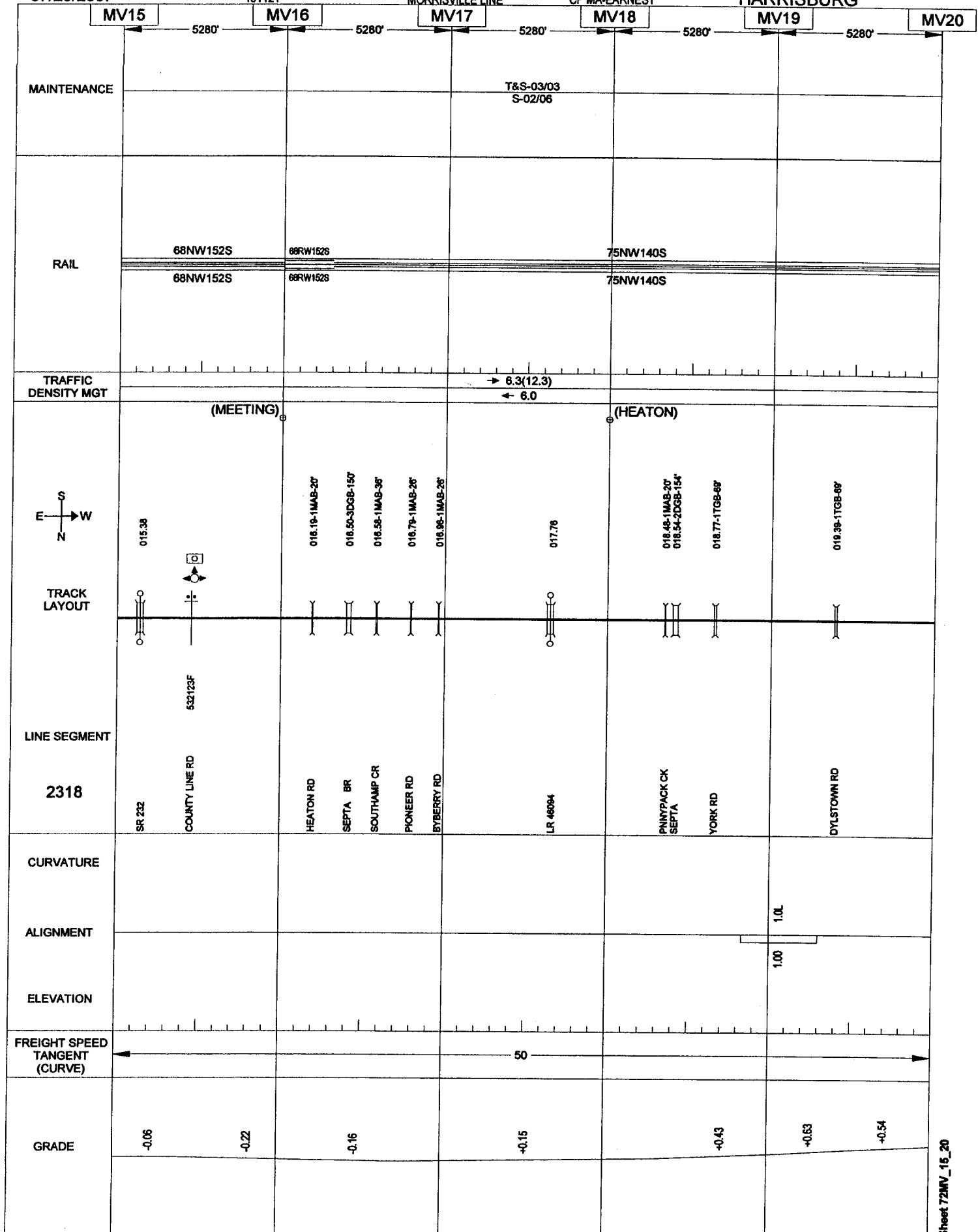
101121

103

MORRISVILLE LINE

CP MA-EARNEST

HARRISBURG



07/25/2007

101121

104

MORRISVILLE LINE

CP MA-EARNEST

HARRISBURG

MV20

MV21

MV22

MV23

MV24

MV25

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-03/03  
S-02/06

RAIL

75NW140S

76RW131S

75NW140S

76RW131S

TRAFFIC  
DENSITY MGT→ 6.3(12.3)  
← 6.0

⊕ (HORSHAM)

(DRESHER) ⊕  
MV22

(FORT HILL) ⊕

S  
E → W  
N

020.26

021.96-185B-52' (02)

022.36-1CSB-20'

022.96-1CSB-12'

023.26-1MAB-20'

024.06-1TGB-97'

024.16-4MSO-136'(NA)

TRACK  
LAYOUT

LINE SEGMENT

2318

WELSH RD

SESQUINA RD

ABAND RD

PRIVATE ROAD

CAMP HILL R

RT 309

SEPTA

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

-0.54

-0.35

-0.18

-0.30

-0.19

-0.35

-0.30

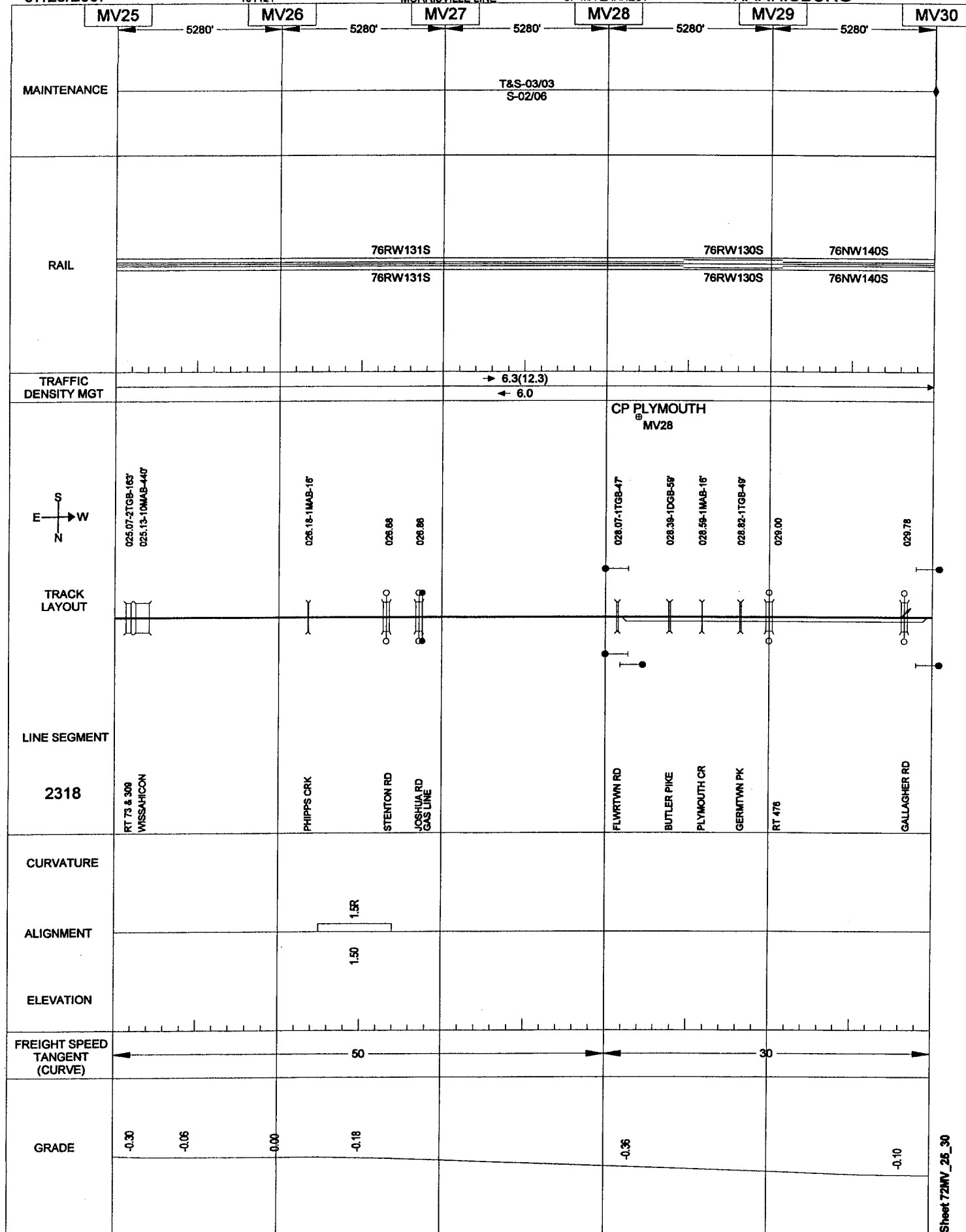
07/25/2007

101121

105  
MORRISVILLE LINE

CP MA-EARNEST

HARRISBURG



07/25/2007

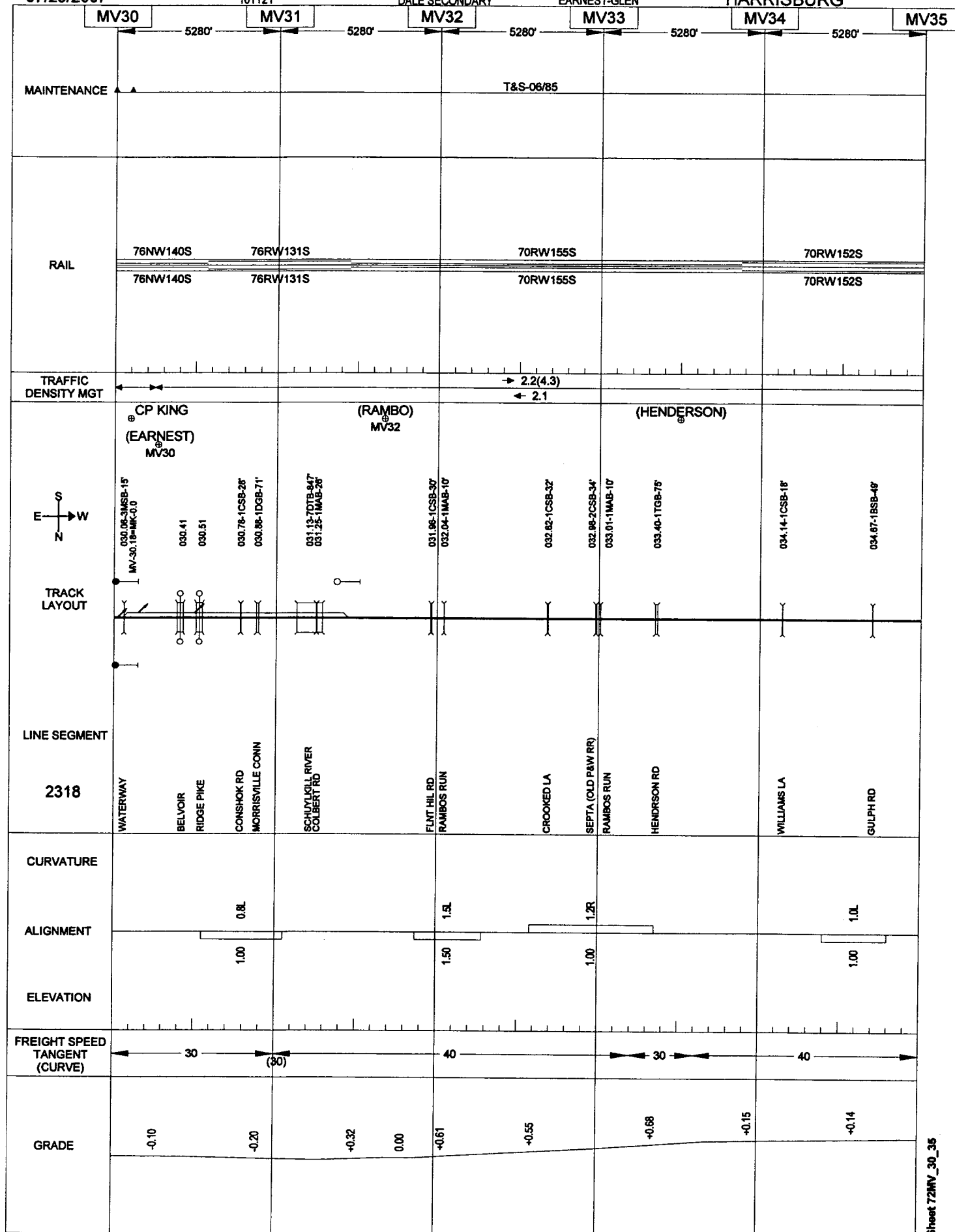
101121

106

DALE SECONDARY

EARNST-GLEN

HARRISBURG



07/25/2007

101121

107  
DALE SECONDARY

EARNEST-GLEN

HARRISBURG

MV35

MV36

MV37

MV38

MV39

MV40

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-06/85

RAIL

70RW152S

70RW152S

70RW155S

71RW155S

70RW155S

71RW155S

TRAFFIC  
DENSITY MGT→ 2.2(4.3)  
← 2.1

(HOWELLVILLE)

TRACK  
LAYOUT034.97-1TGB-115'  
035.01-1CAB-25'

035.57

036.16-1TGB-34'

037.01

037.53  
037.55-1MAB-10'

038.04-1MAB-20'

038.70

038.17

039.64-1MAB-16'

039.84

LINE SEGMENT

2318

SCHYL XWAY  
ABRAMS RUN

P.E. SWITCH

WARNER RD

LR 543

W VALLEY RD

DEVON RD  
WATERWAY

LEWIS ROAD

CASSATT RD

HOWELLVILLE

WATERWAY

BEARHL RD

CURVATURE

ALIGNMENT

0.3R

1.00

ELEVATION

0.5R

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

40

GRADE

+0.32

-0.07

-0.45

+0.16

+0.10

07/25/2007

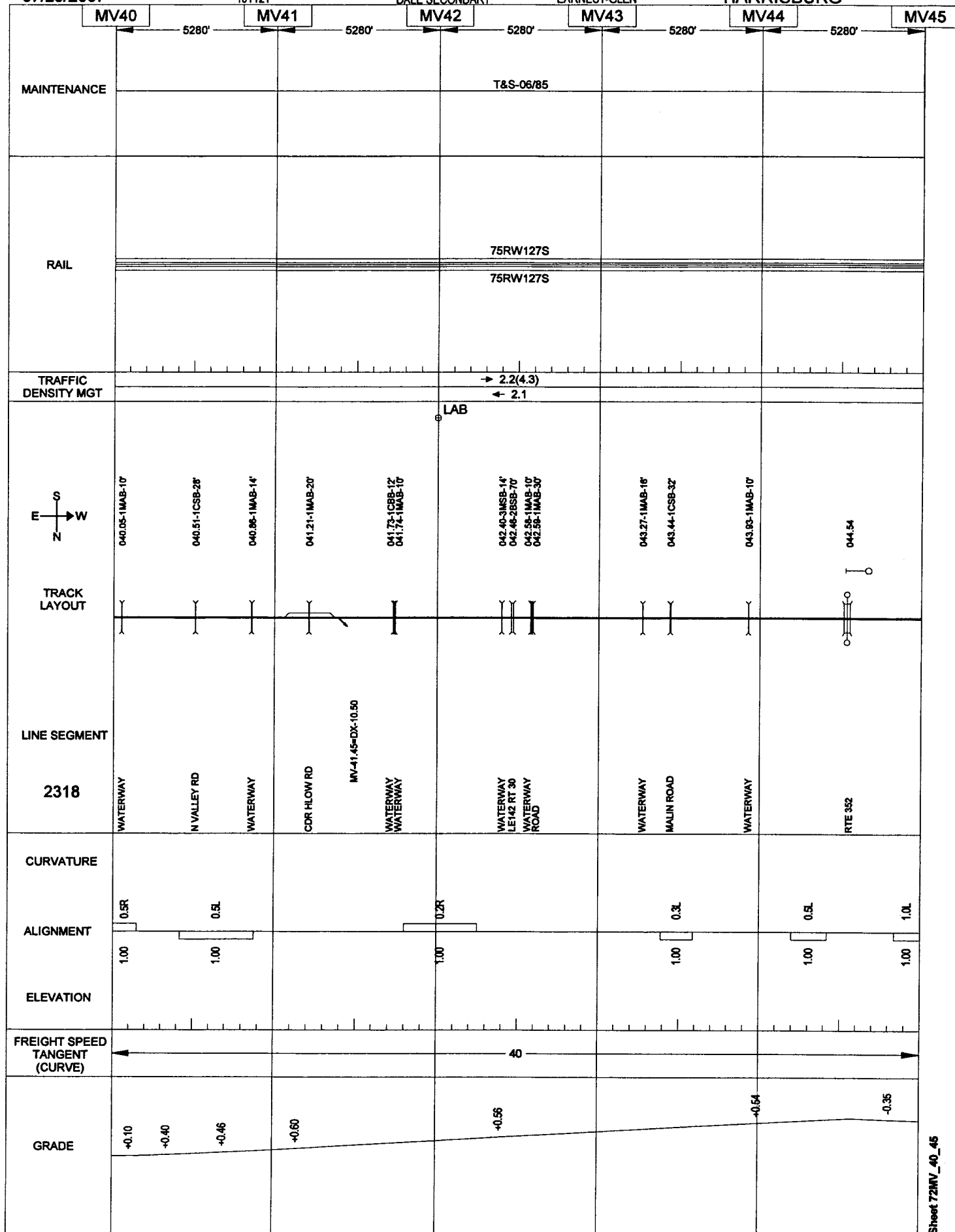
101121

108

DALE SECONDARY

EARNEST-GLEN

HARRISBURG



07/25/2007

101121

109

DALE SECONDARY

EARNEST-GLEN

HARRISBURG

MV45

MV46

5280'

MAINTENANCE

T&S-06/77  
S-06/80

RAIL

75RW127S

76RW127S

75RW127S

76RW127S

TRAFFIC  
DENSITY MGT

→ 2.2(4.3)

← 2.1

DALE

GLEN

S  
E → W  
NTRACK  
LAYOUT045.35  
045.65-1 MAG-19'

LINE SEGMENT

2318

AMTRAK RR

RAVINE RD

TO AMTRAK

CURVATURE

ALIGNMENT

1.0L

1.0R

1.0R

1.00

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

30

GRADE

-0.35



07/25/2007

100330

110  
NORRISTOWN & M.L. CONN.

KALB-CP NORRIS

HARRISBURG

HN18

5280'

T&amp;S-06/88

MAINTENANCE

RAIL

92RW131S

92RW131S  
92RW131S  
92RW131S

92RW131S

TRAFFIC  
DENSITY MGT

5.6(11.0)

5.4

8120

TRACK  
LAYOUT

KALB

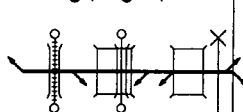
CP ISLAND  
HN18

CP NORRIS

017.28  
017.50-100GO-730' (81)  
017.55

017.56-80GO-657' (83)

TO SEPTA



LINE SEGMENT

2495

PHILA &amp; WESTERN RR

SCHUYLKILL RIVER  
TR 202SCHUYLKILL RIVER  
PRIVATE

HN-18.0-HP-18.14

CURVATURE

ALIGNMENT

ELEVATION

5.3L  
1.005.0R  
1.00FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.29

-0.09

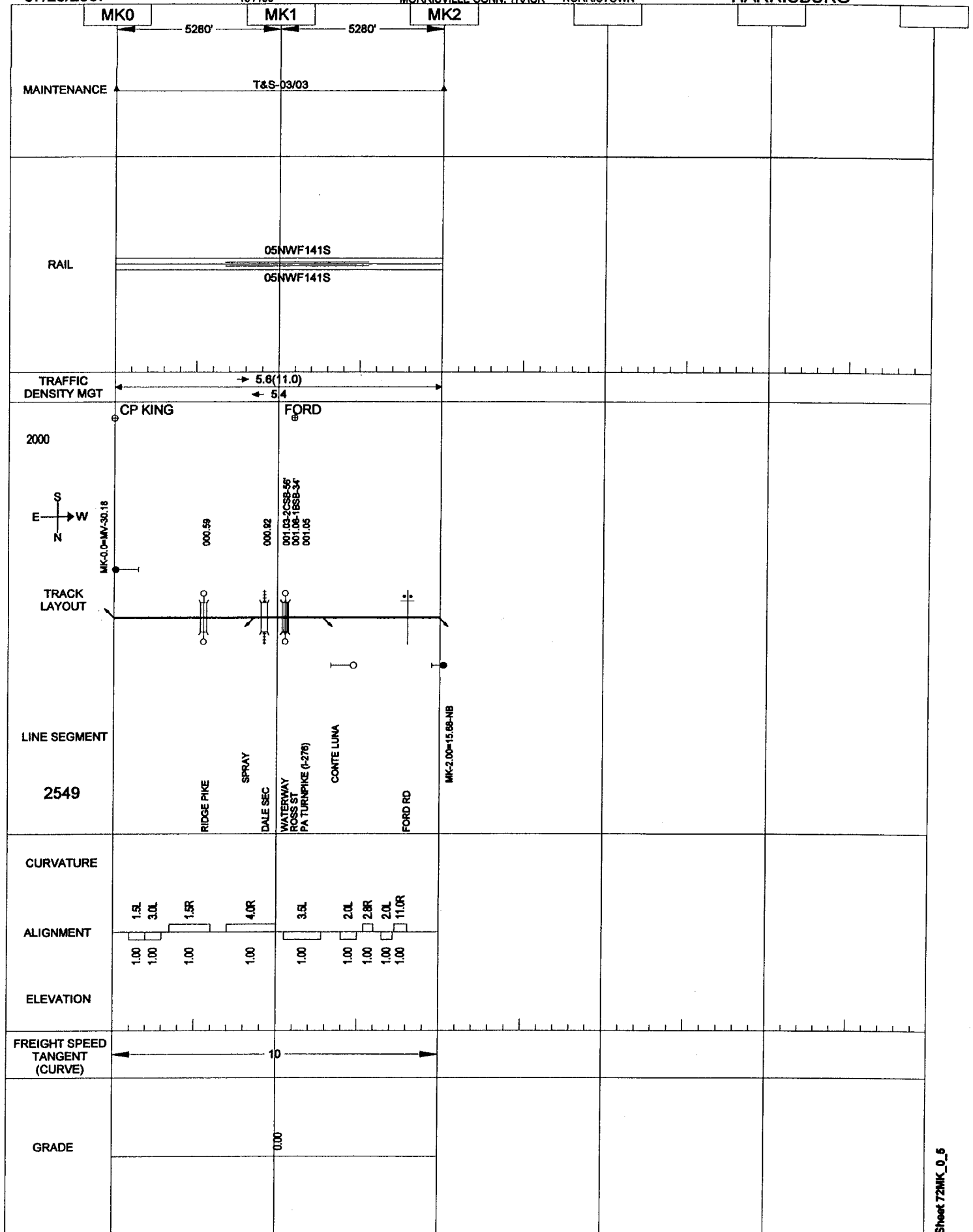
0.00

07/25/2007

101190

111  
MORRISVILLE CONN. TRACK NORRISTOWN

HARRISBURG



07/25/2007

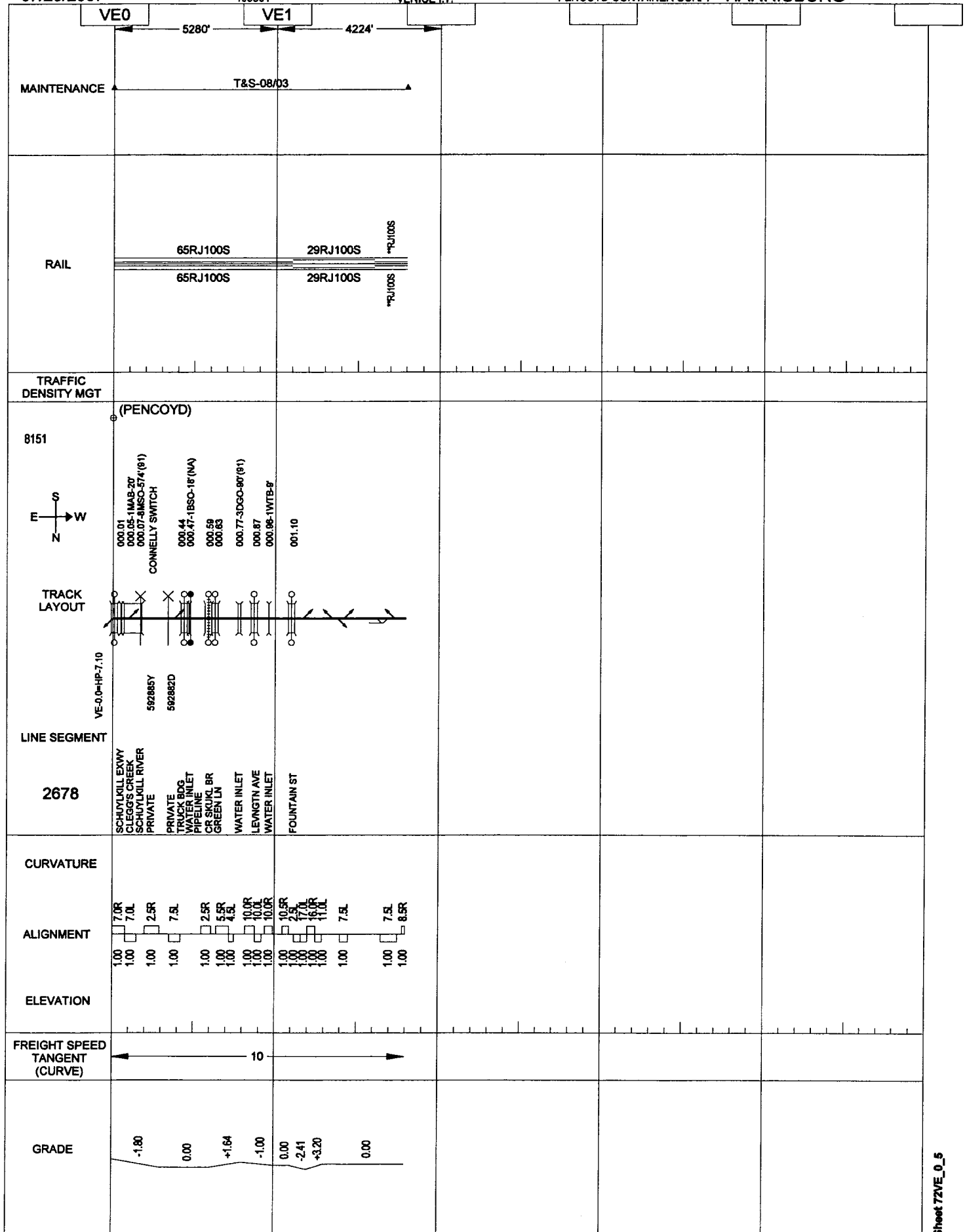
100361

112

VENICE I.T.

PENCOYD-CONTAINER CORP.

HARRISBURG



07/25/2007

100388

113

NORTH ABRAMS I.T.

ABRAMS-SEARS

HARRISBURG

QU0

5280'

QU1

2904'

MAINTENANCE

RAIL

61RJ130S

61RJ130S

TRAFFIC  
DENSITY MGT

8151



QU-0.0+HP-20.35

000 85-2 DGO-76'

(KING OF PRUSSIA)  
QU2TRACK  
LAYOUT

LINE SEGMENT

2609

WASHUAC CK

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-1.76

0.00

+2.45

0.00

07/25/2007

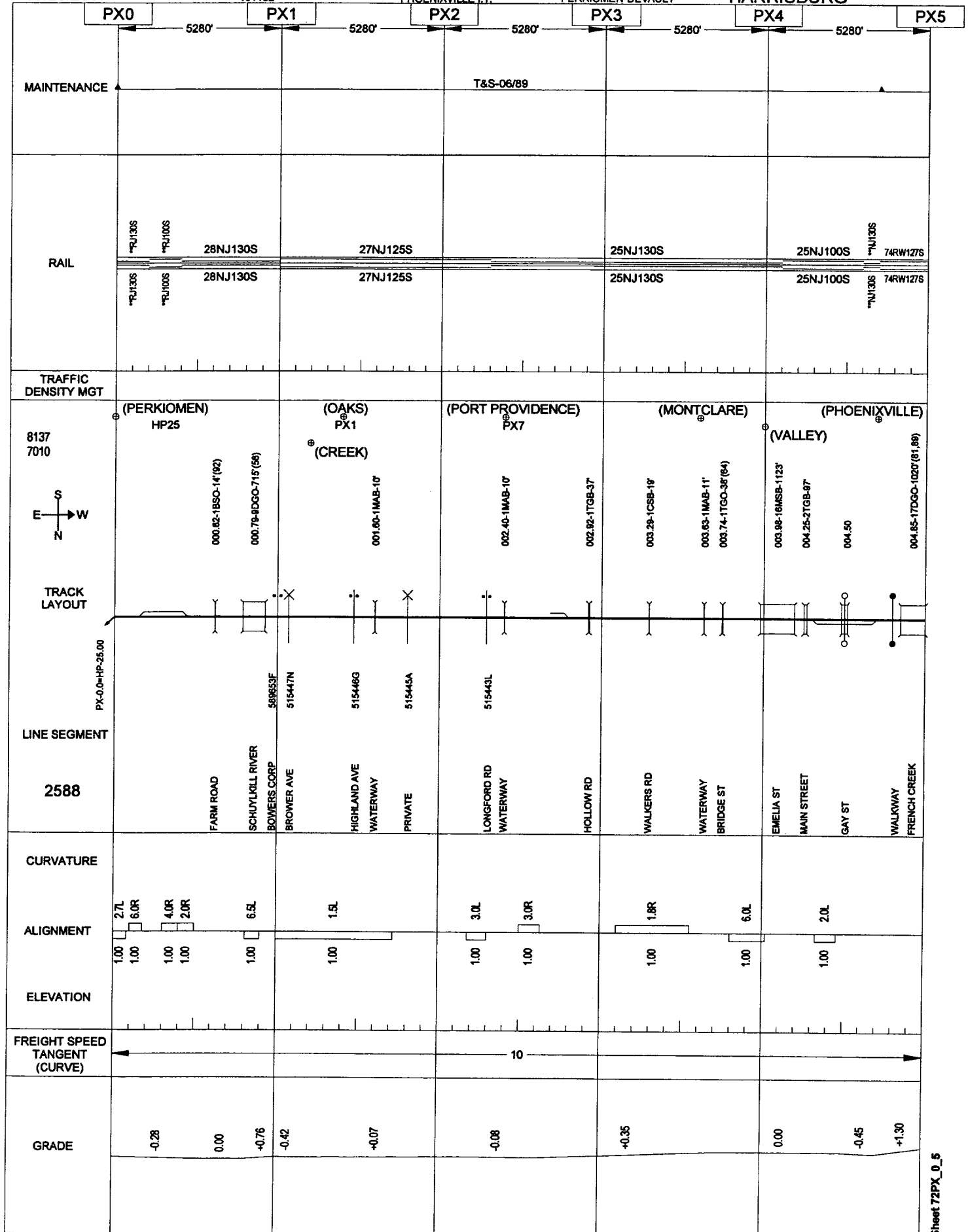
101152

114

PHOENIXVILLE I.T.

PERKIOMEN-DEVAULT

HARRISBURG



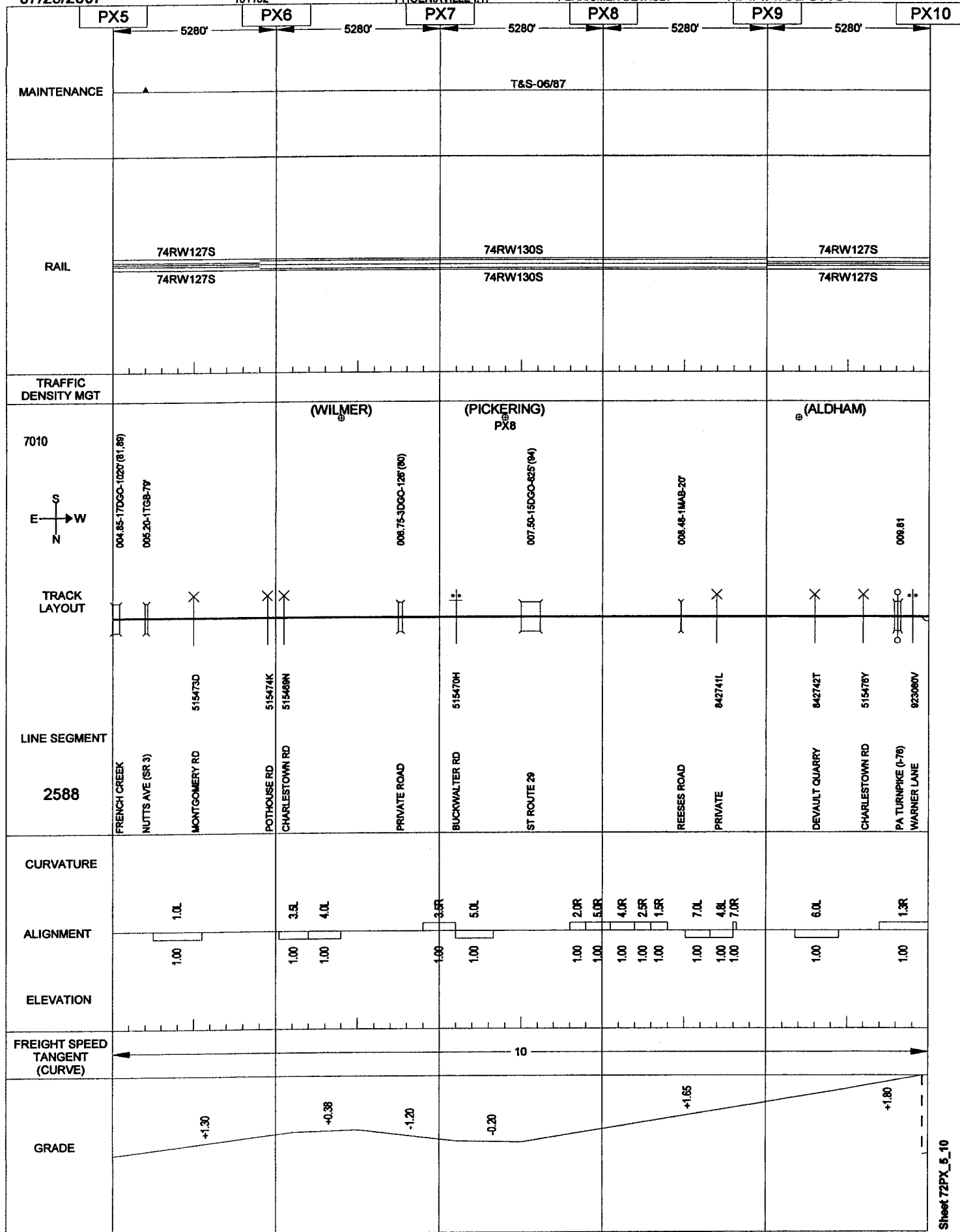
07/25/2007

101152

115  
PHOENIXVILLE I.T.

PERKIOMEN-DEVAULT

HARRISBURG



07/25/2007

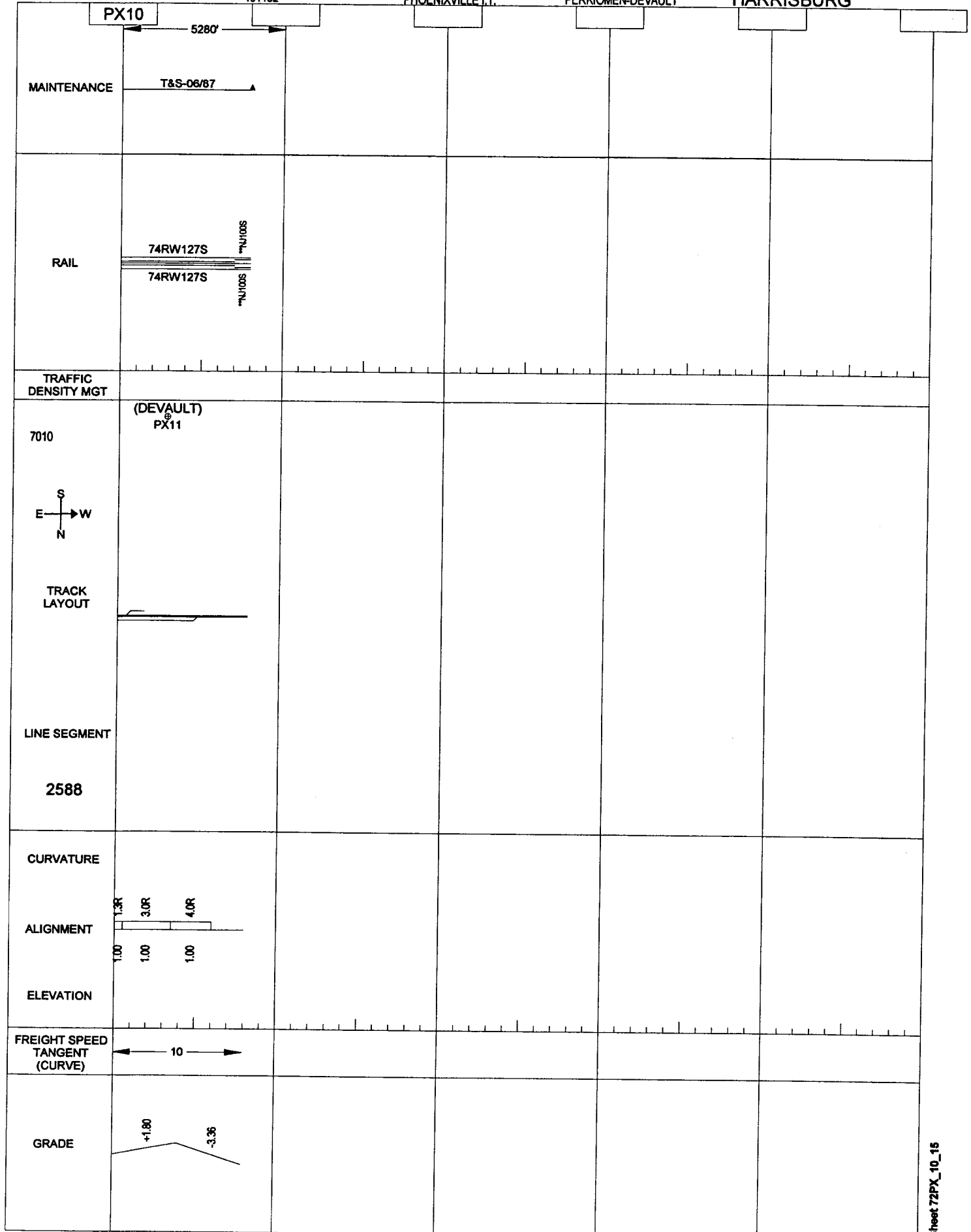
101152

116

PHOENIXVILLE I.T.

PERKIOMEN-DEVAULT

HARRISBURG



07/25/2007

101129

117  
POTTSTOWN I.T.

FRICKS LOCK-POTTSTOWN

HARRISBURG

EF38

EF39

EF40

5280'

5280'

5308'

MAINTENANCE

RAIL

\*\*UJ130S

\*\*UJ12S

25UJ130S

\*\*UJ130S

25UJ130S

TRAFFIC  
DENSITY MGT

7010

TRACK  
LAYOUT(LOCK)  
EF38038.12  
038.21

039.06-1MAB-15'

039.50-1MAB-15'  
039.61-1CSB-28'

531767E

531768X

531765R

LINE SEGMENT

2462

BYPASS  
FIRESTONE CO

MOSEY RD

WELLS RUN  
KEIM STIRON CO  
WATER ST  
HUBLEY'S RUN  
IND HWY

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

0.5L  
1.003.0R  
1.001.0R  
1.00

10

0.00

-0.40

0.00



07/25/2007

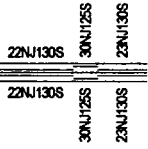

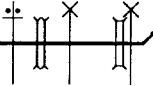
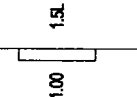
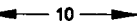

101129

118

POTTSTOWN I.T.

FRICKS LOCK-POTTSTOWN

HARRISBURG

MAINTENANCE	EF40 5256'				
RAIL					
TRAFFIC DENSITY MGT					
7010    TRACK LAYOUT    LINE SEGMENT  2462	(POTTSTOWN) EF40 (COLEBROOKDALE)  040.17-1WAB-12' 040.20-1WAB-12' 040.40-9CSB-156' EF-40.90-HP-41.00  529778Y 507822G  HANOVER ST WATERWAY GABLES RACE PRIVATE MANTAWNY CR INDUSTRIAL HWY				
CURVATURE  ALIGNMENT  ELEVATION					
FREIGHT SPEED TANGENT (CURVE)					
GRADE					

07/25/2007

100322

119  
POTTSVILLE BR.

READING-CP BELT

HARRISBURG

FR59

FR60

5280'

5280'

MAINTENANCE

T&amp;S-06/06

RAIL

79RW131S

57N130S

96NW136S

79RW131S

96NW136S

TRAFFIC  
DENSITY MGT→ 9.0(17.9)  
← 8.9→ 7.6(15.3)  
← 7.7

8151

TRACK  
LAYOUT

CP WALNUT (READING)

CP OLEY

PIKE

058.64-1MPB-12

059.01-4MSB-67

FR-58.85/HP-58.95

TO READING YARD  
059.32-1CAB-57

TO YARD

LINE SEGMENT

2393

FR-58.60-HP-58.60

SEWER

OLEY ST

SPRING ST

11TH ST I.T.

CURVATURE

ALIGNMENT

ELEVATION

1.0R

1.0L

1.0R

2.5L

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

30

GRADE

+0.01

+0.16

07/25/2007

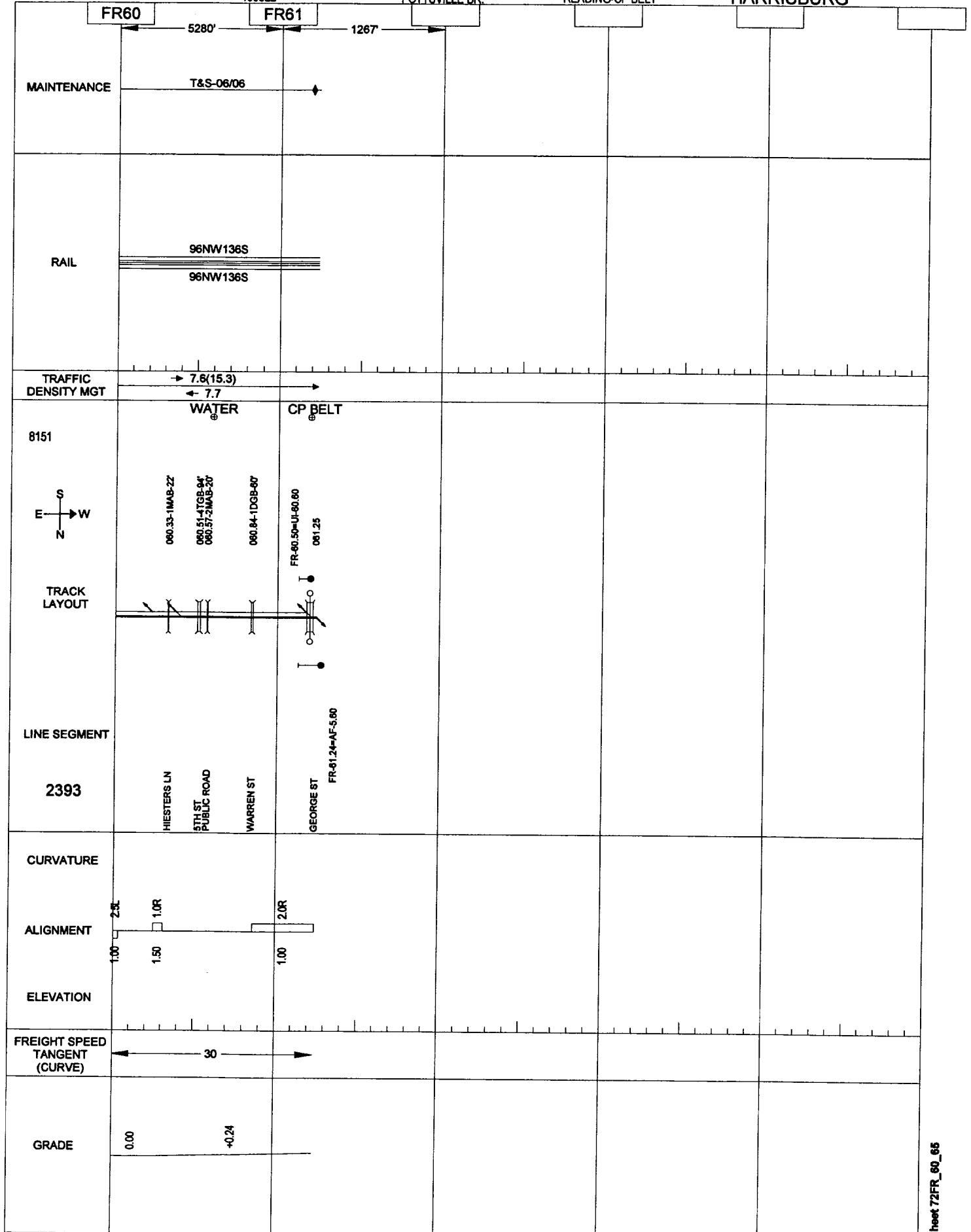
100322

120

POTTSVILLE BR.

READING-CP BELT

HARRISBURG



07/25/2007

101129

121  
READING I.T.

BIRDSBORO-GIBRALTER

HARRISBURG

EX50

4224'

T&amp;S-06/97

MAINTENANCE

RAIL

\*\*NJ100S 24NJ130S

\*\*NJ100S 24NJ130S

TRAFFIC  
DENSITY MGT

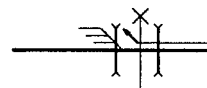
e (BIRDSBORO)

7010

TRACK  
LAYOUT

048.61-1MAB-24'

048.78-1CSB-24'



529751H

LINE SEGMENT

BIDLERS RUN  
CLINGAN RD  
CLINGAN RD

2471

CURVATURE

ALIGNMENT

ELEVATION

0.2  
1.00FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.09

-0.02

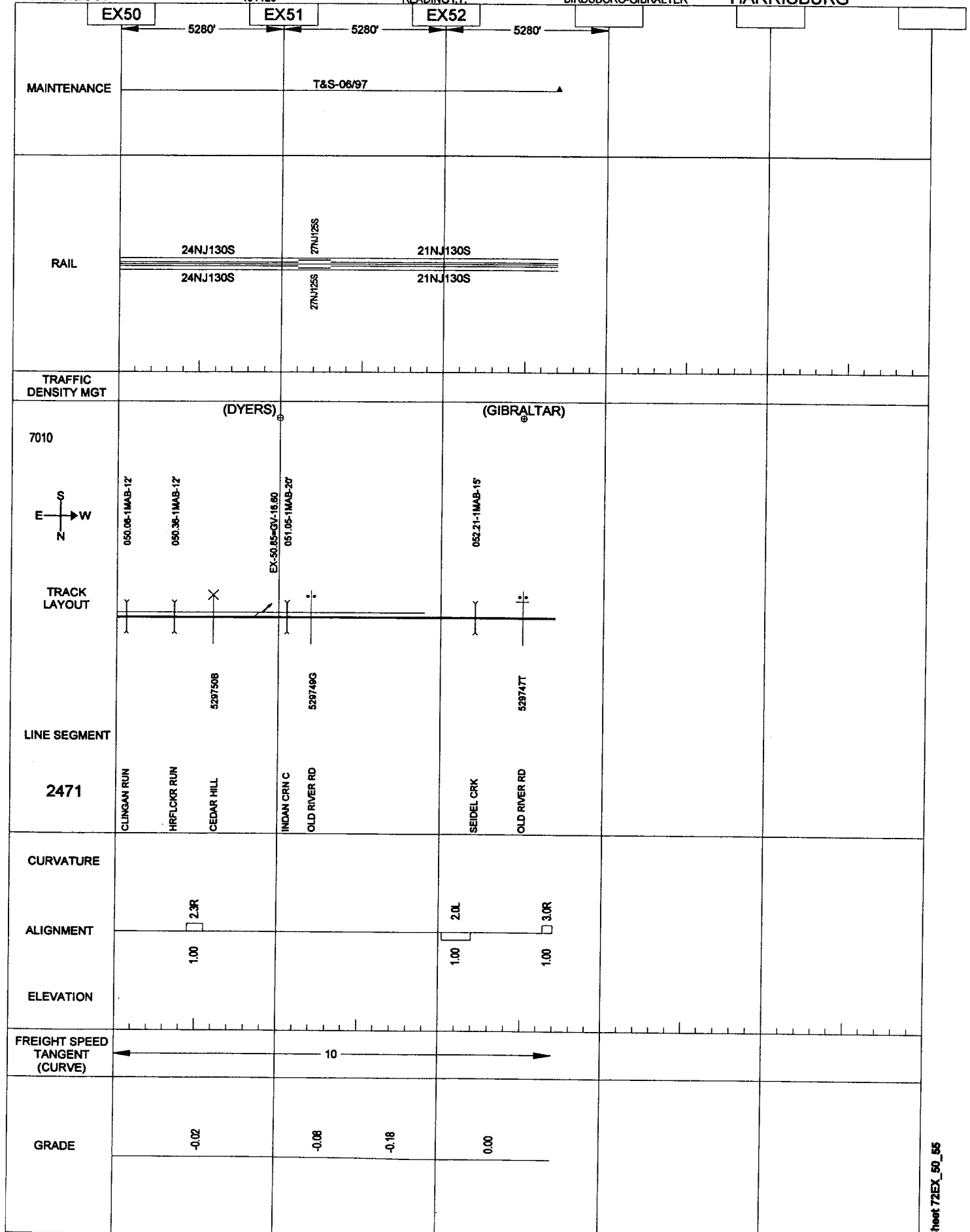
07/25/2007

101129

122  
READING I.T.

BIRDSBORO-GIBRALTER

HARRISBURG



07/25/2007

101129

123  
READING I.T.

READING

HARRISBURG

UI59

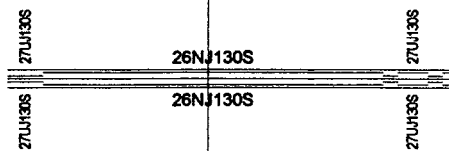
UI60

5280'

5280'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

7010

TRACK  
LAYOUT

(READING)

058.61

058.97

056.78

COURT ST IT

BUTTONWOOD ST

HARRISBURG LINE

DANA CORP.

SCHUYLKILL AVE  
PRIVATE

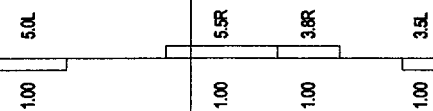
LINE SEGMENT

2654

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

-0.32

07/25/2007

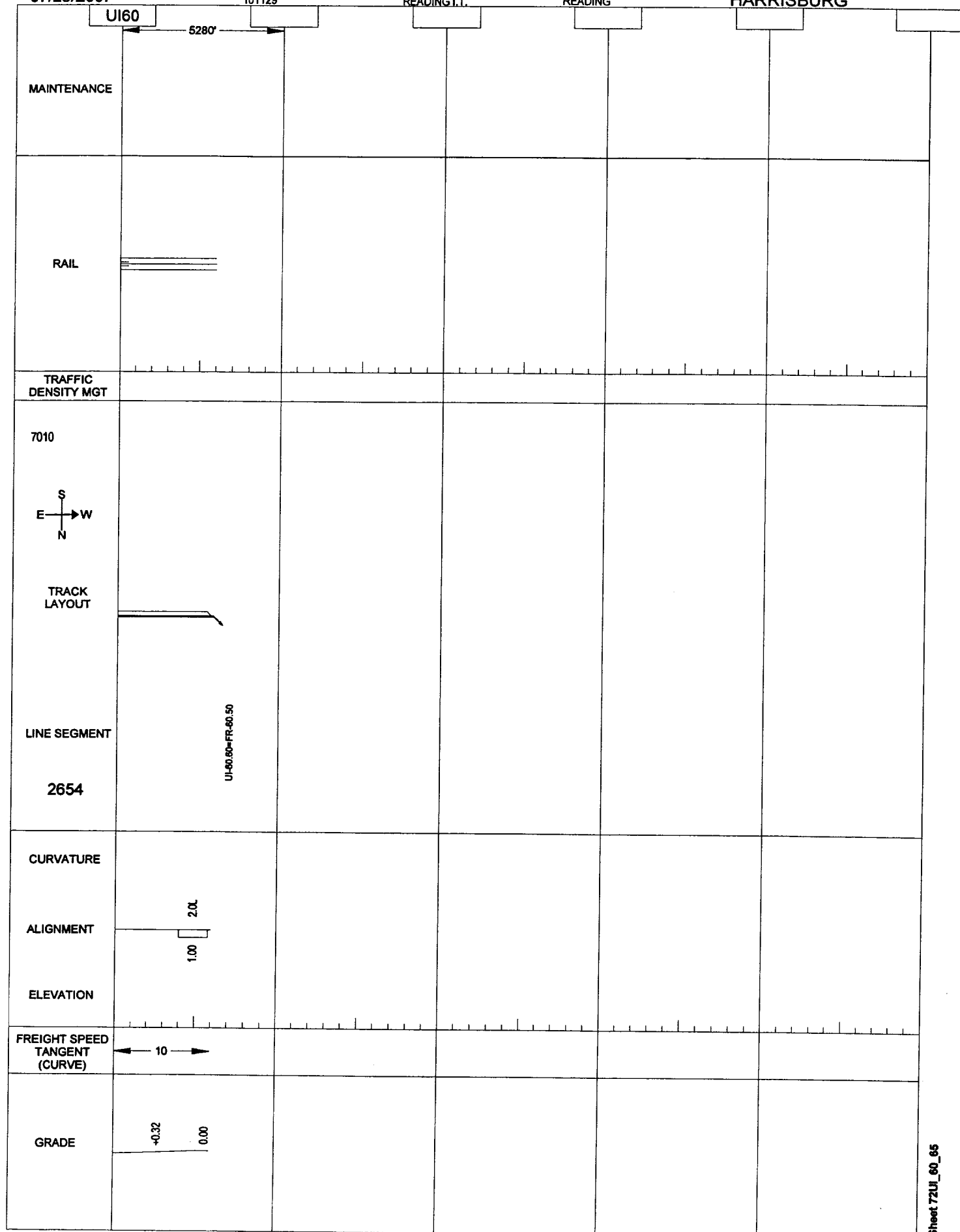
101129

124

READING I.T.

READING

HARRISBURG



07/25/2007

100310

125  
CORNWALL I.T.

WALL-ZINNS MILL

HARRISBURG

MAINTENANCE

2640'

RAIL

27R.J.F.130S  
27R.J.F.130S  
27R.J.F.100S  
27R.J.F.100S

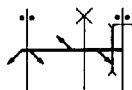
TRAFFIC  
DENSITY MGT

8171

CP WALL  
ZWO

E  
N → S  
W

000.88-1CBB-12

TRACK  
LAYOUT

LINE SEGMENT

2915

ZW-0.50-HP-37.48  
16TH ST  
591525X  
WILLOW ST  
591527L  
WATERWAY  
CUMBERLAND ST  
591528T

CURVATURE

ALIGNMENT

8.0R

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00



07/25/2007

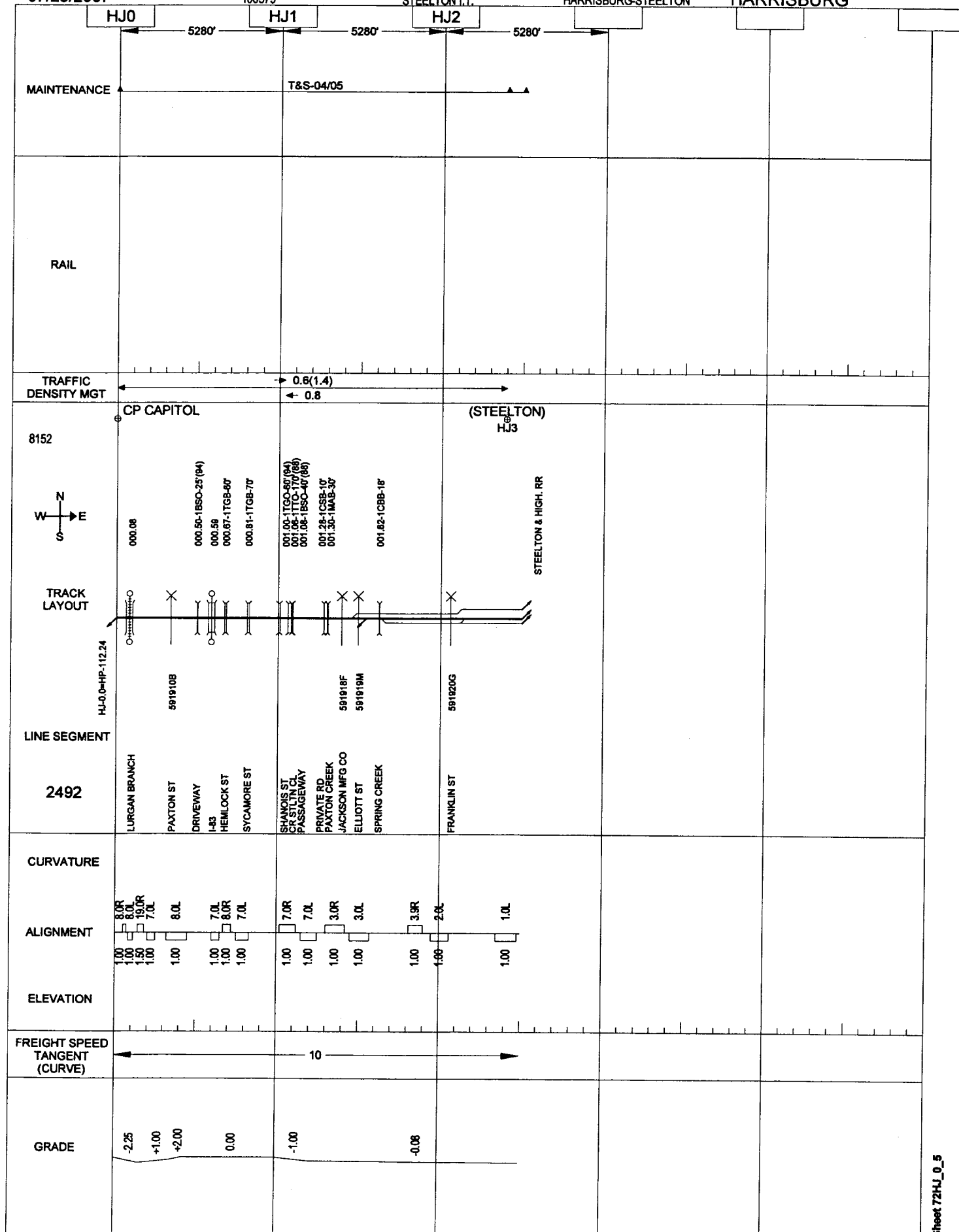
100379

126

STEELTON I.T.

HARRISBURG-STEELTON

HARRISBURG



07/25/2007

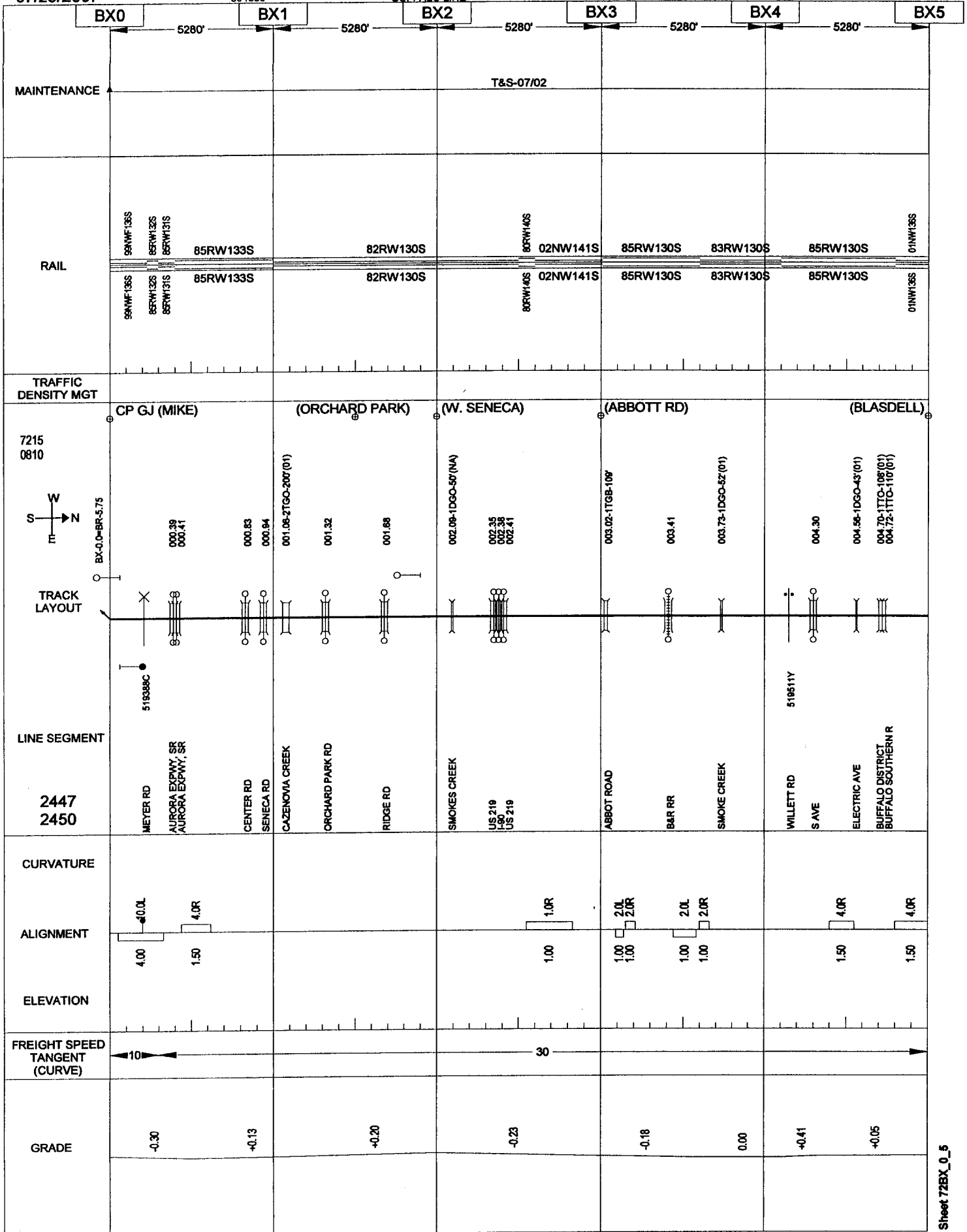
304853

127

BUFFALO LINE

EBENEZER-BLASDELL

HARRISBURG



07/25/2007

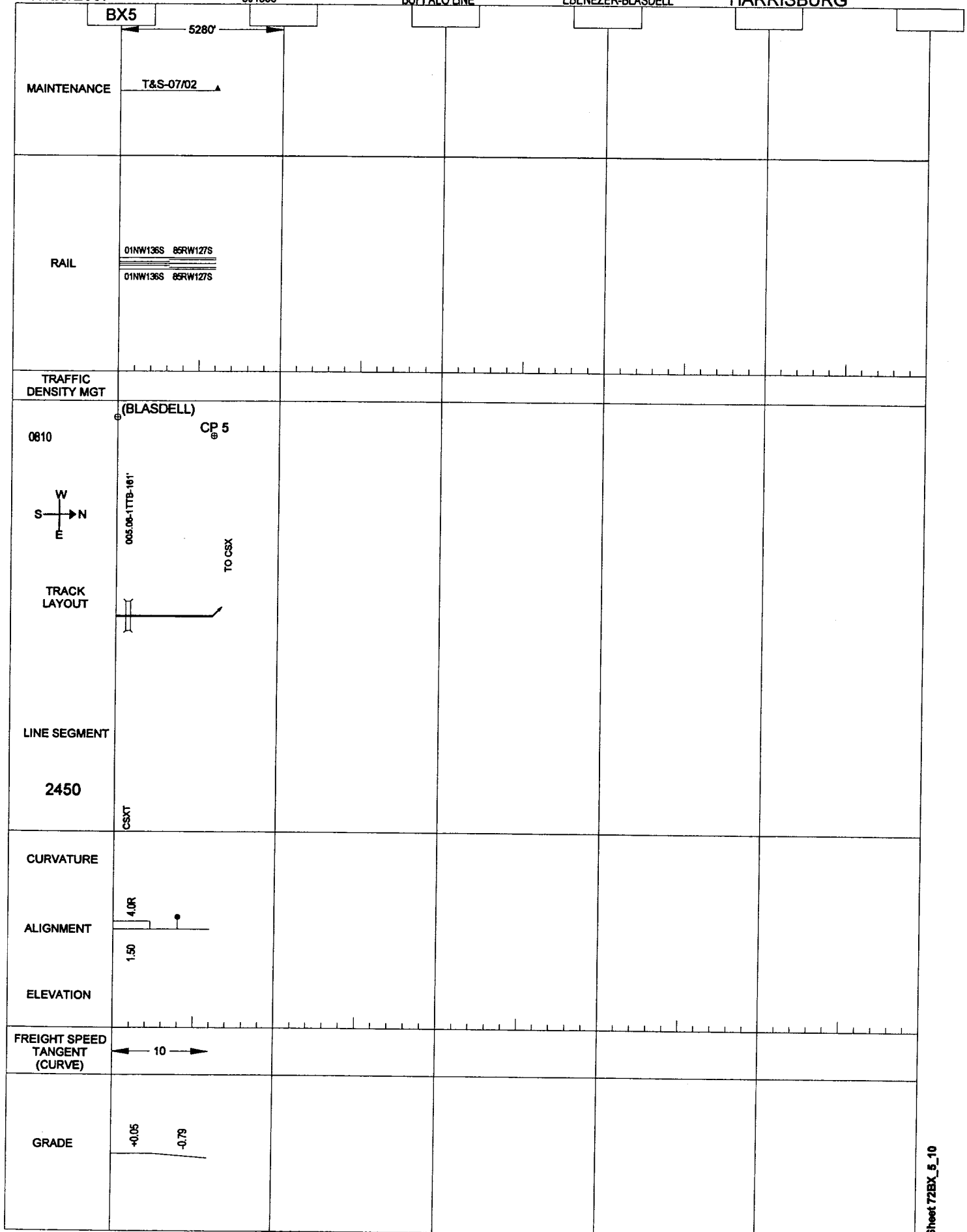
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128

BUFFALO LINE

EBENEZER-BLASDELL

HARRISBURG



07/25/2007

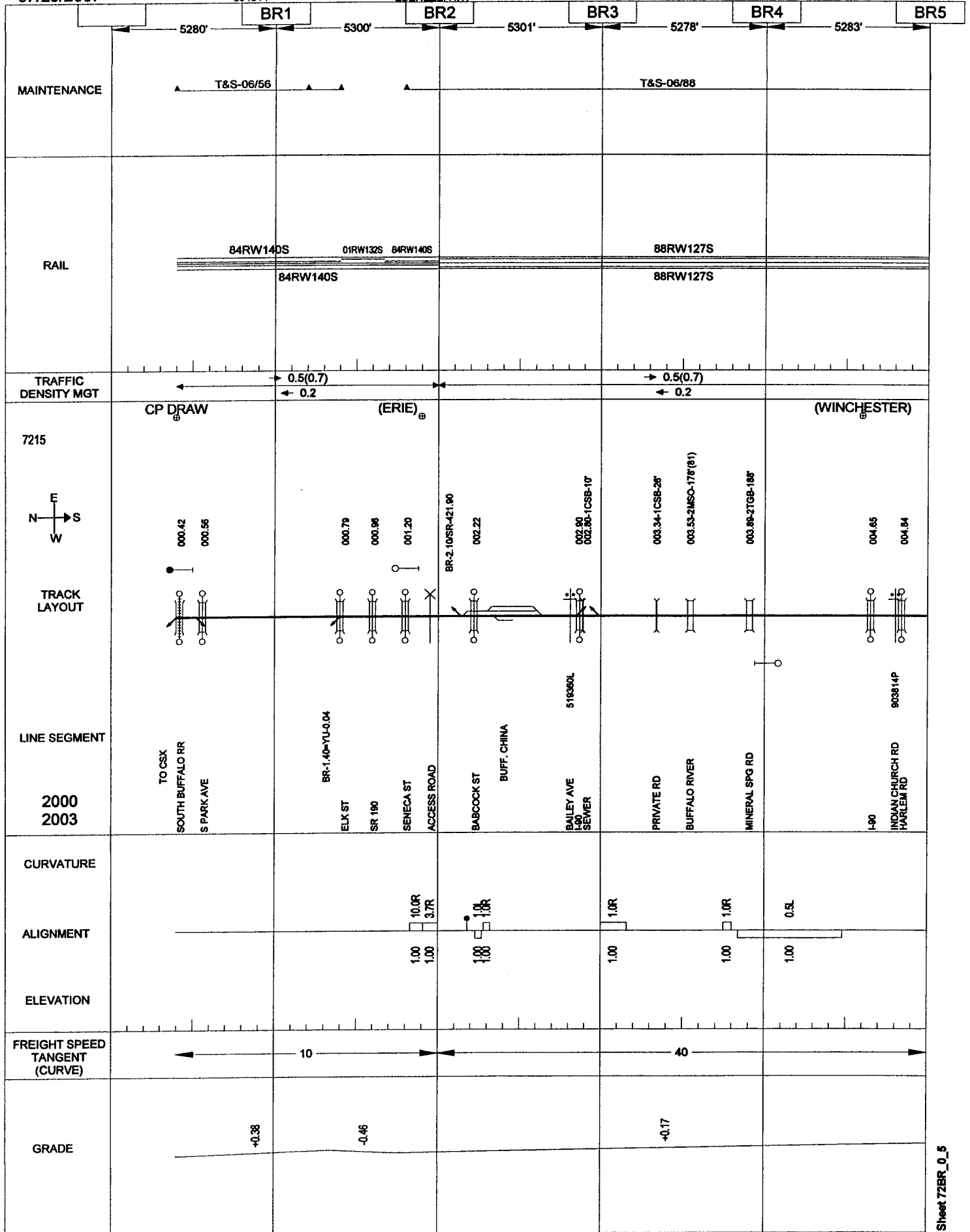
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129

EBENEZER I.T.

CP DRAW-EBENEZER

HARRISBURG



07/25/2007

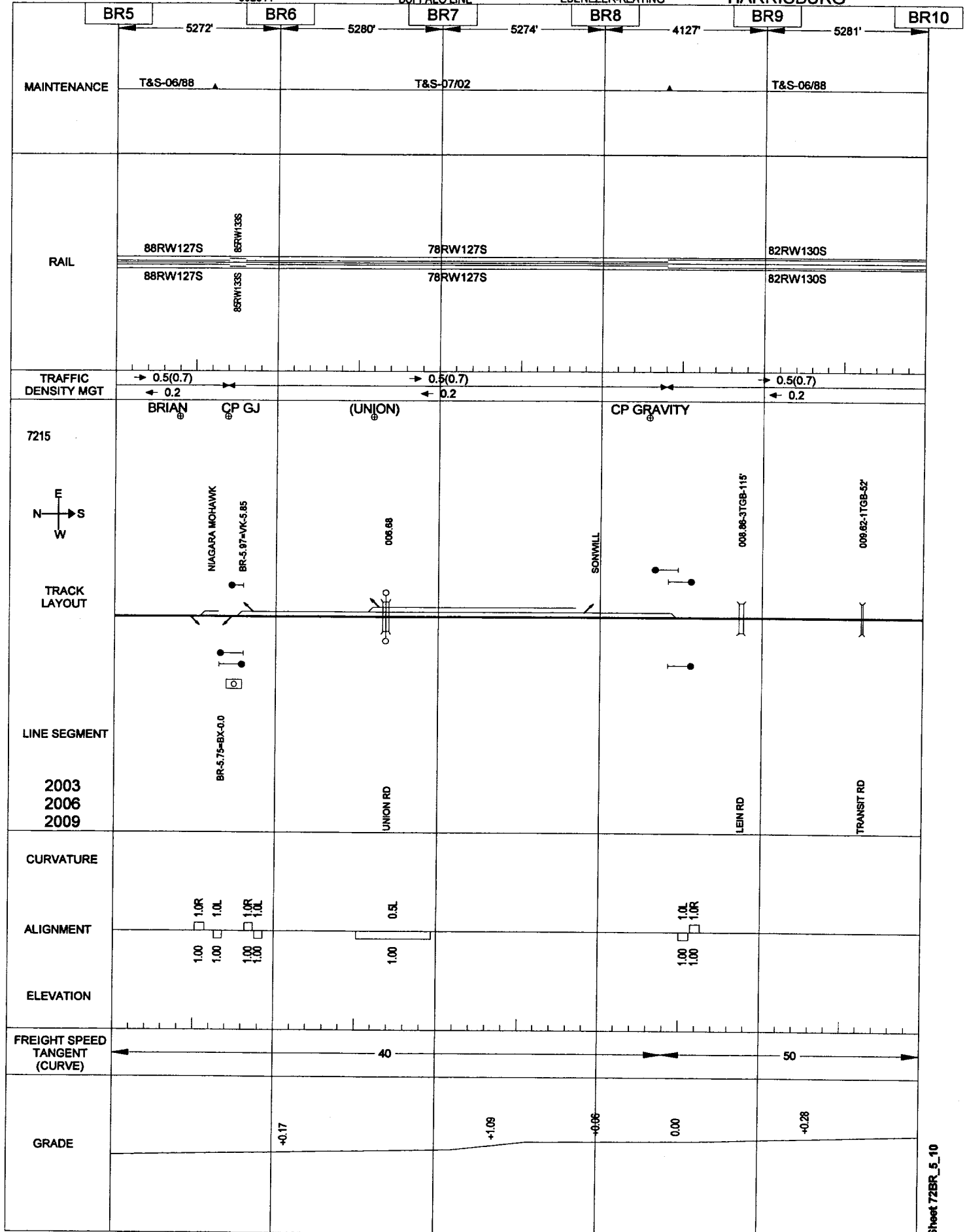
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130

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

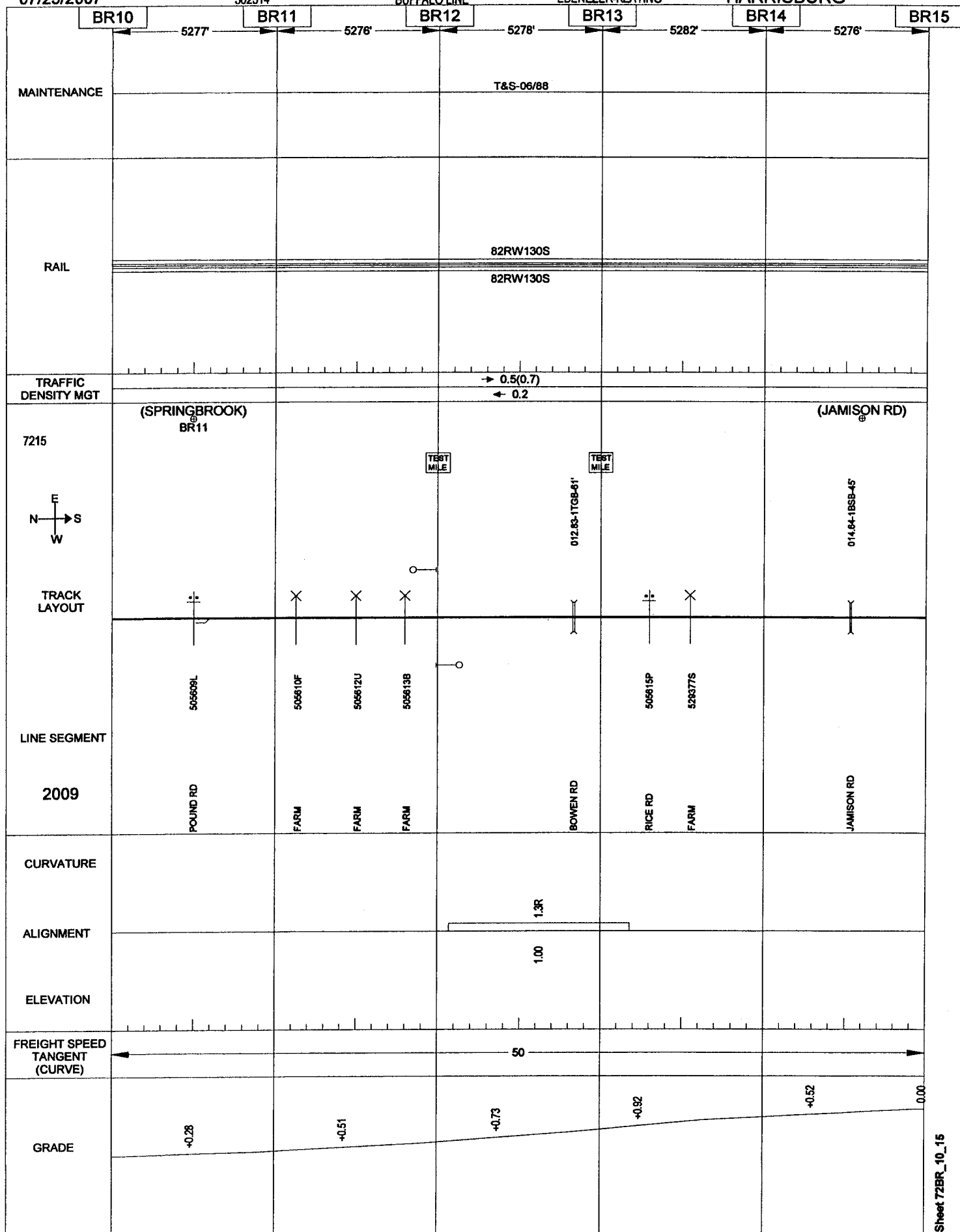
302314

131

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

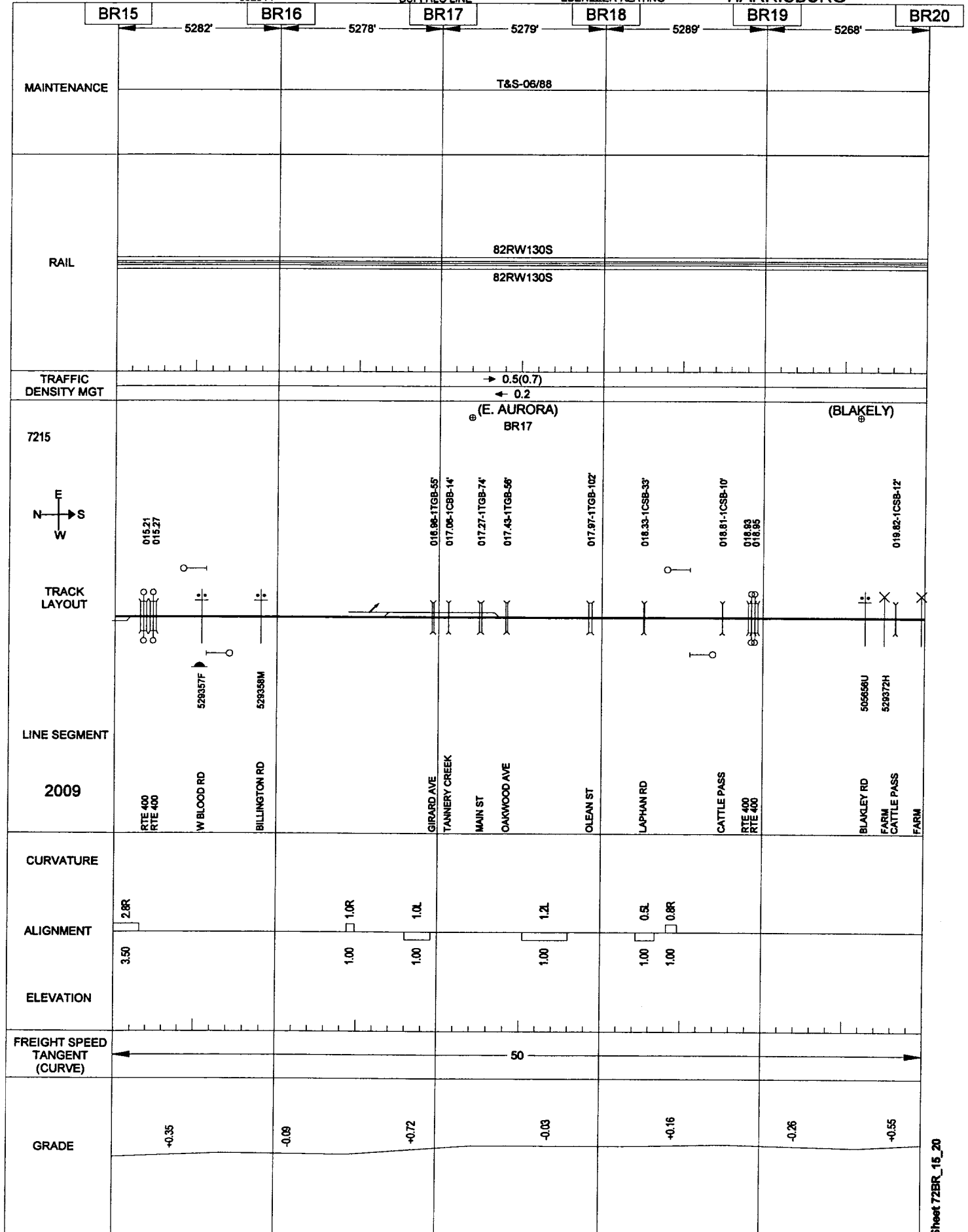
302314

132

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

302314

133

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG

BR20

BR21

BR22

BR23

BR24

BR25

5299'

5250'

5282'

5281'

5278'

MAINTENANCE

T&amp;S-06/88

RAIL

82RW130S

80RW127S

82RW130S

80RW127S

TRAFFIC  
DENSITY MGT→ 0.5(0.7)  
← 0.2

7215



CP WALES

CP PERRY  
BR25TRACK  
LAYOUT

X

X

Y

X

X

X

X

X

LINE SEGMENT

523370J

523369A

523368T

523364P

505657B

505658H

523367L

2009

FARM

FARM

WATERWAY

FARM

WATERWAY

FARM

EMERY

WARNER HILL RD

(FARM ROAD)

CURVATURE

ALIGNMENT

1.8R

2.0L

0.7L

0.8R

0.6L

0.5R

1.1R

ELEVATION

2.00

2.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

+0.55

+0.88



07/25/2007

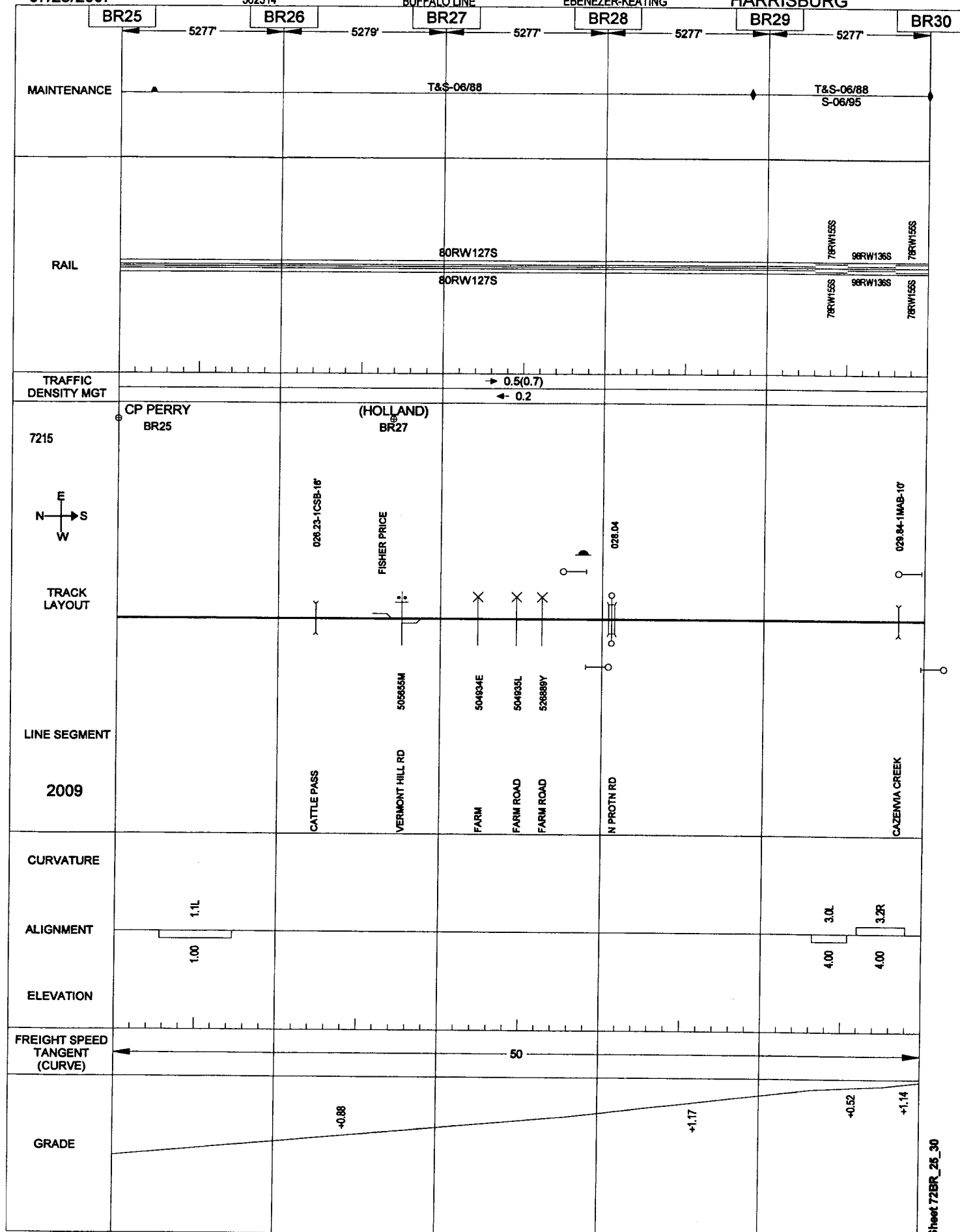
302314

134

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



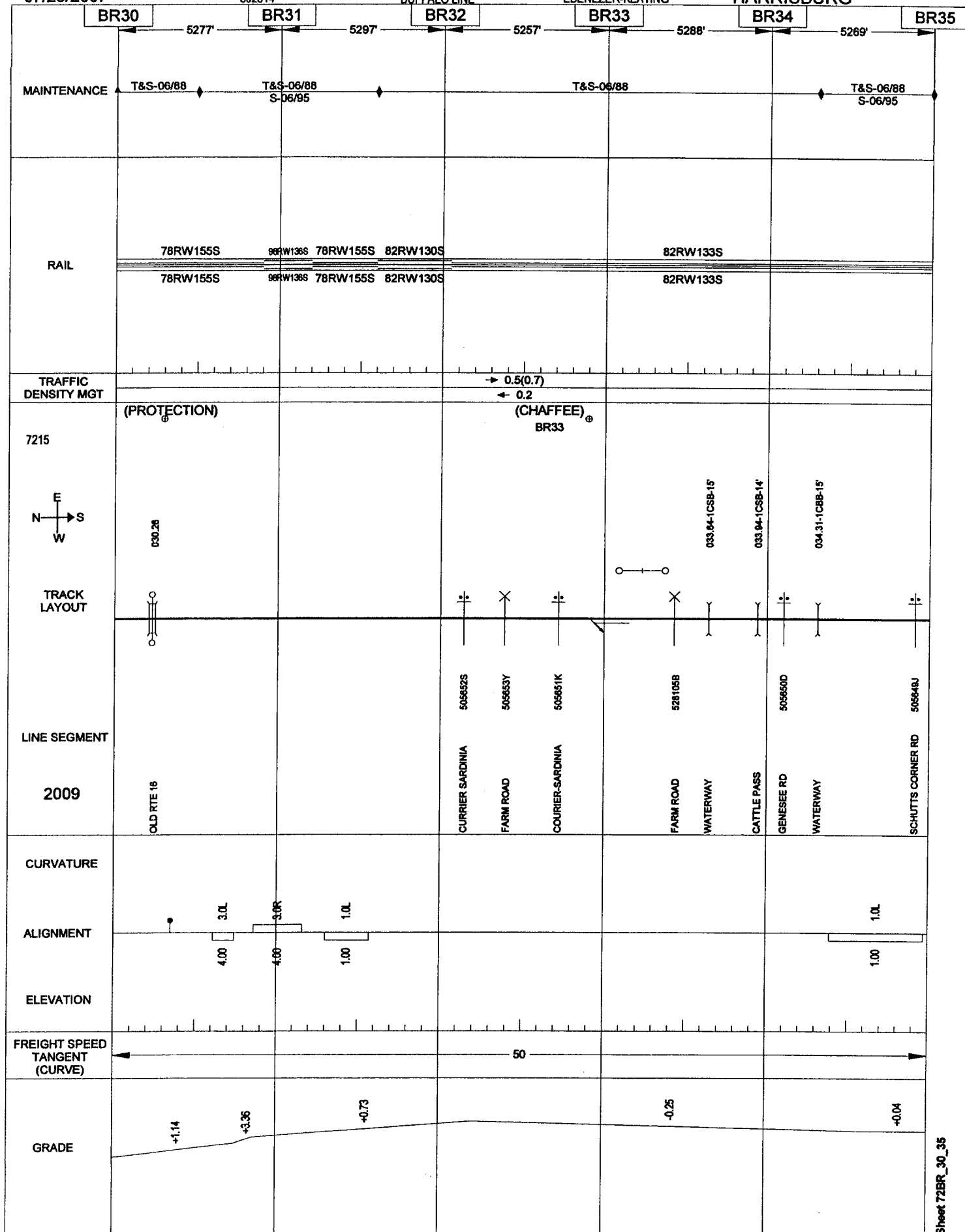
07/25/2007

302314

135  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

302314

136  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG

BR35

BR36

BR37

BR38

BR39

BR40

5282'

5280'

5282'

5278'

5271'

MAINTENANCE

T&S-06/88  
S-10/99

RAIL

82RW133S

82RW133S

TRAFFIC  
DENSITY MGT

→ 0.5(0.7)  
← 0.2

→ 0.5(0.8)  
← 0.3

7215

(ARCADE)  
BR36

(DELEVAN)  
BR39



035.28-1DGO-25'(01)

035.58-3MSC-197'(01)

035.73

TO ARCADE&ATICA RR

036.85-1CSB-14'

038.48-1CSB-22'

039.23-1TGB-43'

039.47-3MSC-188'(01)

TRACK  
LAYOUT

LINE SEGMENT

2009

BARBOUR RD

CATTARAUGUS CREEK

SR 39

PRIVATE

BARBOUR CATTLE PASS

529885W

529886D

529365X

WEAVER RD

505647V

CHEENEY RUN



505646N

CHURCH ST

DELEVAN ST

ELTON CREEK

CURVATURE

ALIGNMENT

ELEVATION

3.0R

3.1R

4.00

4.00

0.5L

1.00

0.5R

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

-0.04

-0.21

-0.35

-0.34

-0.11

-0.36

+1.26

-0.79

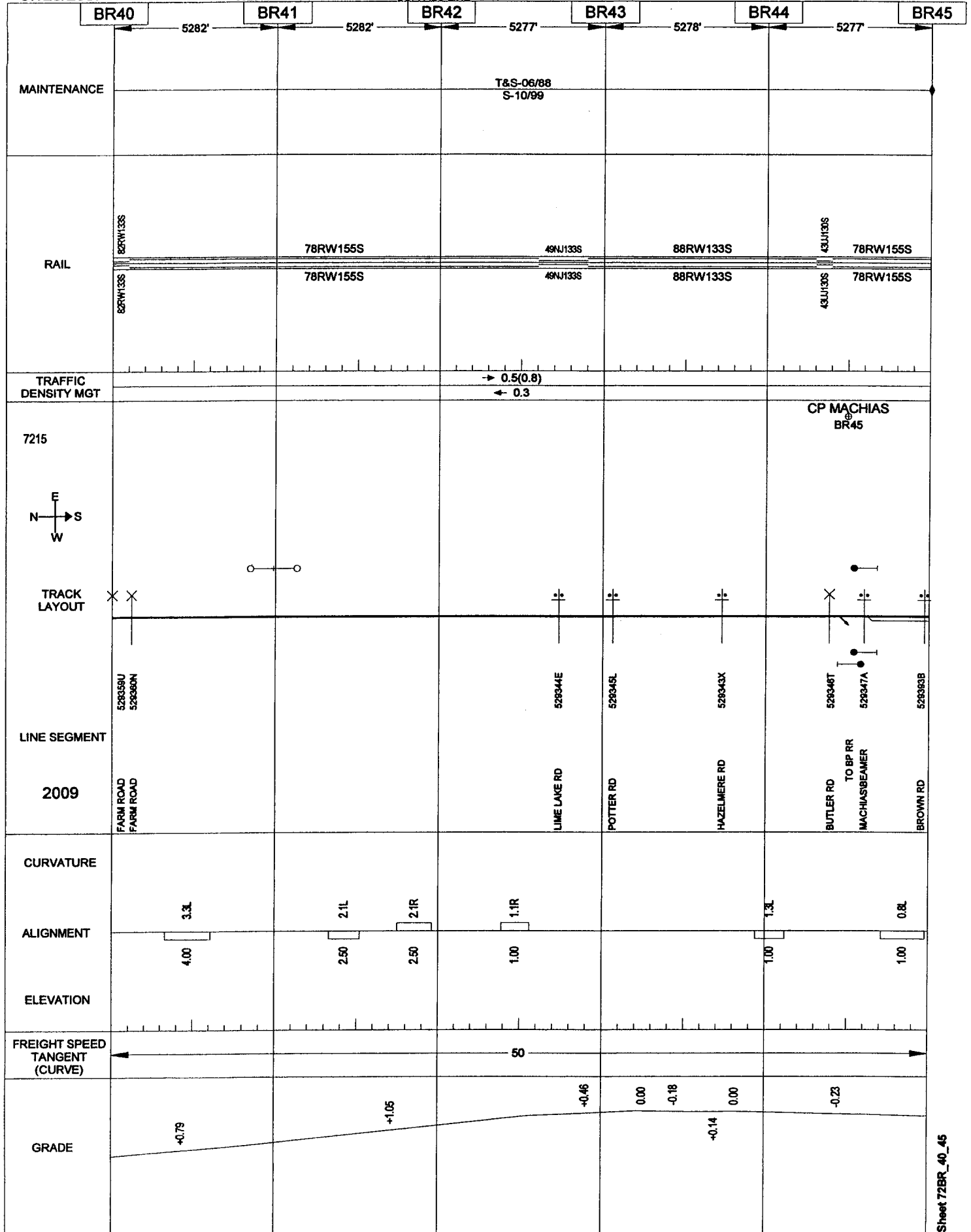
07/25/2007

302314

137  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



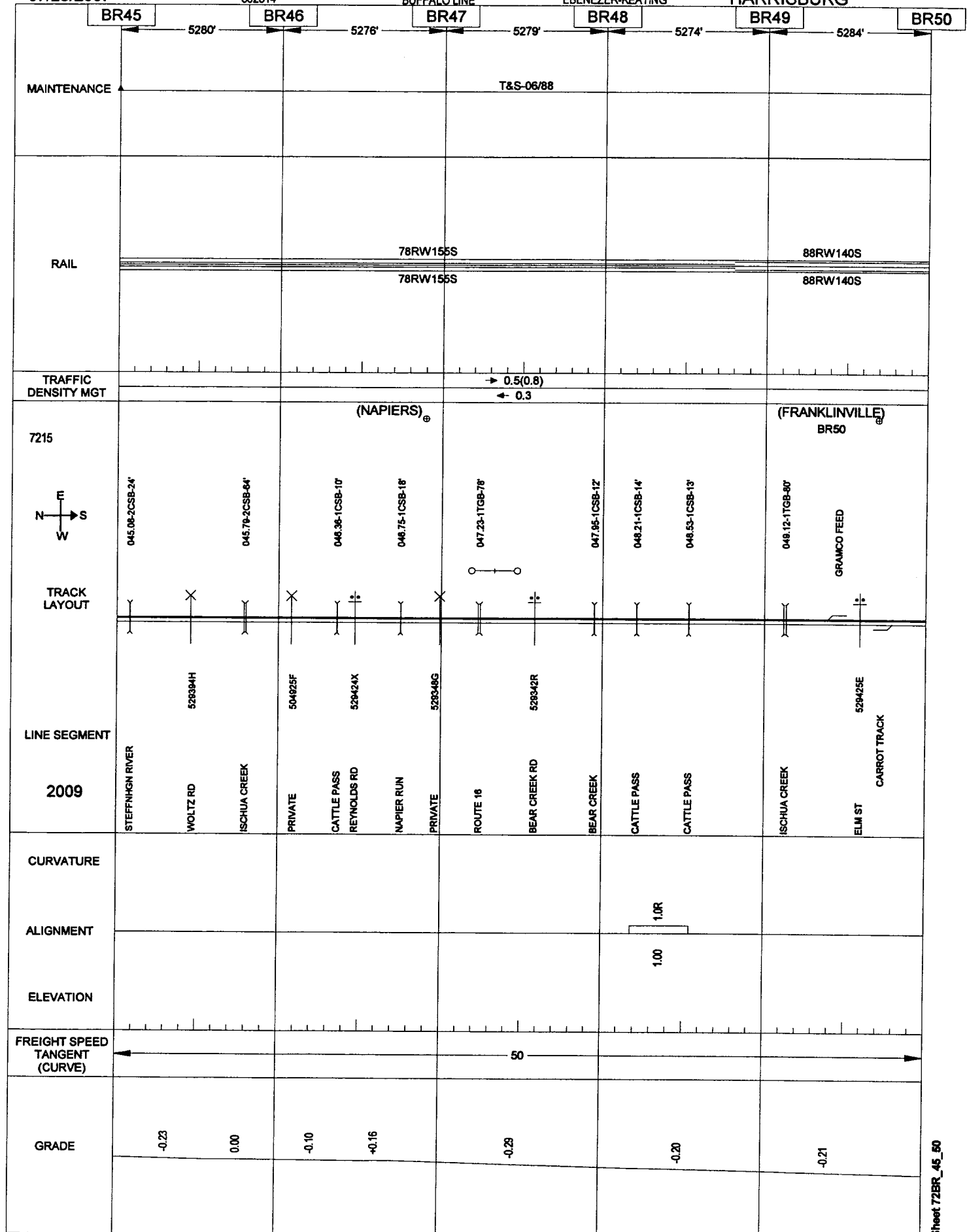
07/25/2007

302314

138  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

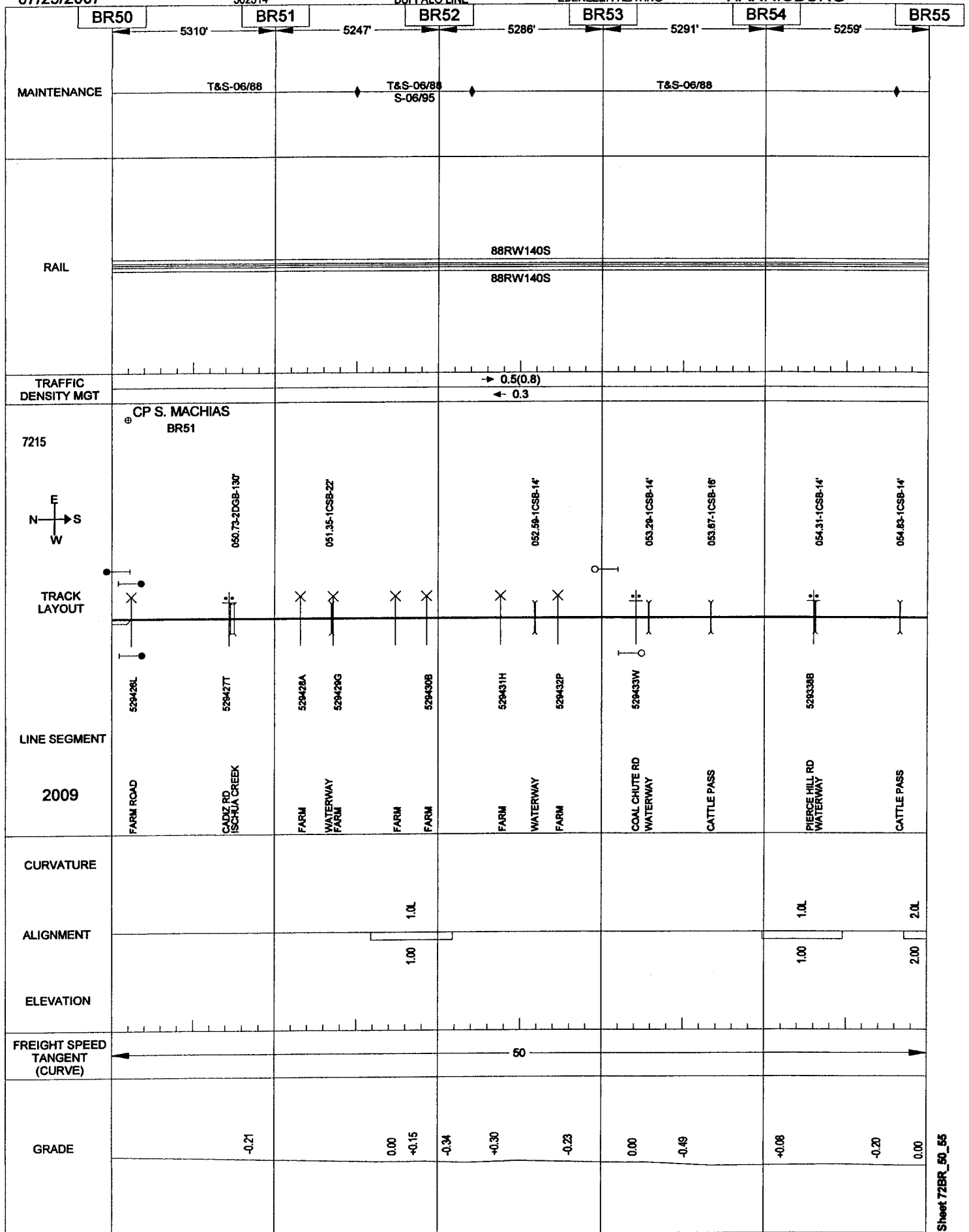
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139

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

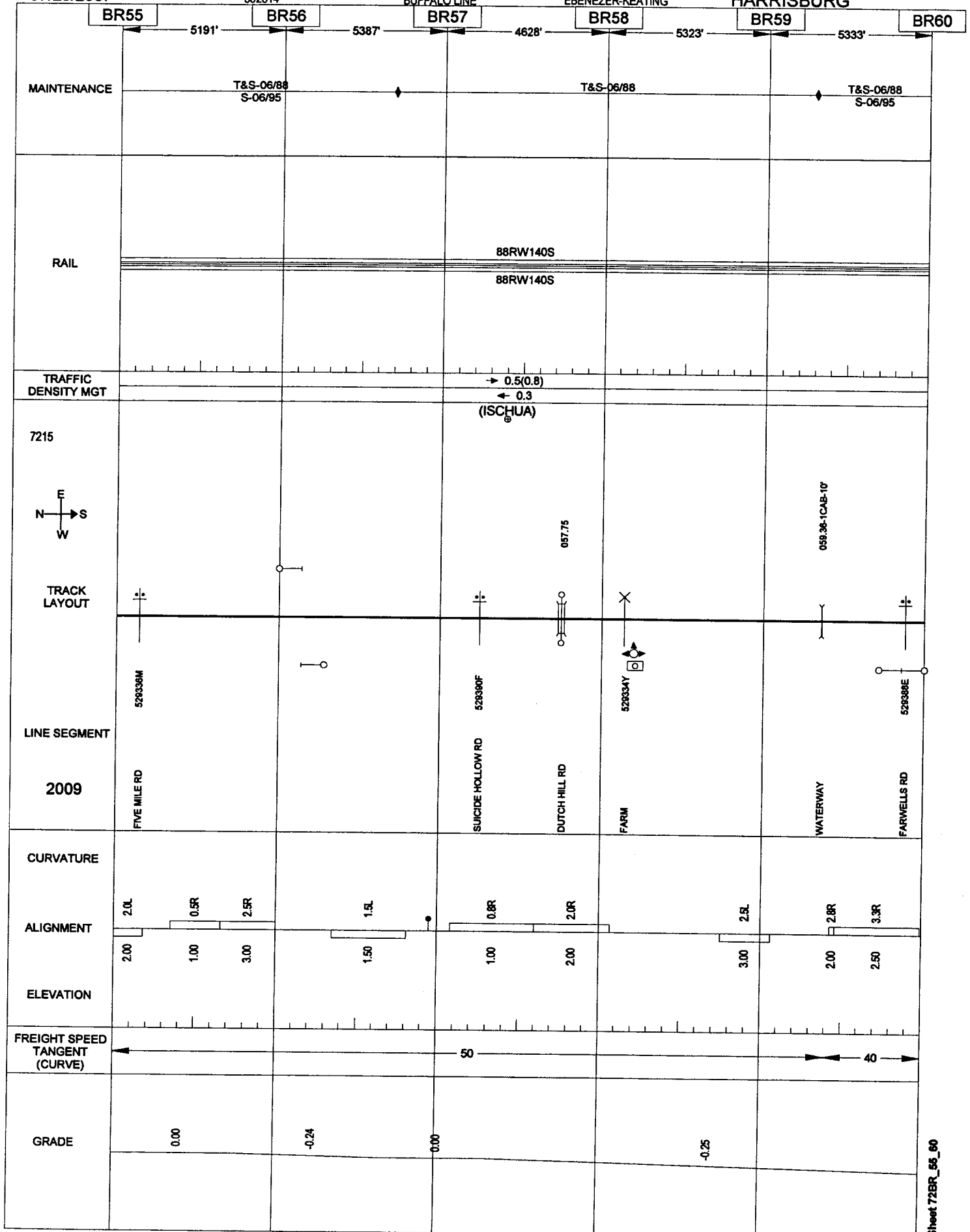
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140

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



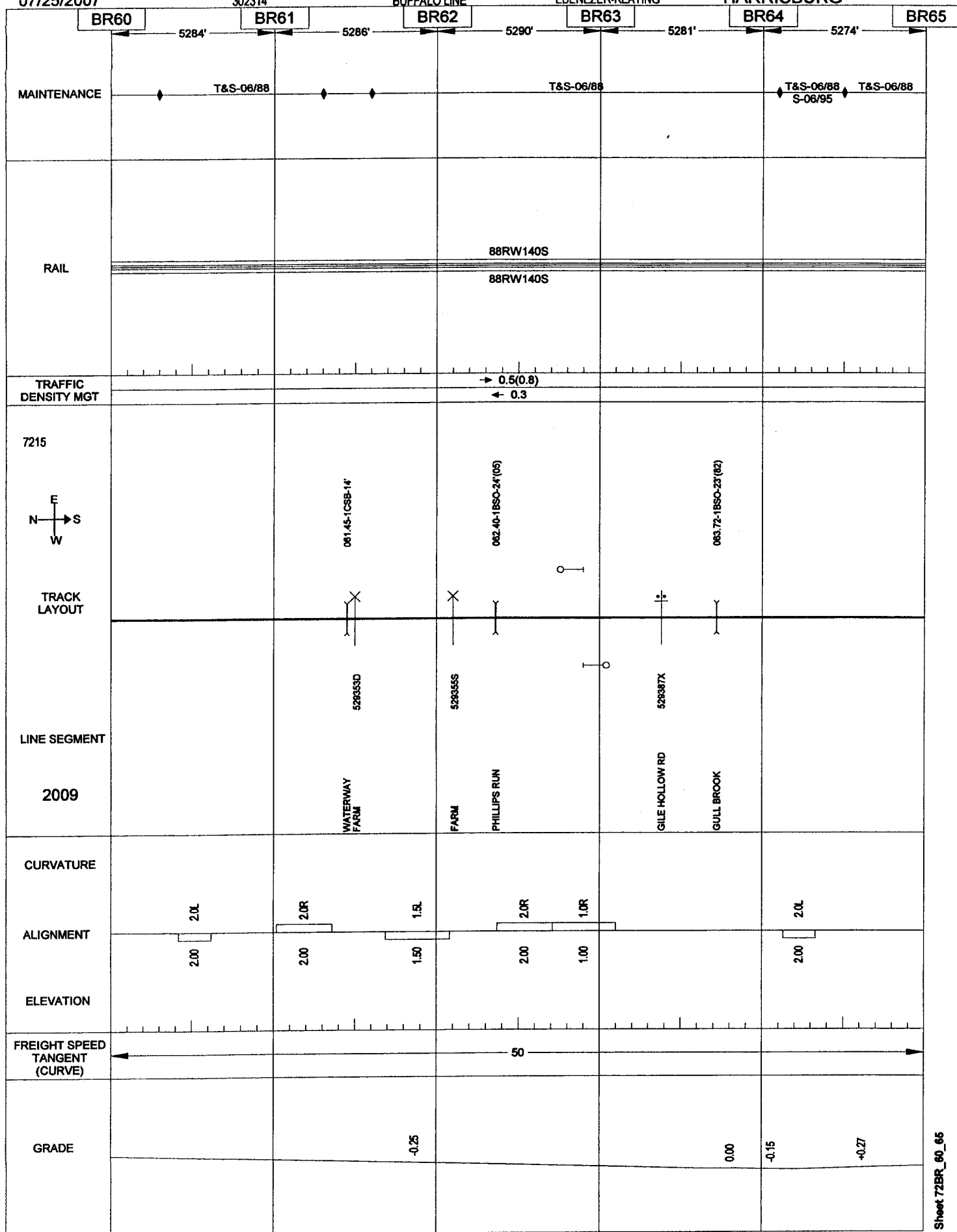
07/25/2007

302314

141  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG





07/25/2007

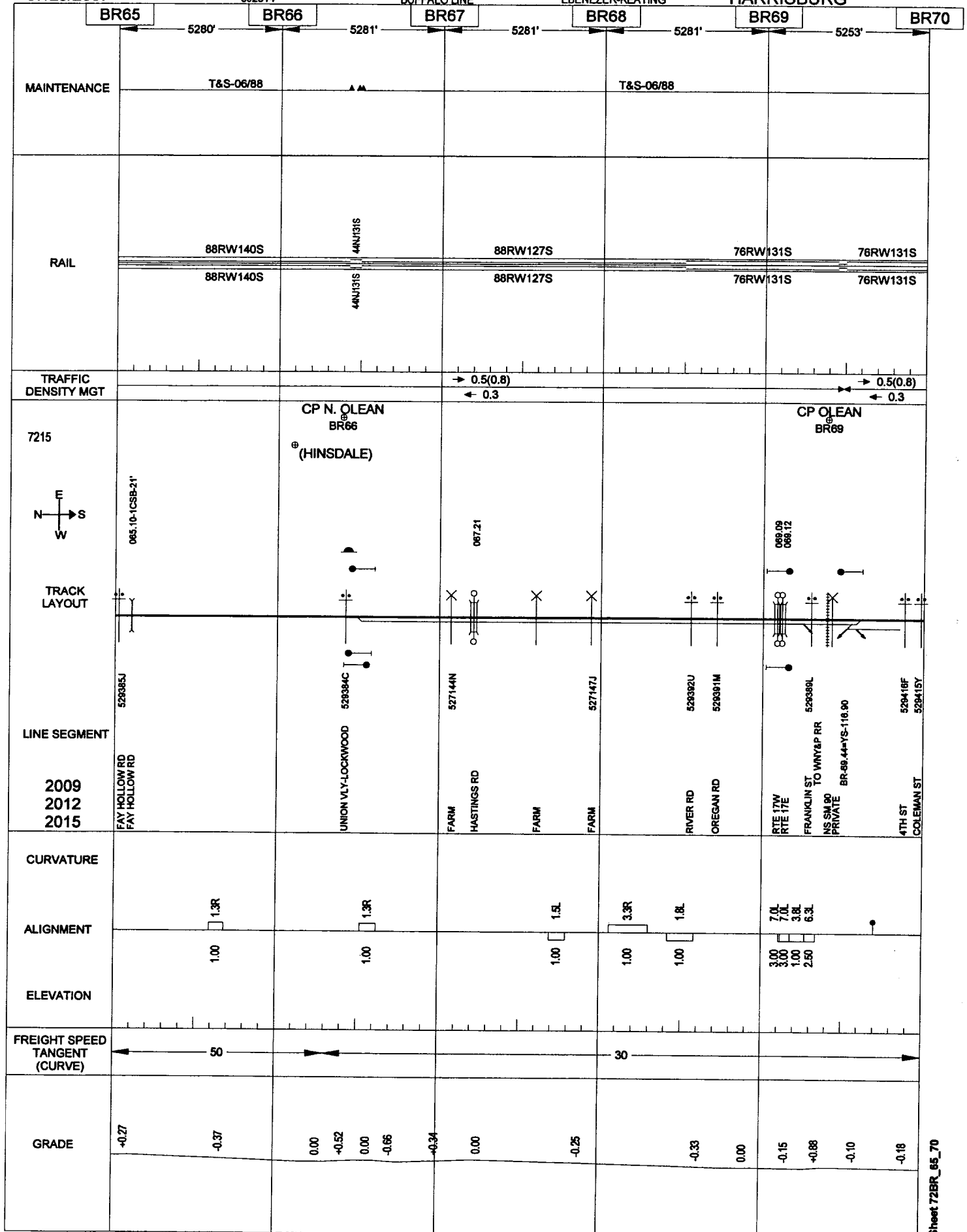
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142

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



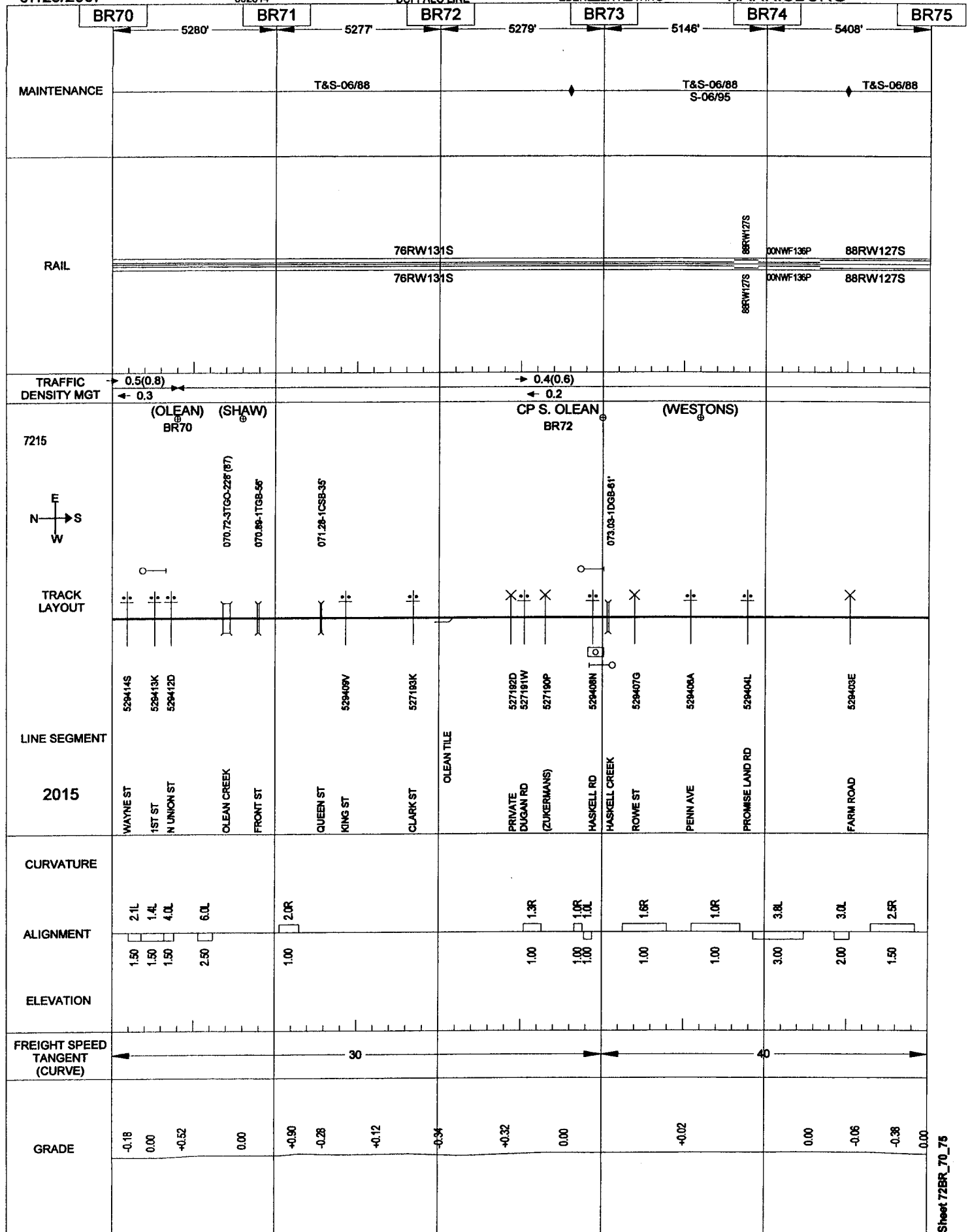
07/25/2007

302314

143  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

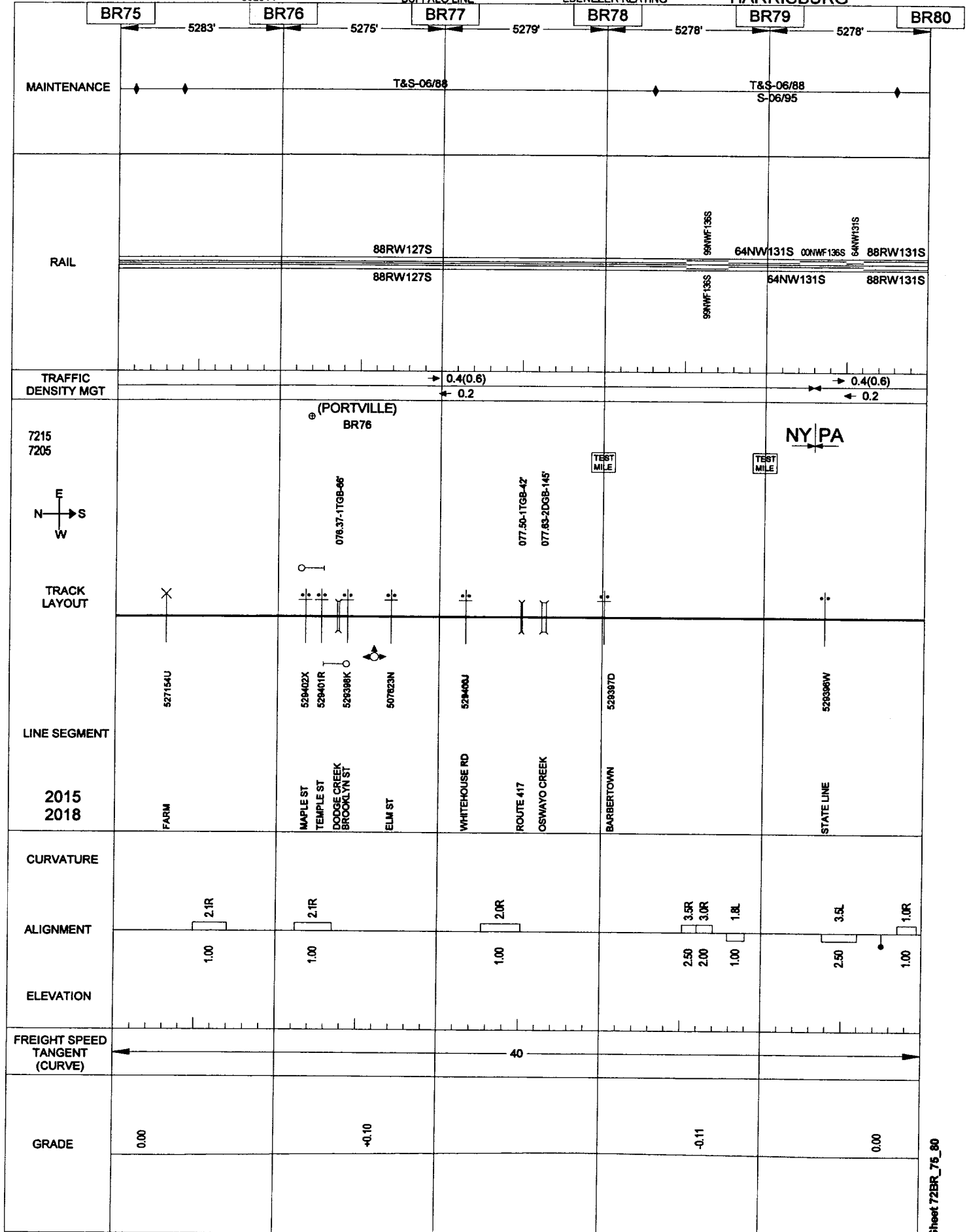
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144

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

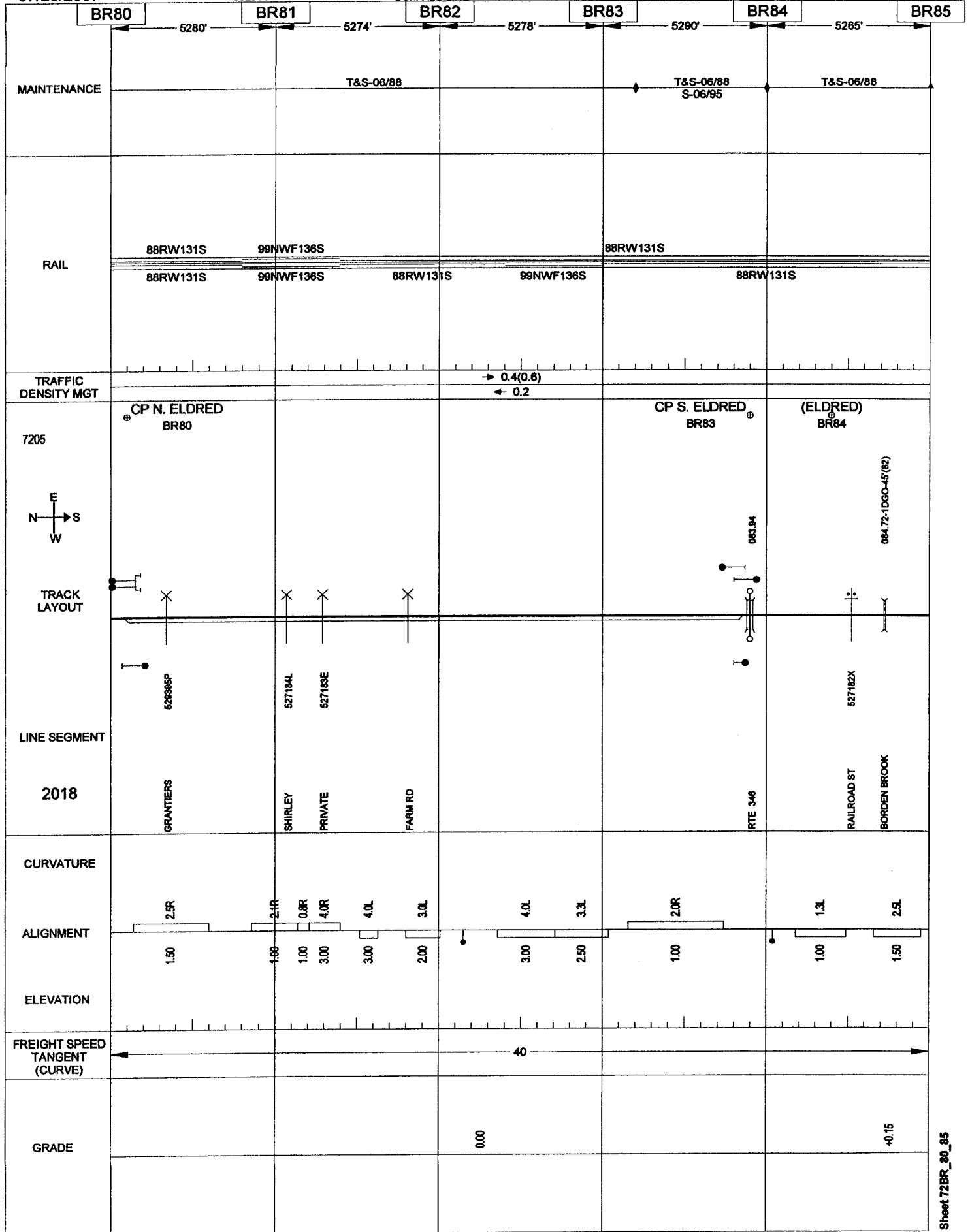
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145

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

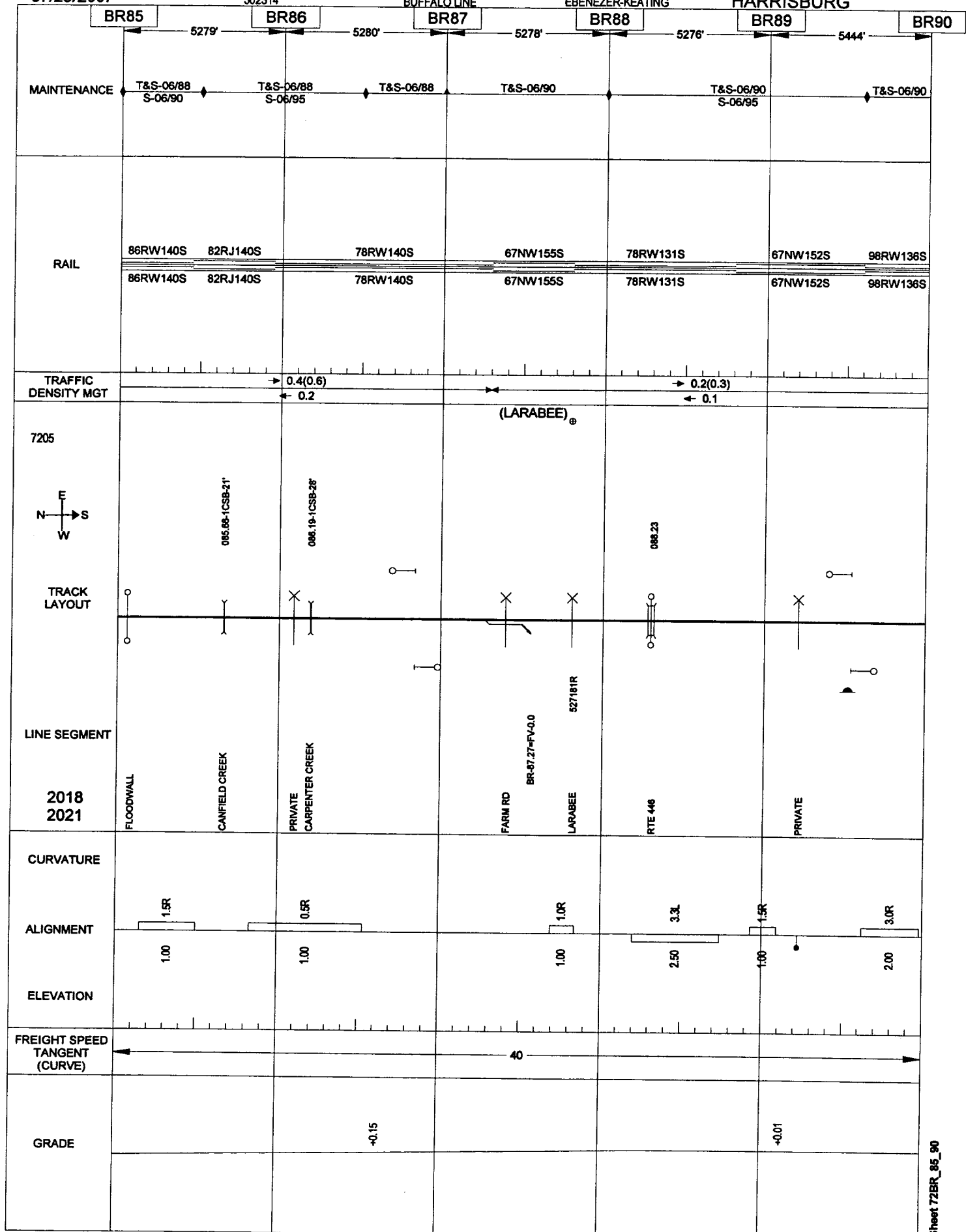
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146

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

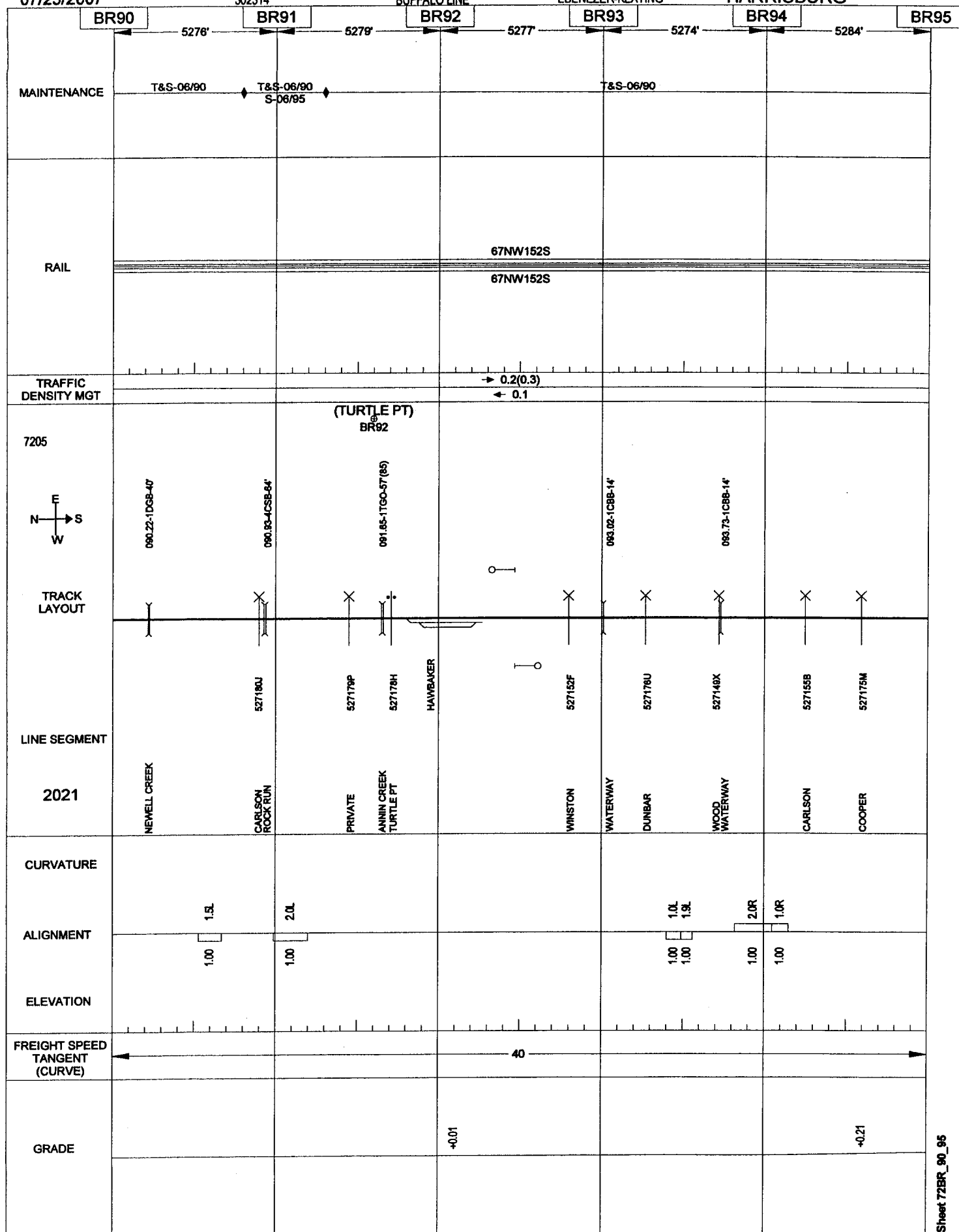
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147

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

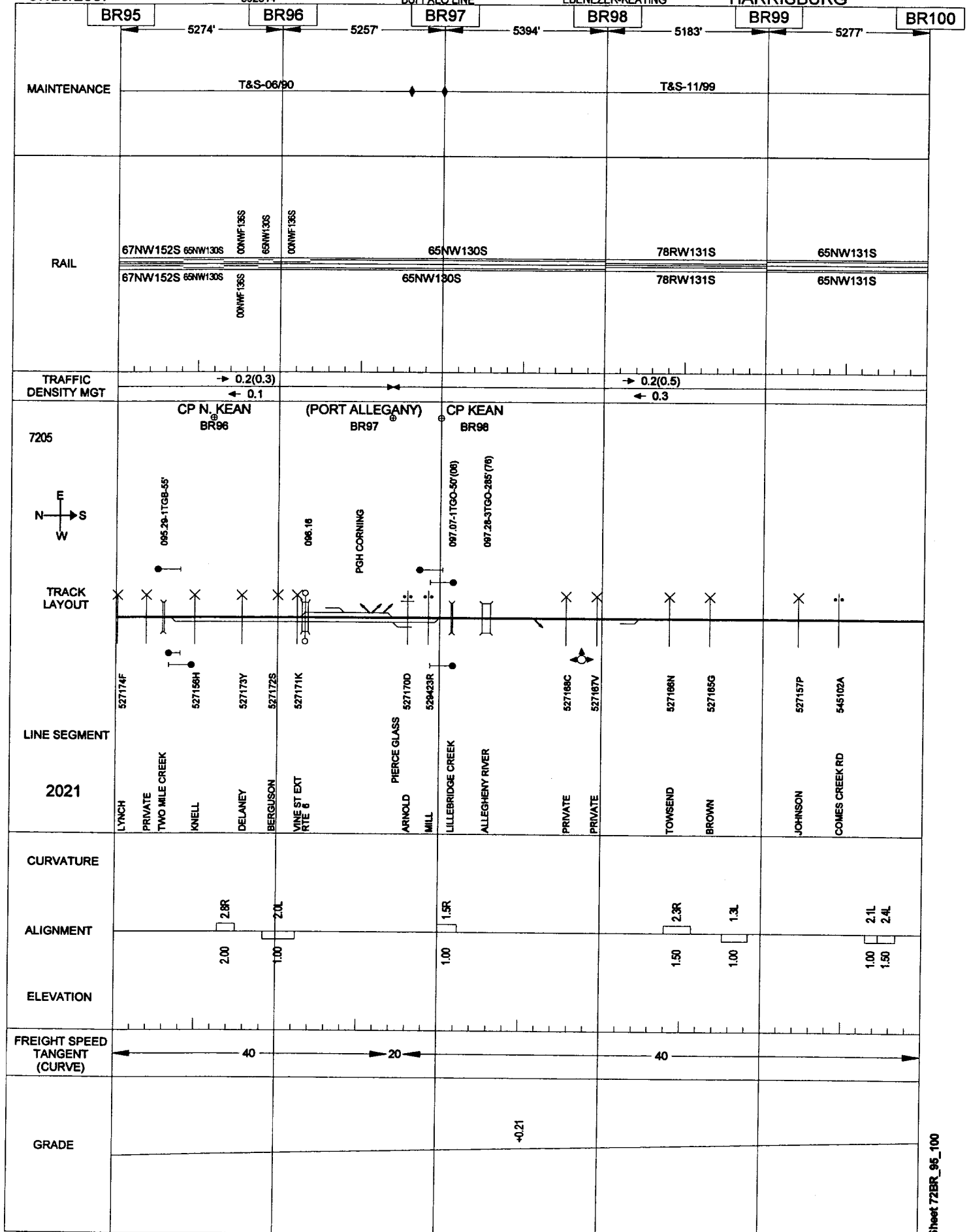
302314

148

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

302314

149

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG

BR100

BR101

BR102

BR103

BR104

BR105

5283'

5275'

5282'

5283'

5228'

MAINTENANCE

T&amp;S-11/99

RAIL

65NW131S

78RW131S

79RW140S

06RW132S

79RW140S

65NW131S

78RW131S

79RW140S

TRAFFIC  
DENSITY MGT→ 0.2(0.5)  
← 0.3

7205

(WRIGHTS)®

® CP LIBERTY  
BR103

(LIBERTY)®

101.75-1CSB-16'

104.85-1CSB-45'

TRACK  
LAYOUT

LINE SEGMENT

2021

FOGLE  
545101TPRIVATE  
527158WCASKEY  
527159DROYS  
HAMILTON CREEK  
WRIGHTS  
527160X  
545100LCADDY HOLLOW  
545098UKUPPER  
SEYLER  
527058S  
527059YMOORE  
527060TLIBERTY WOOD PROD.  
527061A

ALLEGANY CREEK

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

30

GRADE

+0.21

+0.09

-0.16

+0.55



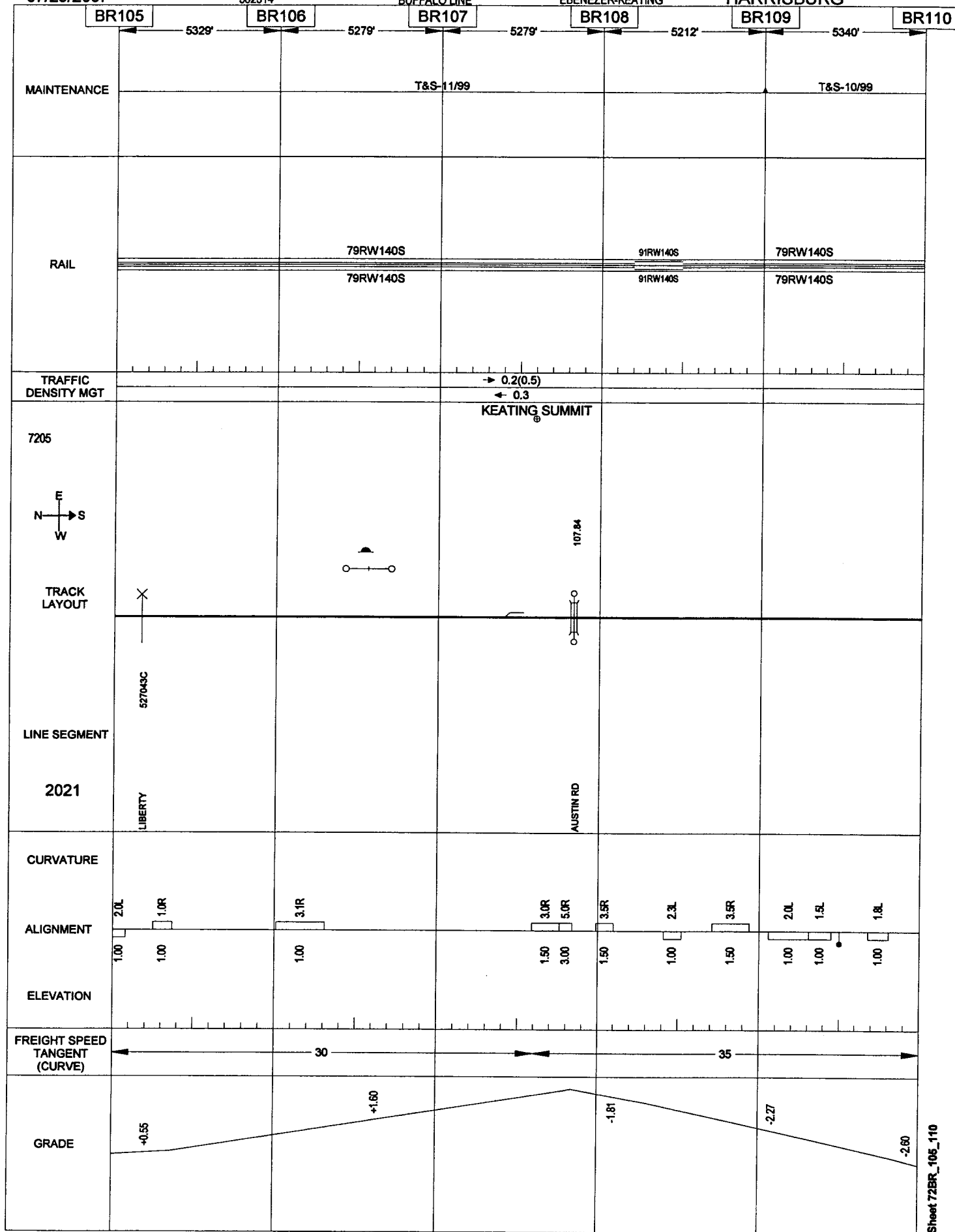
07/25/2007

302314

150  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

302314

151  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG

BR110

BR111

BR112

BR113

BR114

BR115

5271'

5285'

5276'

5276'

5278'

MAINTENANCE

T&amp;S-10/99

RAIL

79RW140S

79RW131S

82RW133S

79RW131S

79RW140S

79RW131S

82RW133S

79RW131S

TRAFFIC  
DENSITY MGT→ 0.2(0.5)  
← 0.3

(SIZERVILLE) ⊕

7205

TRACK  
LAYOUT

LINE SEGMENT

2021

527063N

527044J

527064V

527065C

527067R

527046X

SWYCO RD

GARDEAU

ZIMMER

NICKLER

CANNON

SIZERVILLE

CURVATURE

ALIGNMENT

1.8R

1.4R

3.5L

2.3L

3.5L

4.0R

3.5R

2.8R

1.8R

0.6R

3.0R

2.1L

2.1R

2.0L

1.3L

ELEVATION

1.00

1.00

1.50

1.00

1.50

2.00

1.50

1.00

1.00

1.00

1.50

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

35

GRADE

-2.60

-0.67

-0.59



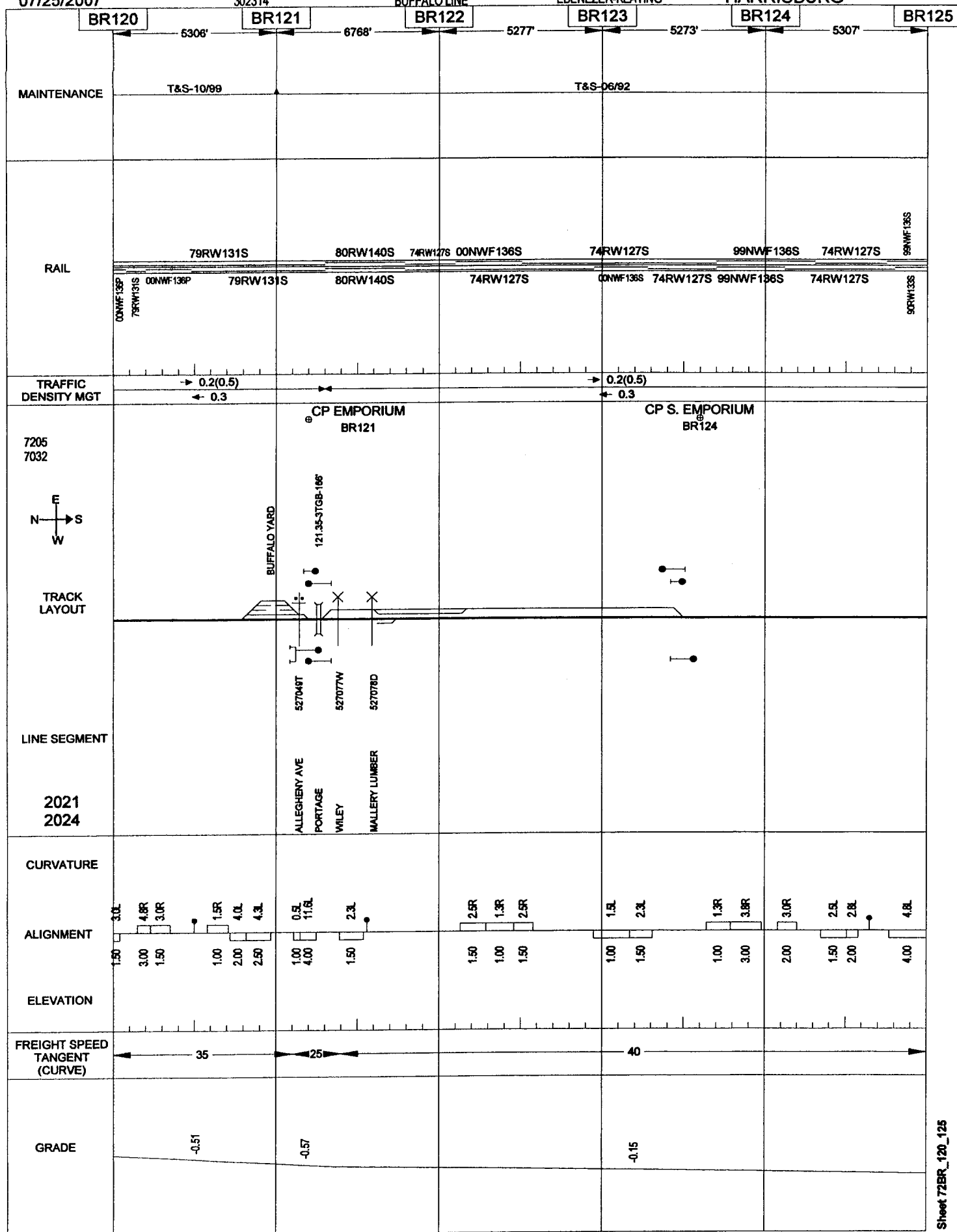
07/25/2007

302314

153  
BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

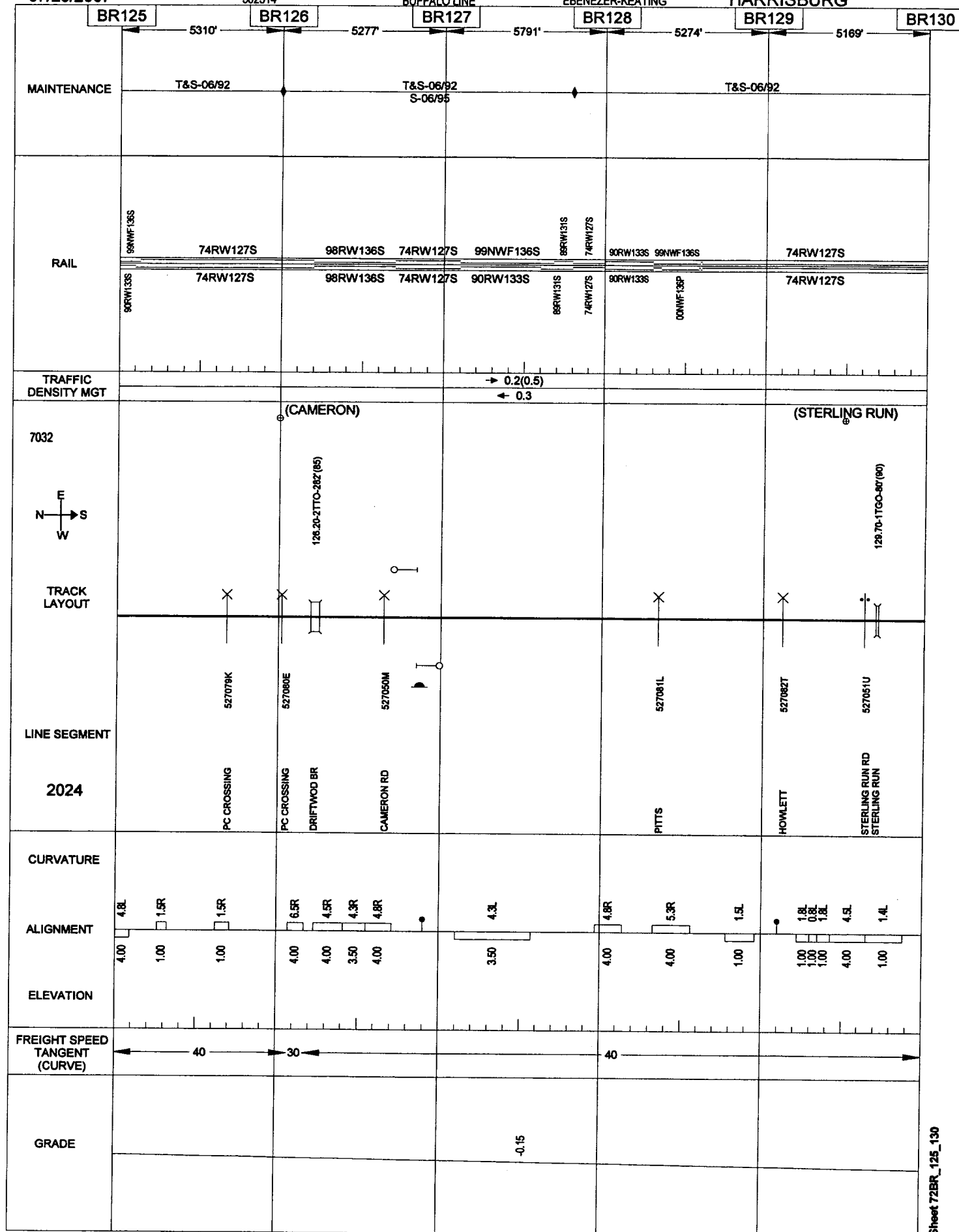
302314

154

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

302314

155

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG

BR130

BR131

BR132

BR133

BR134

BR135

5395'

5283'

5307'

5197'

5354'

MAINTENANCE

T&S-06/92

T&S-06/92  
S-06/95

T&S-06/92

RAIL

85RW133S

92NW136S

00NWF136S

85RW133S

85RW133S

92NW136S

85RW133S

TRAFFIC  
DENSITY MGT

→ 0.2(0.5)  
← 0.3

7032



TRACK  
LAYOUT

CP N. DRIFTWOOD  
BR134

134.48-1850-18' (06)

134.83-1CSB-18'

LINE SEGMENT

2024

527084G

MASONRY 302

132.41-4TGB-300'

DRIFTWOOD BRANCH

134.48-1850-18' (06)

527085N

BIG RUN

527085N

DEY RUN  
REASON LN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

35

40

GRADE

-0.15

07/25/2007

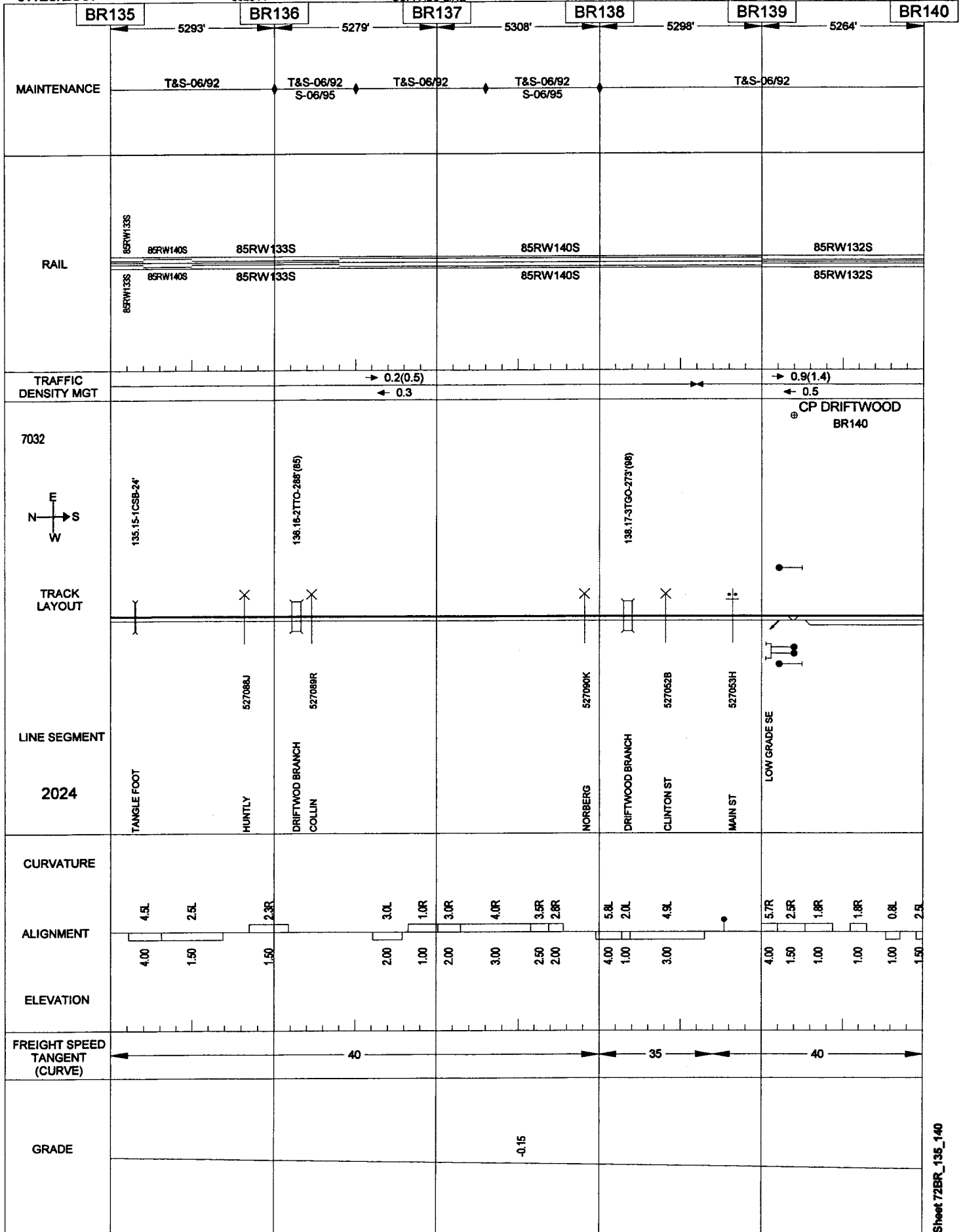
302314

156

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

302314

157

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG

BR140

BR141

BR142

BR143

BR144

BR145

5169'

5398'

5305'

5273'

5281'

MAINTENANCE

T&amp;S-06/92

RAIL

85RW132S

85RW132S

85RW132S

91RW132S

74RW152S

91RW132S

74RW152S

TRAFFIC  
DENSITY MGT→ 0.9(1.4)  
← 0.5

7032

CP S. DRIFTWOOD  
BR142

(GROVE)

E  
N → S  
WTRACK  
LAYOUT

141.88-1CSB-24'

142.08-3TTO-417(81)

142.78-1CSB-50'(80)

144.18-1CSB-31'

LINE SEGMENT

2024

527091S

527054P

527065W

527062Y

UPPER JERRY

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

35

(35)

40

50

GRADE

-0.15



07/25/2007

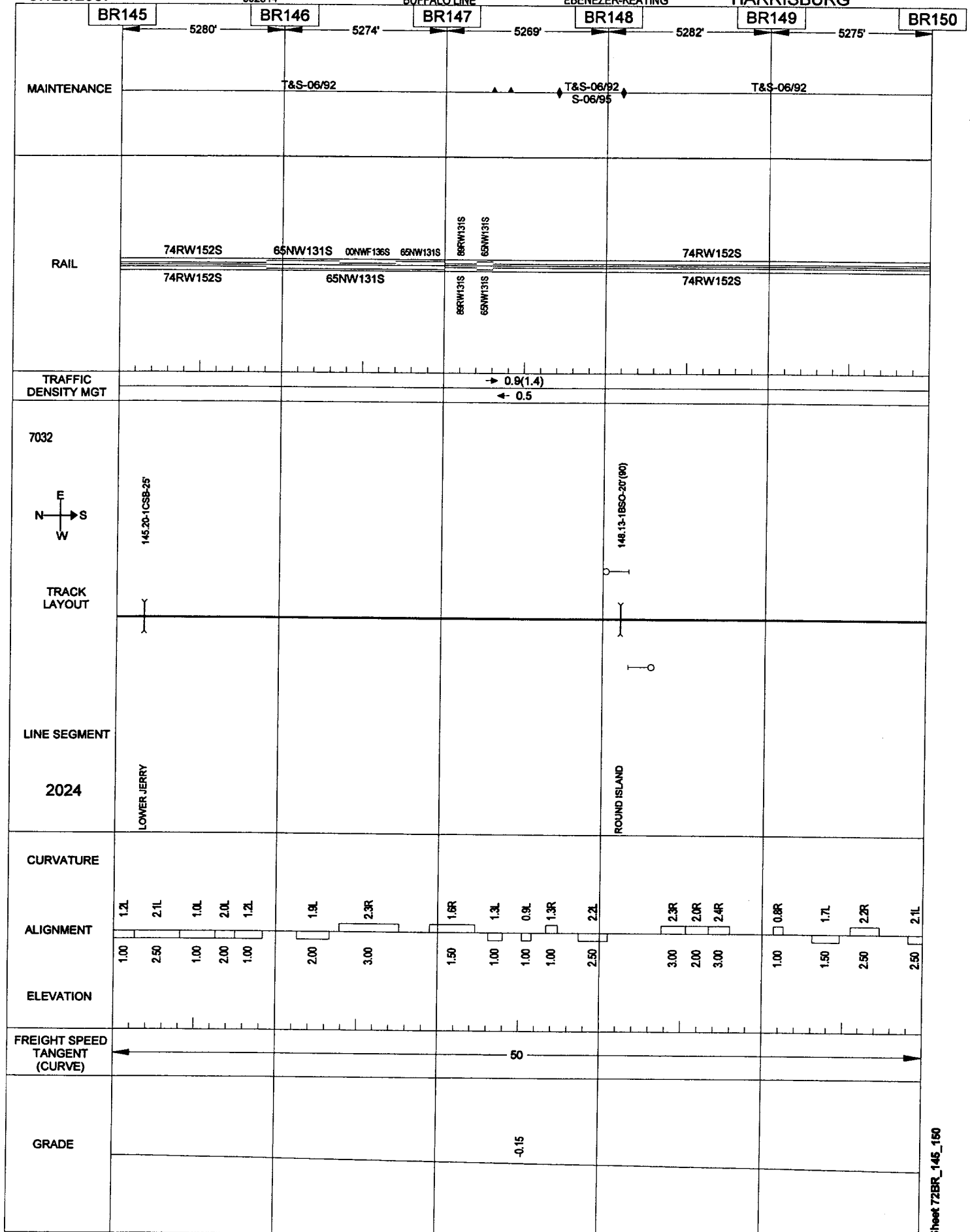
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158

BUFFALO LINE

EBENEZER-KEATING

HARRISBURG



07/25/2007

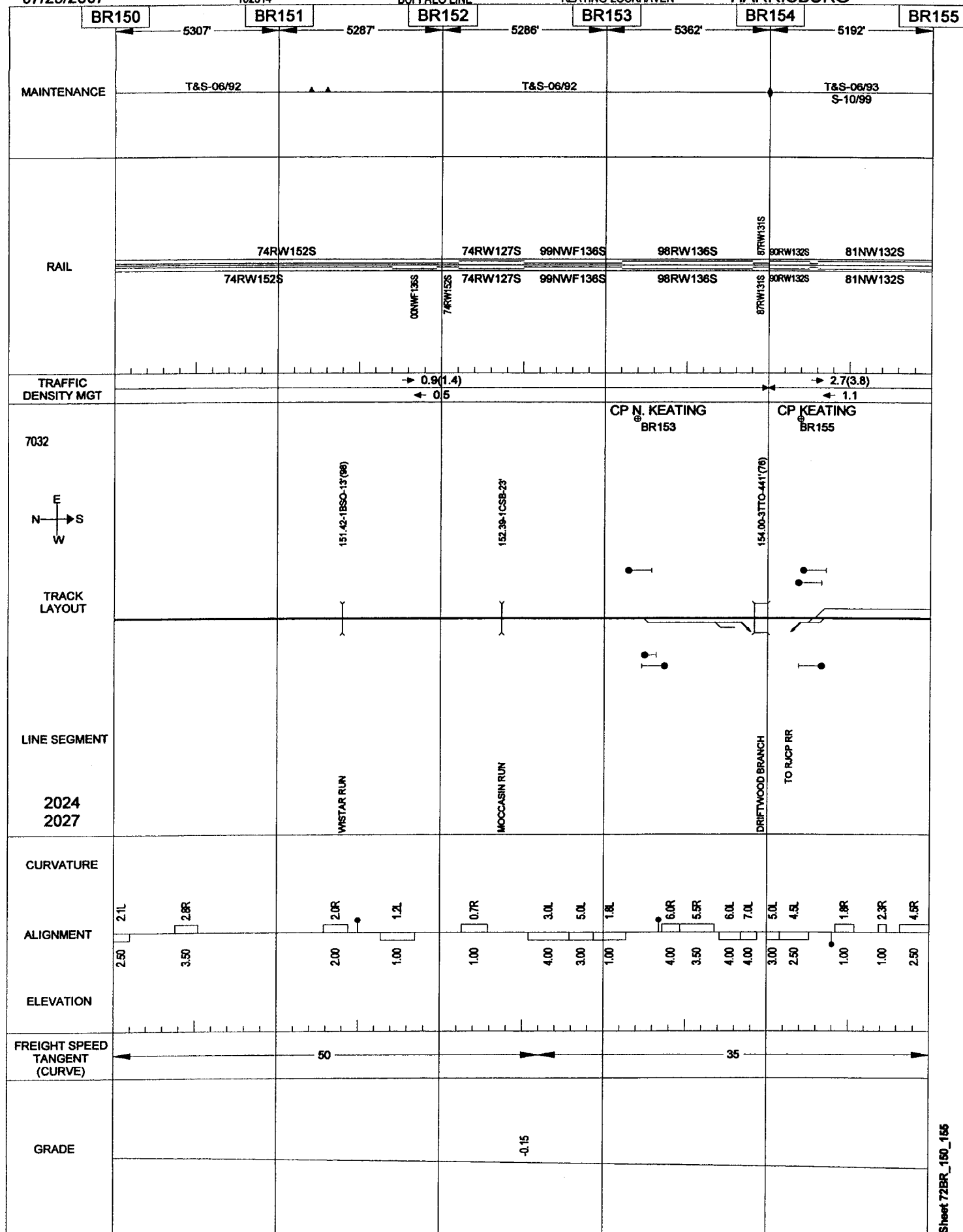
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159

BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG



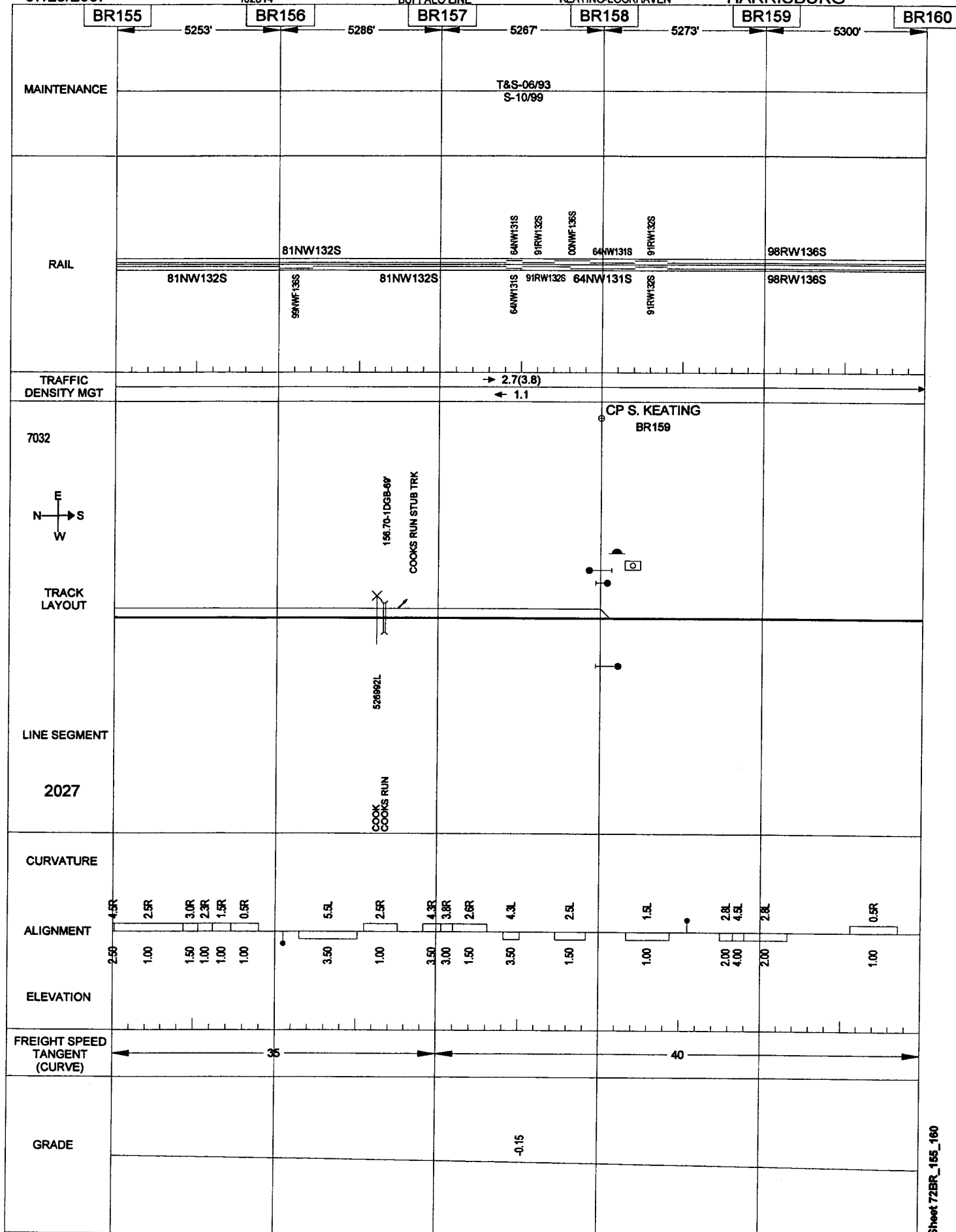
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102314

160  
BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG



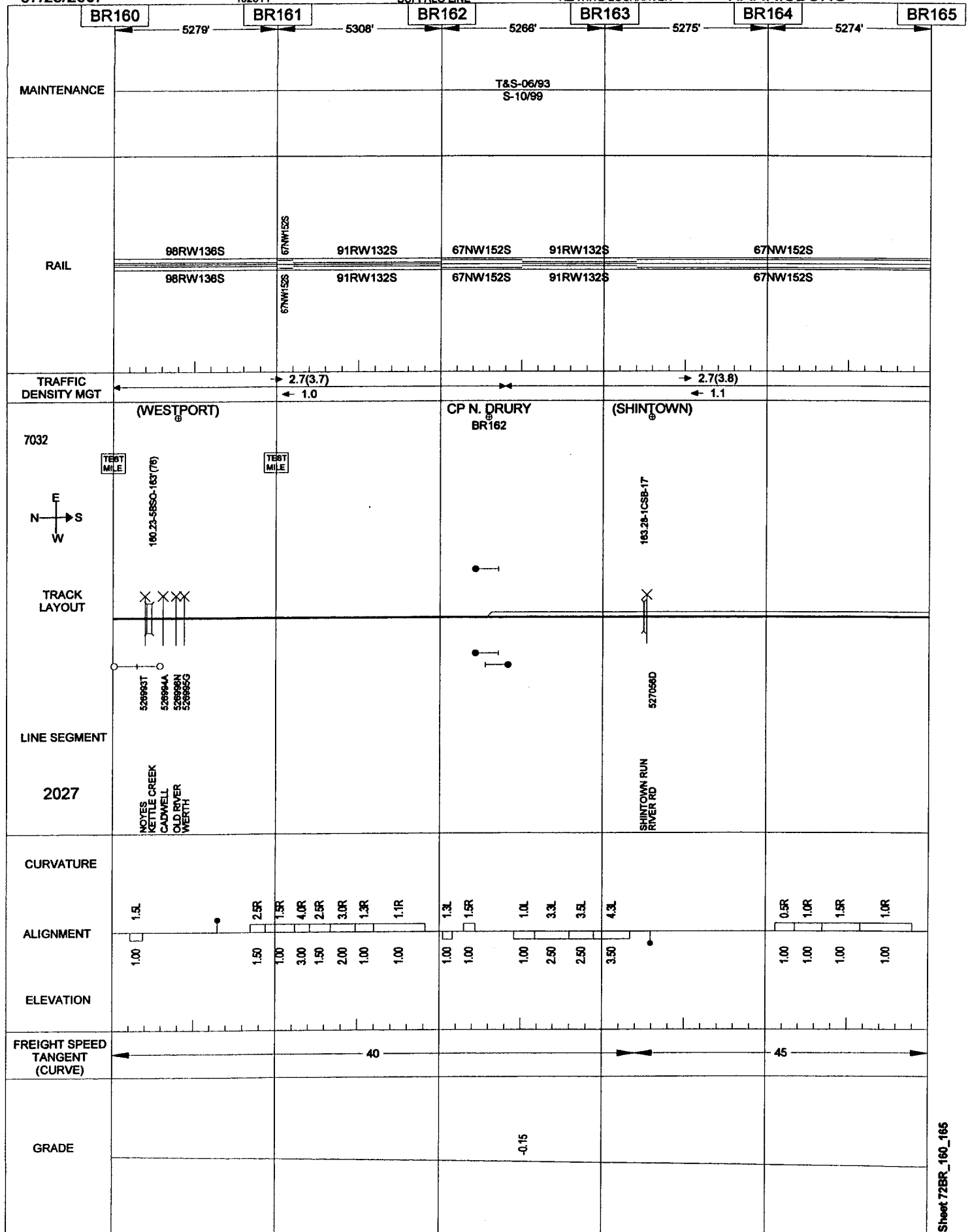
07/25/2007

102314

161  
BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG



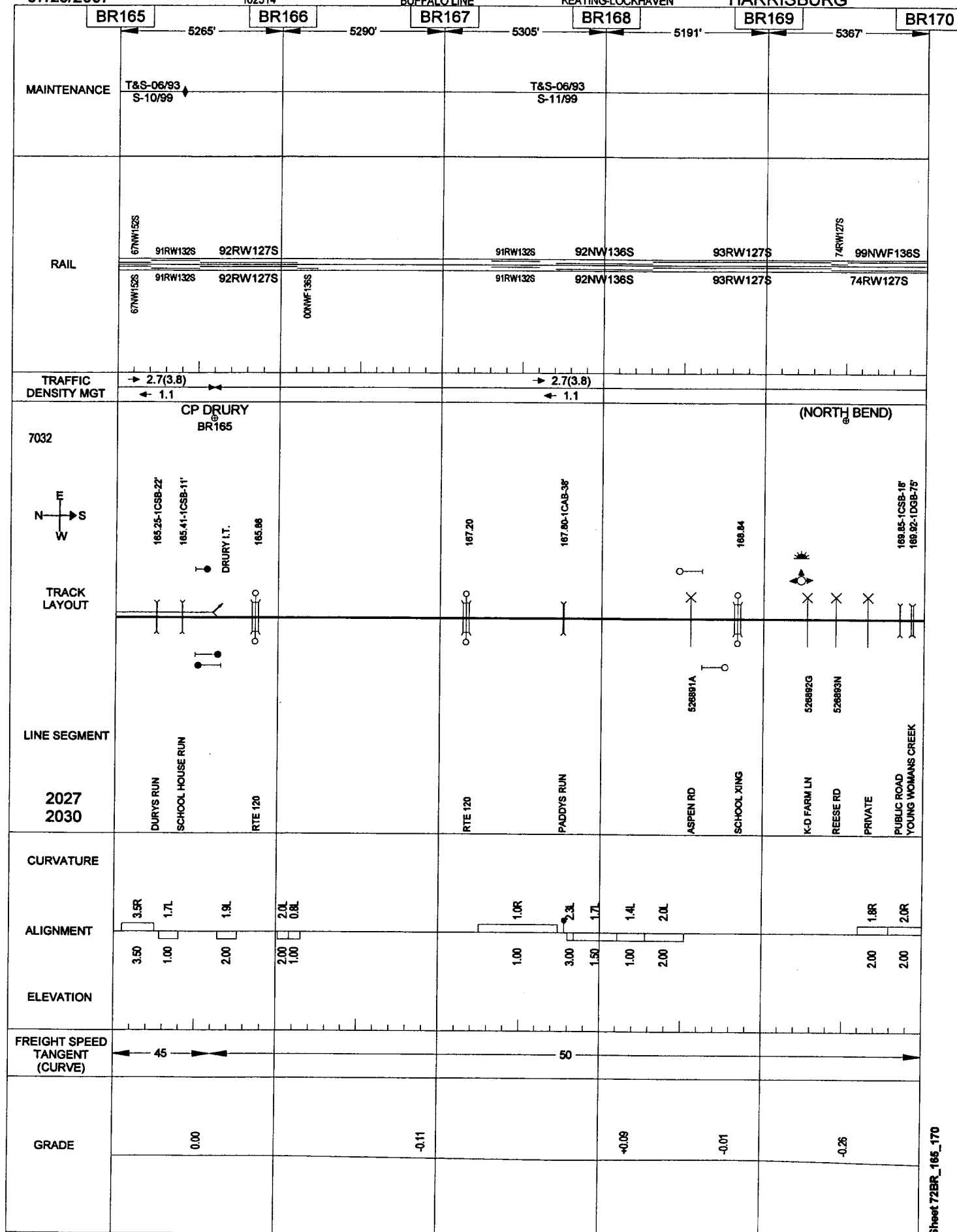
07/25/2007

102314

162  
BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG



07/25/2007

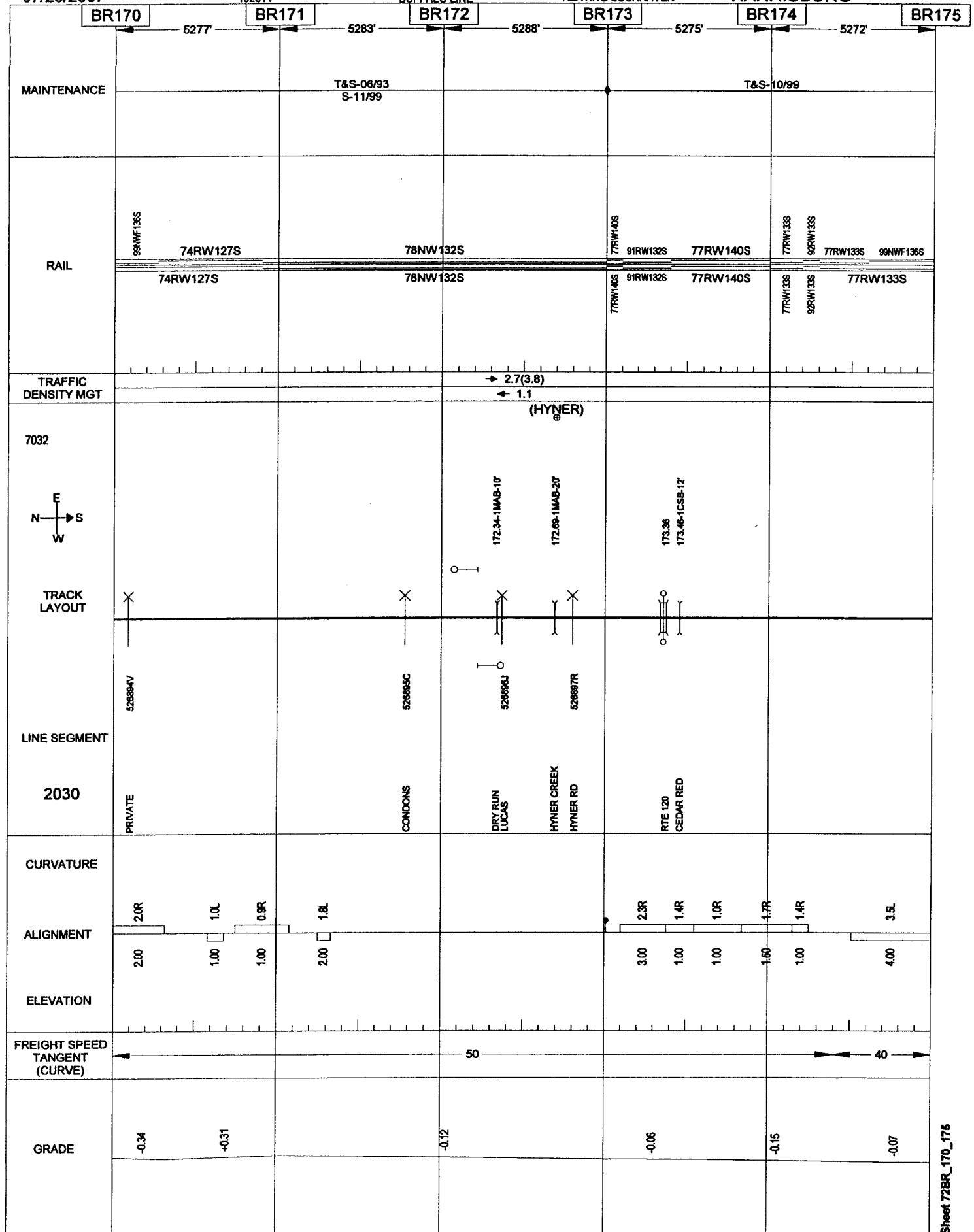
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163

BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG



07/25/2007

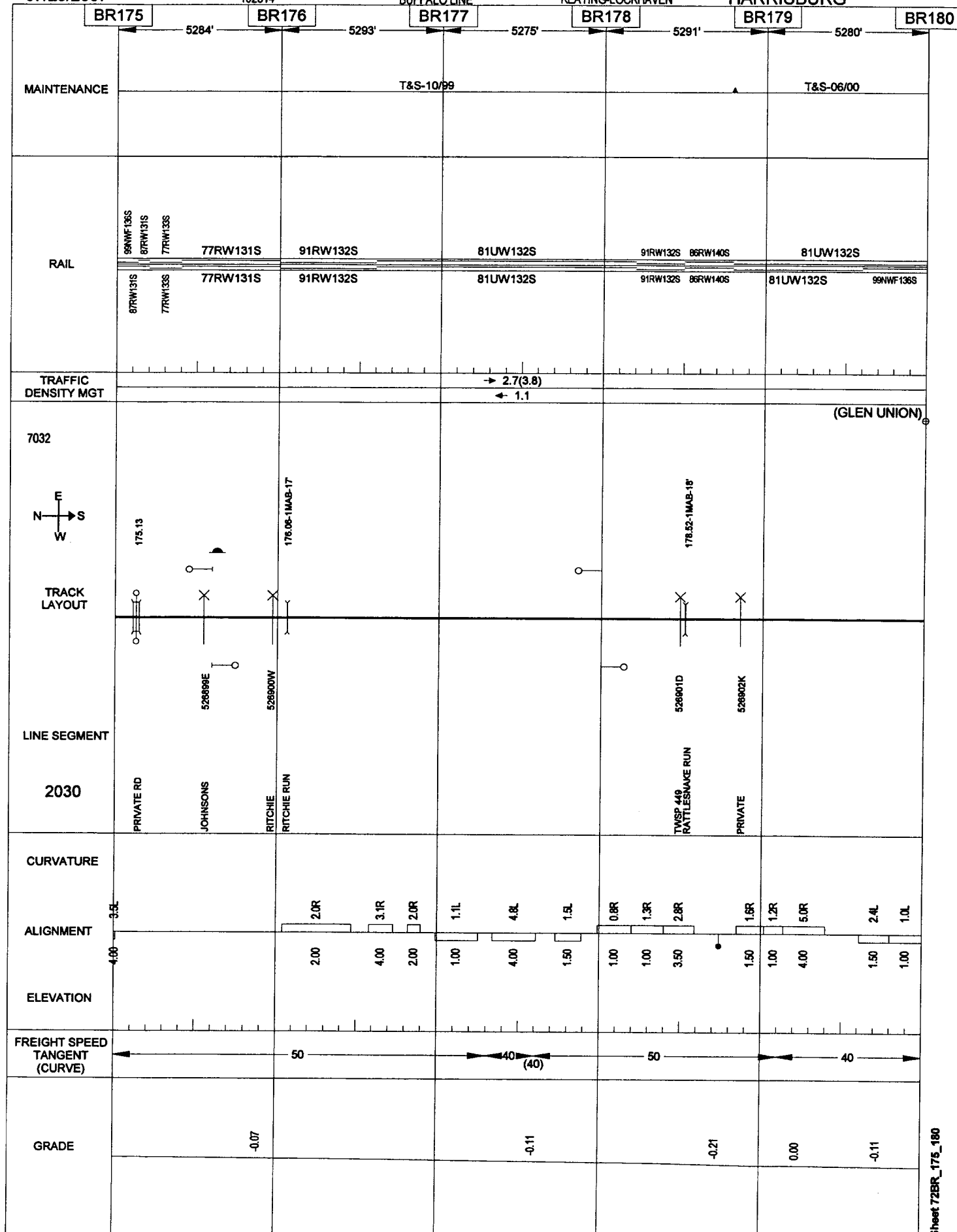
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164

BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG



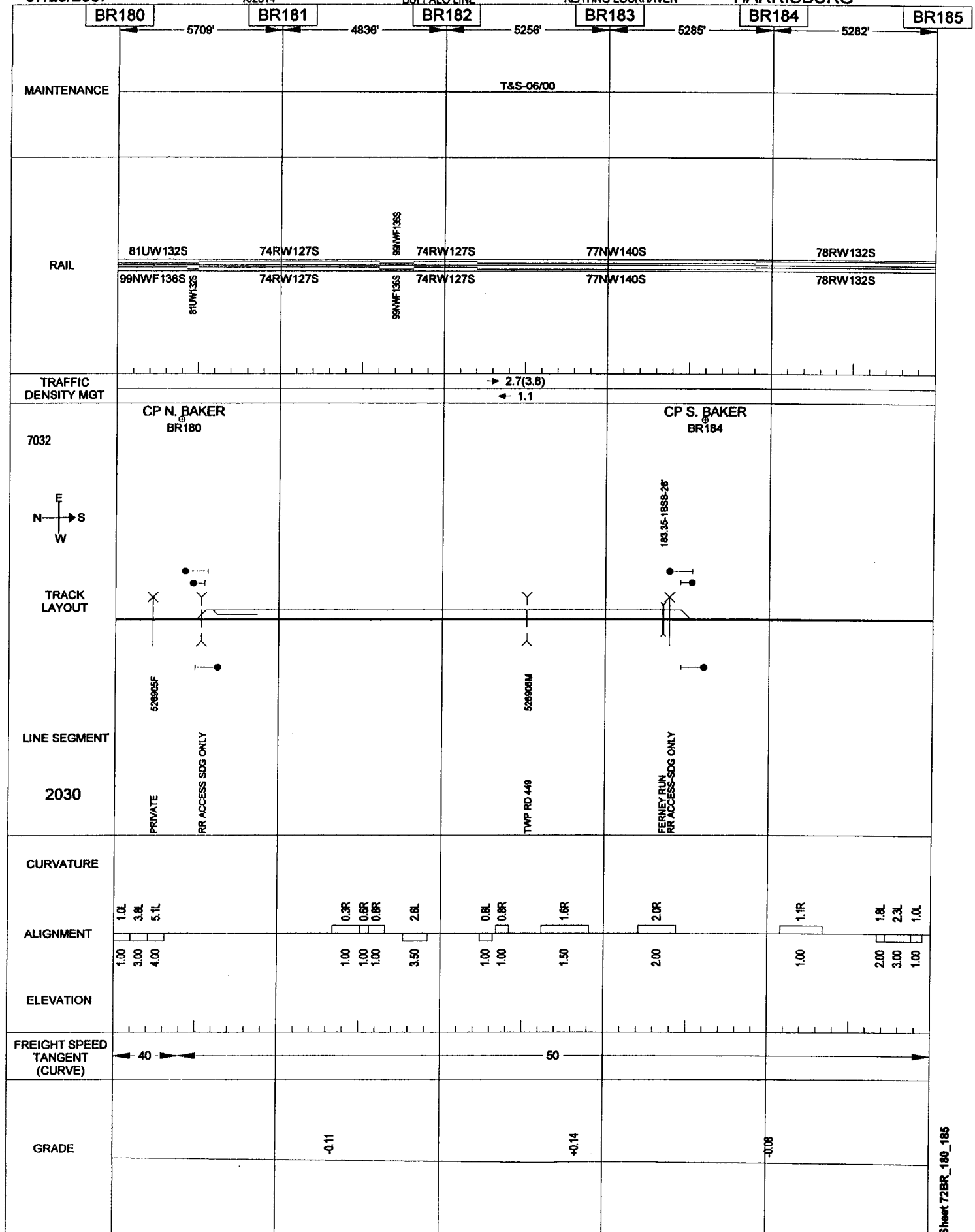
07/25/2007

102314

165  
BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG





07/25/2007

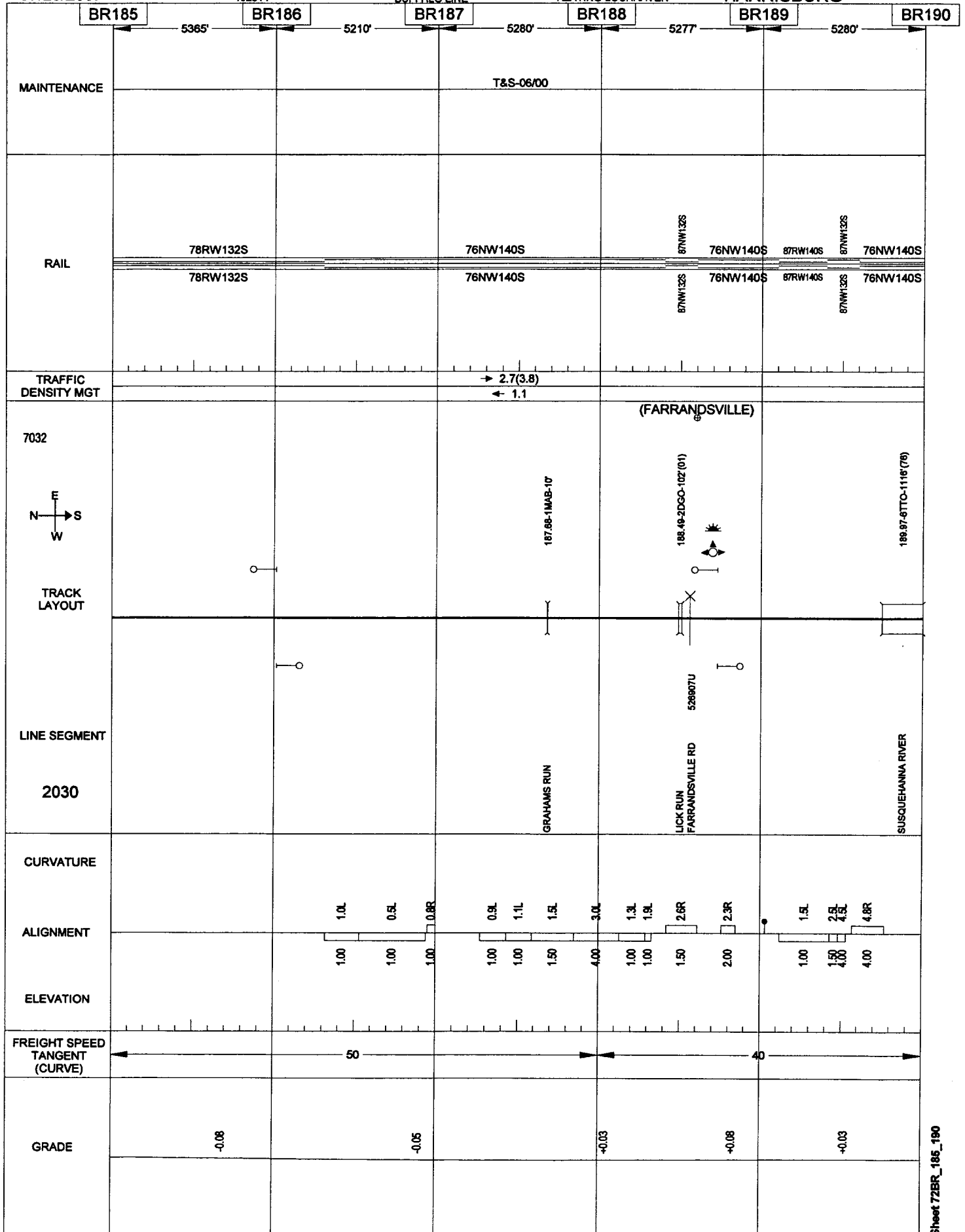
102314

166

BUFFALO LINE

KEATING-LOCKHAVEN

HARRISBURG



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102314

167

BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG

BR190

BR191

BR192

BR193

BR194

BR195

6028'

5187'

5284'

5356'

5209'

MAINTENANCE

T&amp;S-06/00

T&amp;S-03/02

RAIL

76NW140S

92NW136S

85RW133S

76NW140S

92NW136S

85RW133S

74RW127S

TRAFFIC  
DENSITY MGT→ 2.7(3.8)  
← 11→ 6.2(8.1)  
← 2.0

7032

TRACK  
LAYOUT

191.94-1MAB-24'

193.97

(LOCK HAVEN)  
87556

CP LOCK HAVEN

LINE SEGMENT

2030  
2033

PETTEY PARK

SUGAR RUN

FLOODWALL

WATER ST

4TH ST

BELLEFONTE AVE

BALD EAGLE AVE

LIBERTY ST

VESPER ST

GROVE ST

JAY ST

HENDERSON ST

TO NBER (54.30-TY)

HANNA ST

LOCK HAVEN YARD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

3.8R

3.8L

3.6R

1.0L

3.1L

0.9R

2.1L

2.0L

0.5L

0.8L

3.00

3.00

3.00

1.00

2.00

1.00

1.00

1.00

1.00

1.00

40

30

50

-0.11

+0.29

-0.13

-0.07

07/25/2007

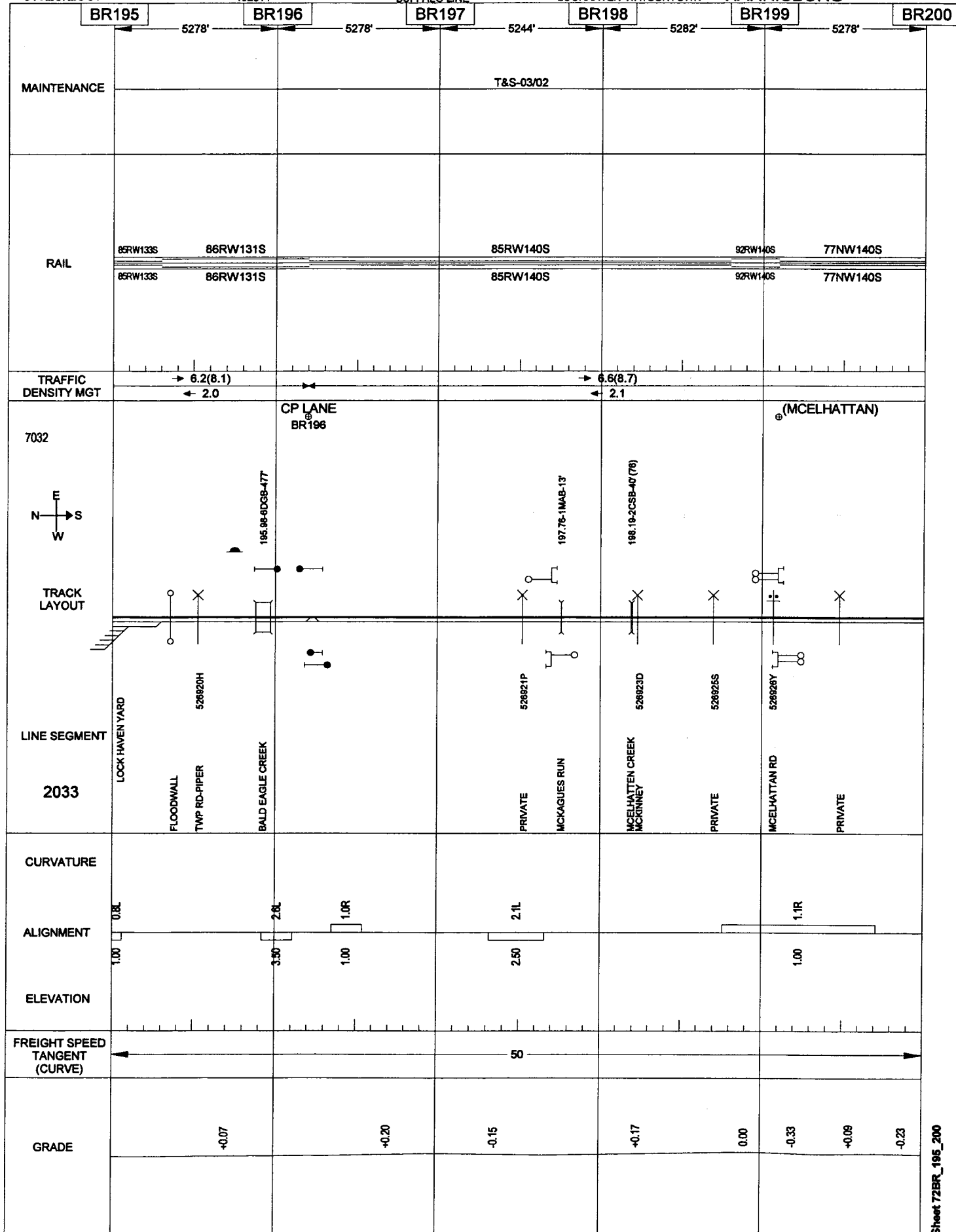
102314

168

BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG



07/25/2007

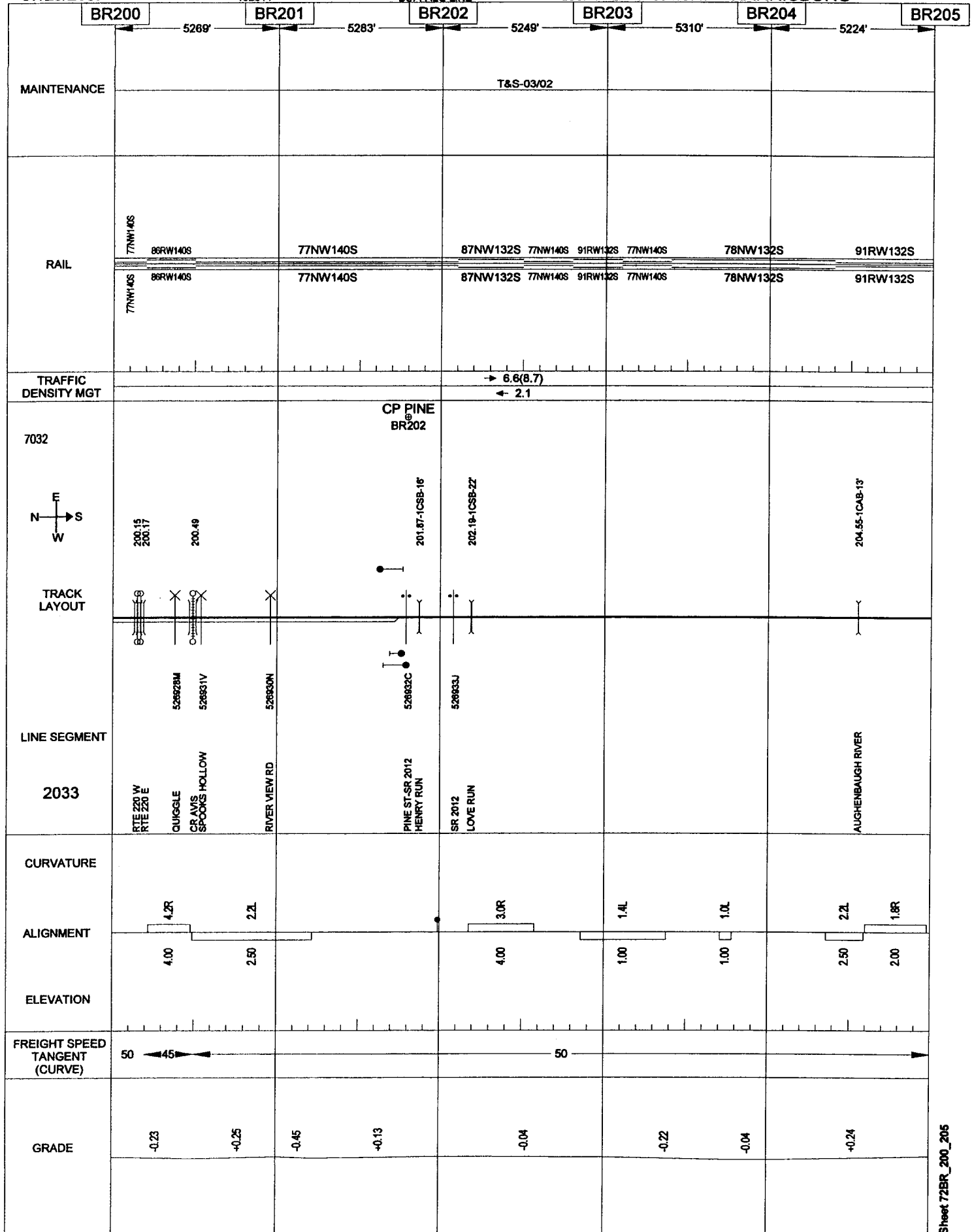
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169

BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG



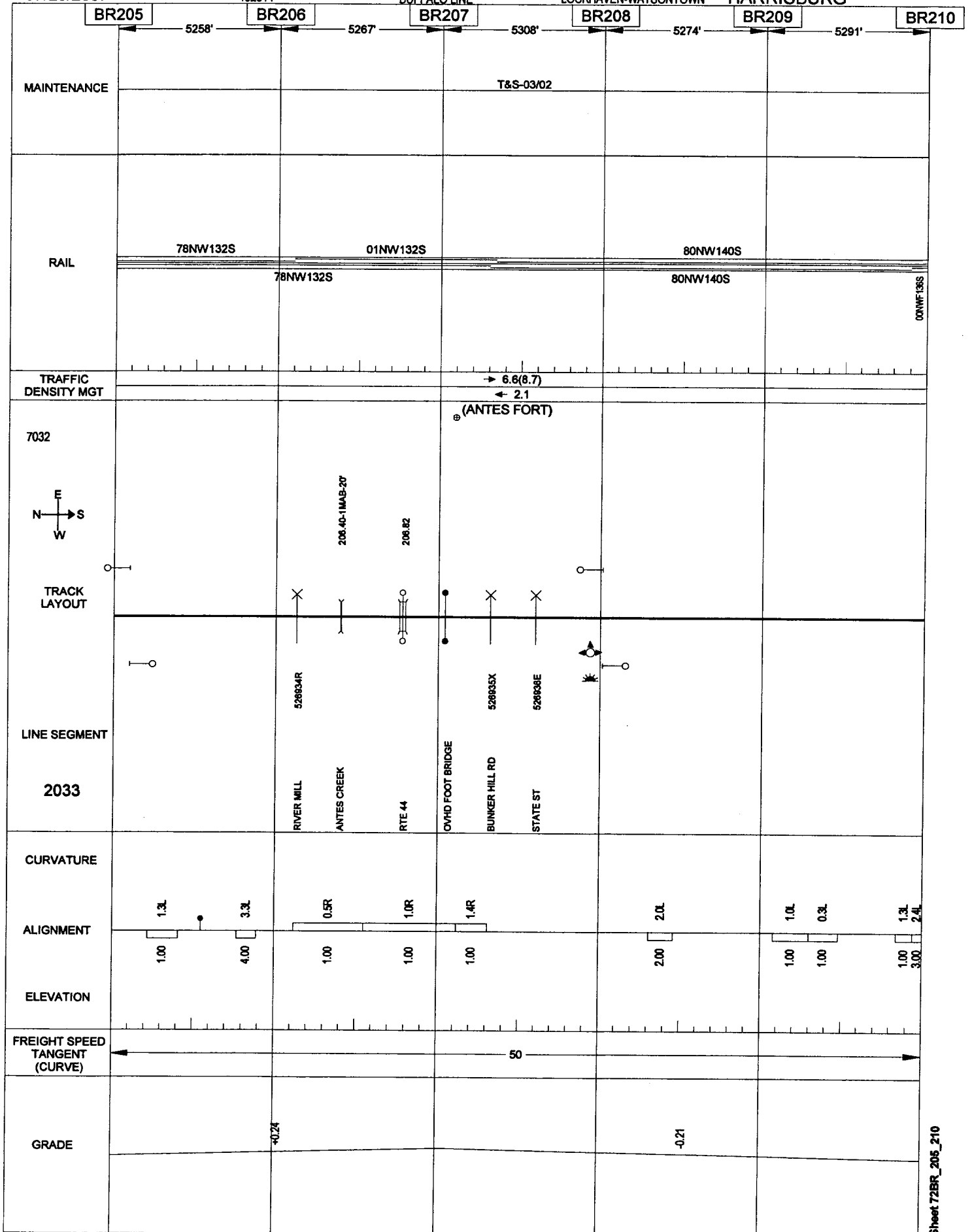
07/25/2007

102314

170  
BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG



07/25/2007

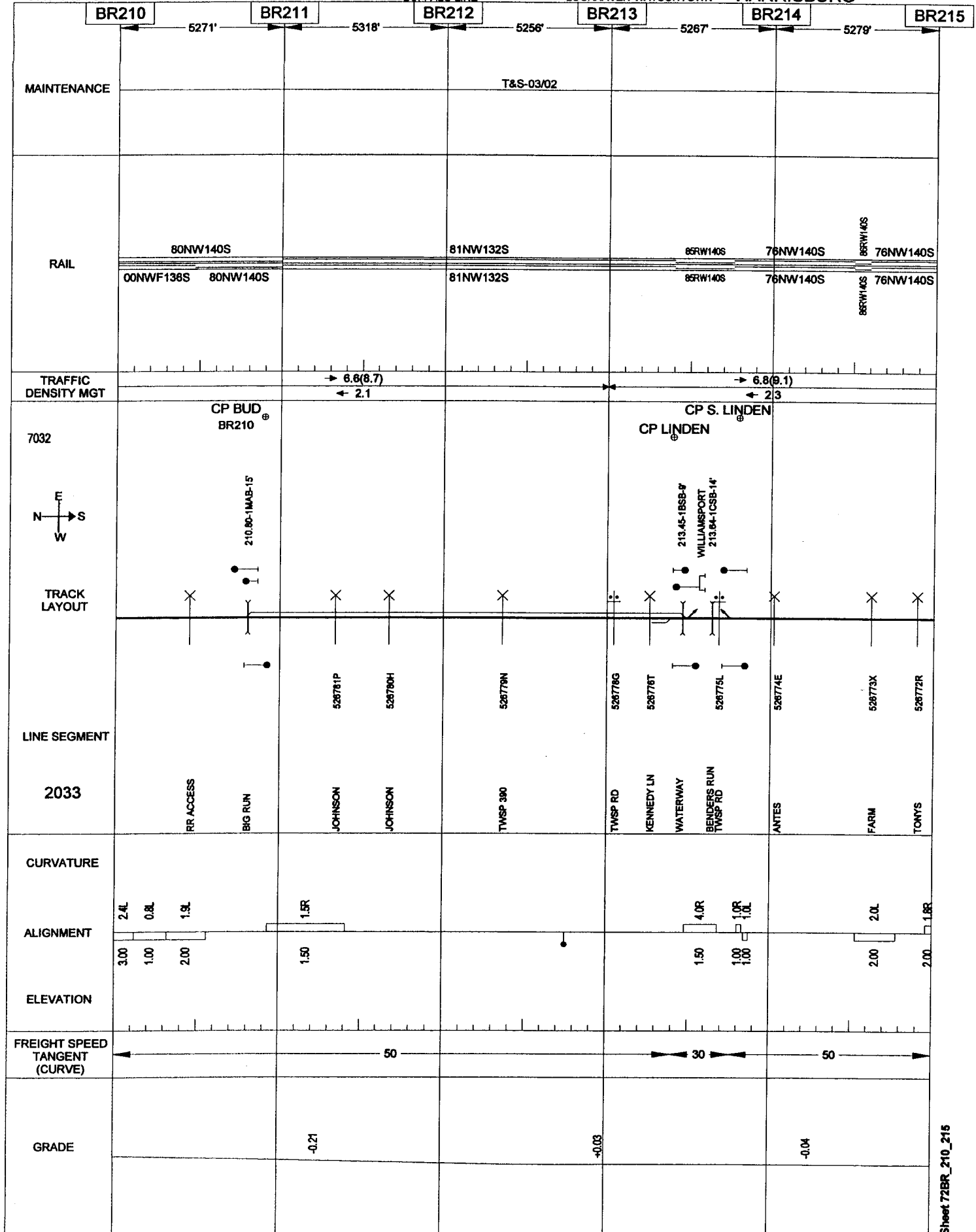
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171

BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG



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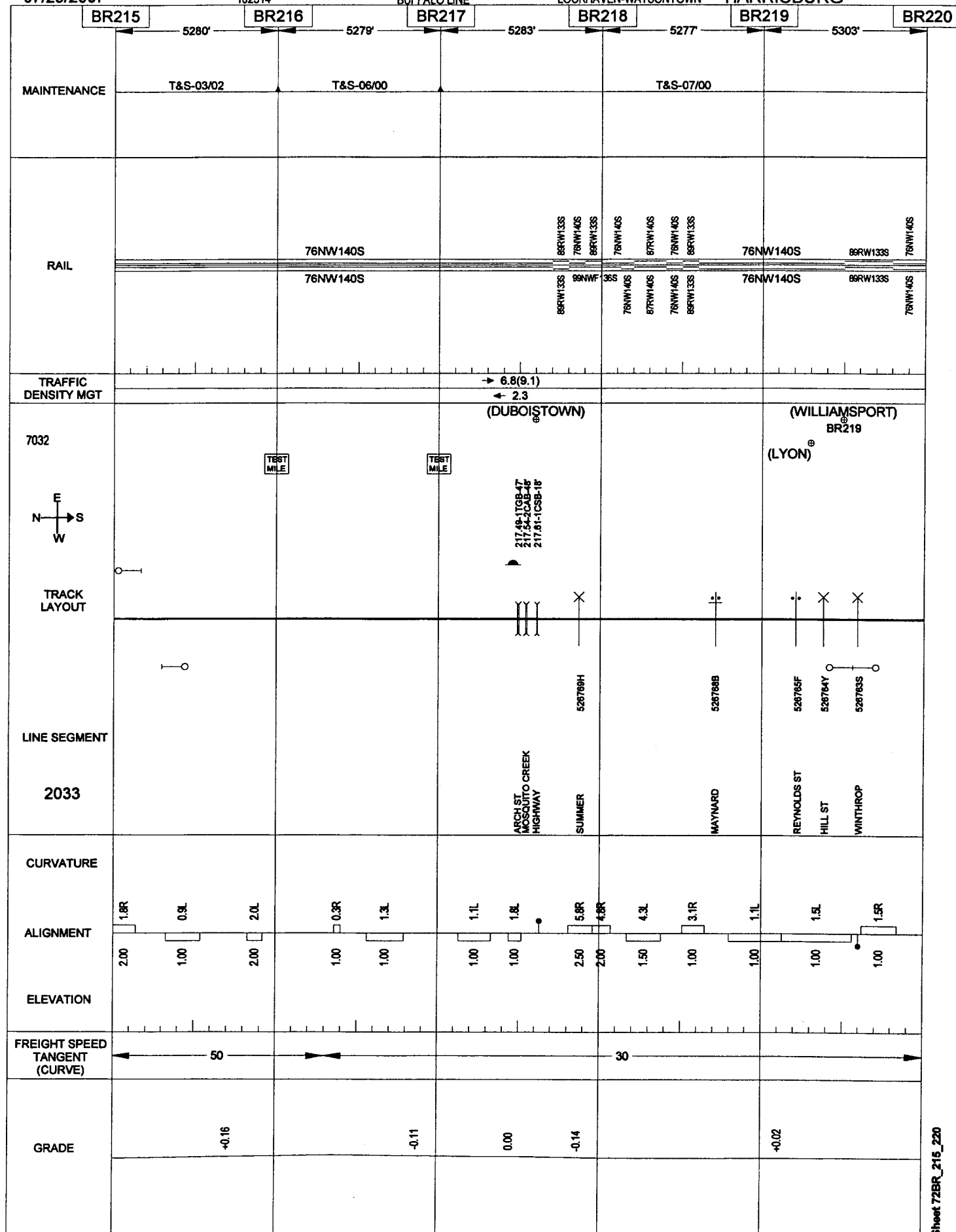
102314

172

BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG



07/25/2007

102314

173

BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG

BR220

BR221

BR222

BR223

BR224

BR225

4200'

5266'

5286'

5185'

5354'

MAINTENANCE

T&amp;S-07/00

RAIL

76NW140S

87RW140S

76NW140S

78NW132S

85RW140S

76NW140S

87RW140S

76NW140S

78NW132S

85RW140S

TRAFFIC  
DENSITY MGT

→ 6.8(9.1)

← 2.3

7032

220.12-1 CAB-11"  
220.09TRACK  
LAYOUT

LINE SEGMENT

2033

MARKET ST  
HAGERMAN RUN  
MARKET ST

SYLVANDELL RD

FARM

FARM

FARM

SYLVANDELL RD

VINYARD

PRIVATE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

0.5L  
1.002.6R  
1.002.0L  
1.000.6R  
1.003.3R  
2.502.1L  
1.004.4L  
3.504.1R  
3.501.5L  
1.000.9L  
1.00

30

40

50

+0.02

-0.20

-0.01

+0.04

-0.11



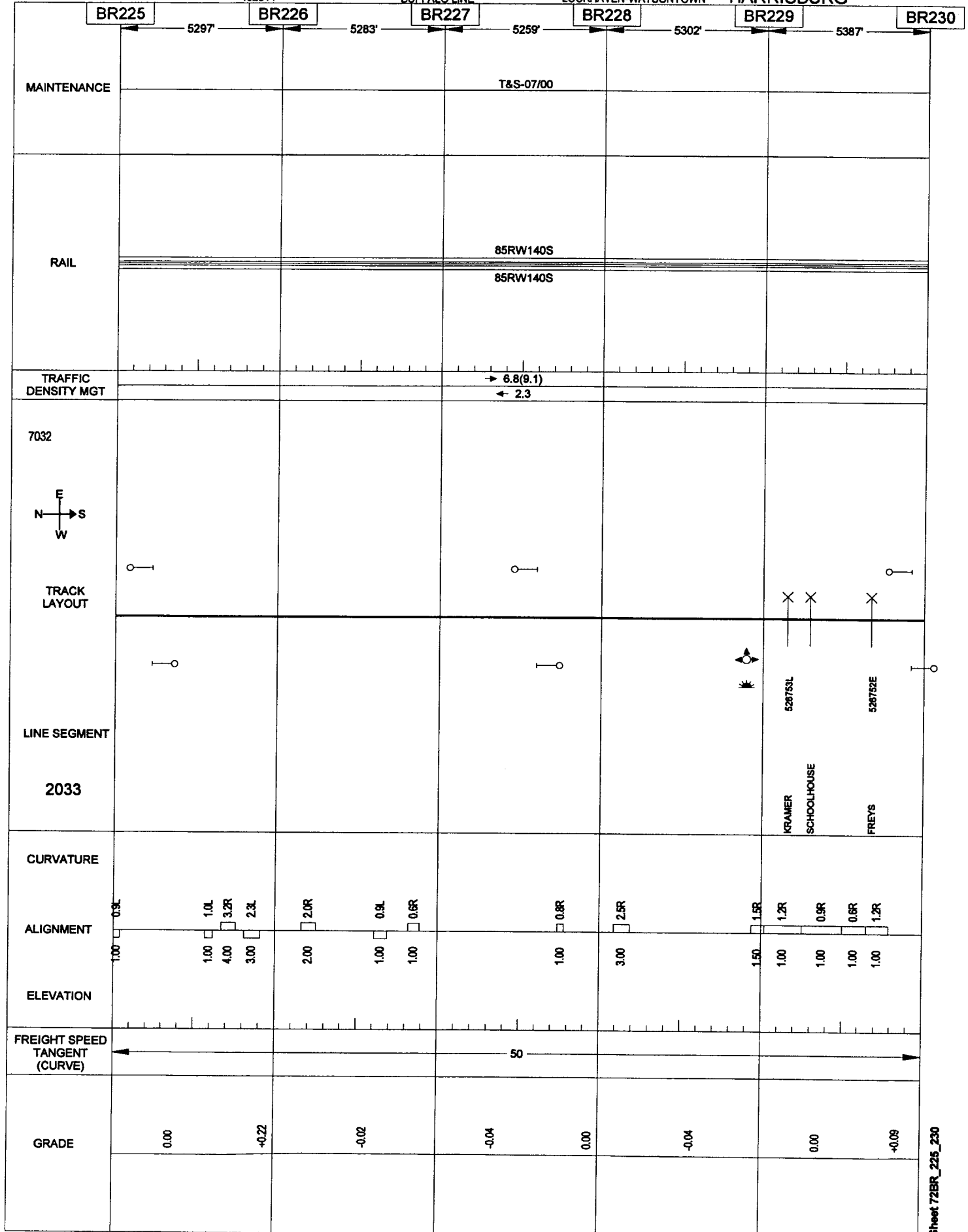
07/25/2007

102314

174  
BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG



## HARRISBURG

BR235

233

T&amp;S-08/00

RAIL

85RW140S

TRAFFIC  
DENSITY MGT

→ 6.8(9.1)

7032

CP MUNCY  
⊕  
BR232

(MONTGOMERY)  
BR235

## TRACK LAYOUT

**LINE SEGMENT**

2033

## CURVATURE

## ALIGNMENT

### ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

**GRADE**

202

0.04

**-0.15**

0.0

Sheet 72BR\_230\_235

07/25/2007

102314

176

BUFFALO LINE

LOCKHAVEN-WATSONTOWN

HARRISBURG

BR235

BR236

BR237

BR238

BR239

BR240

5324'

5251'

5378'

5183'

5280'

MAINTENANCE

T&amp;S-08/00

RAIL

85RW140S

85RW132S

91NW132S

79NW132S

79NW132S

90RW132S

79NW132S

79NW132S

TRAFFIC  
DENSITY MGT→ 6.8(9.1)  
← 2.3→ 7.0(9.5)  
← 2.5

7032

(MONTGOMERY)  
BR235

(DEWART)

E  
N → S  
W

235.06-1MAB-18'

236.16-16TGB-1224'

238.14-1MAB-28'

238.27

239.77-18SB-15'

TRACK  
LAYOUT

LINE SEGMENT

2033

528740K  
528739R  
MAIN ST  
BLACK HOLE  
BOWER ST  
PRIVATE

SUSQUEHANNA RIVER

534733V  
FOGELMAN534734C  
S FOGELMAN534732N  
NICELY501582R  
DELAWARE RUN  
SR 405

MAIN ST

DRY RUN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

25

50

GRADE

-0.01

-0.13

-0.06

0.00

07/25/2007

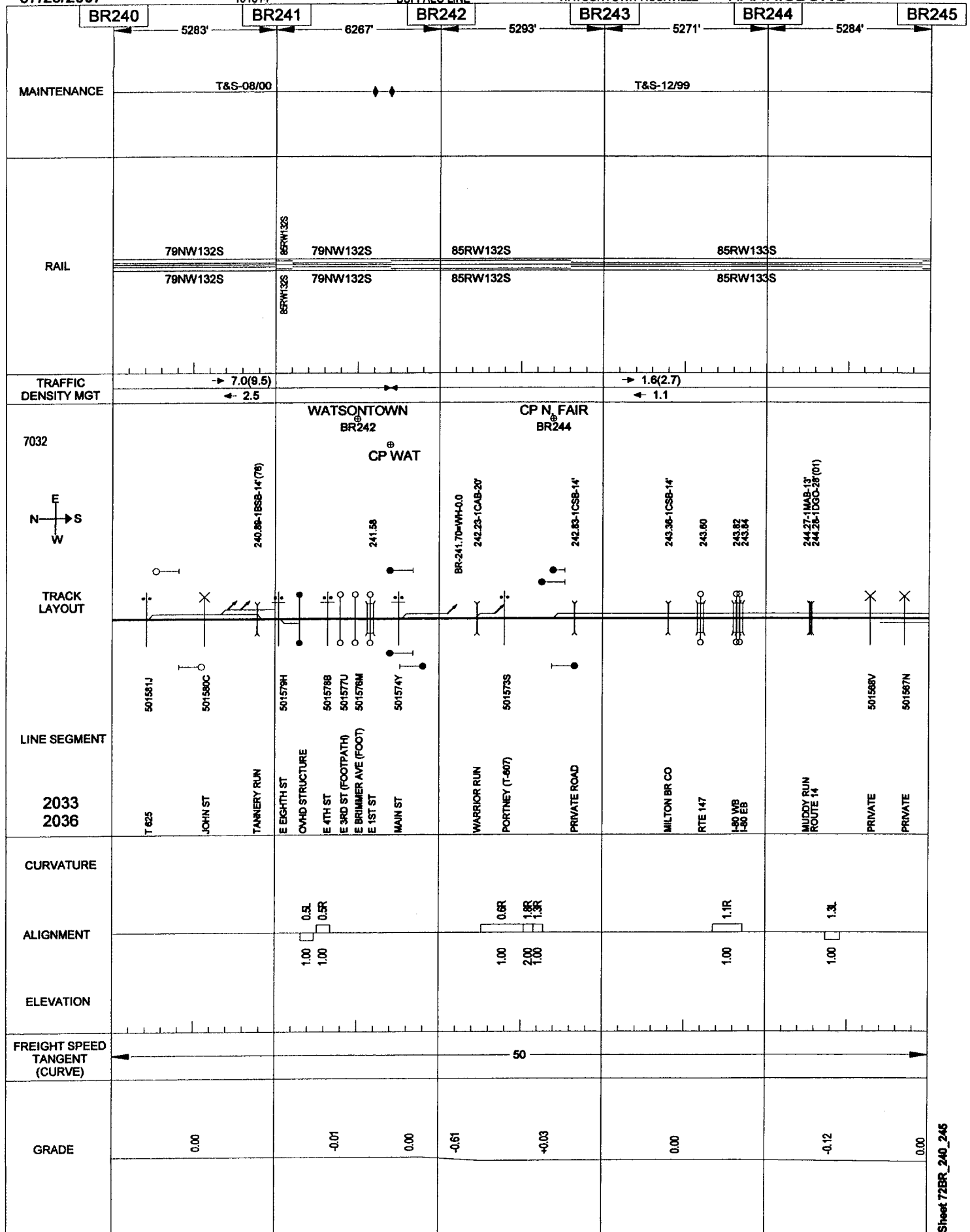
101314

177

BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG



07/25/2007

101314

178  
BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG

BR245

BR246

BR247

BR248

BR249

BR250

5279'

5291'

5269'

5286'

5282'

MAINTENANCE

T&amp;S-12/99

RAIL

85RW132S

85RW140S

02NW132S

85RW140S

85RW132S

02NW132S

85RW140S

TRAFFIC  
DENSITY MGT→ 1.6(2.7)  
← 1.1

7032

CP S FAIR  
BR245(MILTON)  
BR246(MONTANDON)<sup>®</sup>TRACK  
LAYOUT246.22-1060-34'(04)  
246.25-1168-34'

SHIPPERS CAR

247.59-1168-12'

MILT. COATING

WEIS MARKETS

LINE SEGMENT

2036

501566G

501565A

501564T

501563L

501560R

501561X

501559W

501557H

501556B

LOCUST ST

WALNUT ST

BROADWAY

CENTER ST

LIMESTONE RUN

RACE STREET

MAYHONING ST

CAMERON AVE

PRIVATE

UNION COUNTY

HOUSERS RUN

HOUSEL RUN RD

MAIN ST

CURVATURE

ALIGNMENT

0.6R

0.6R

0.2R

0.6L

0.9R

0.9L

ELEVATION

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

+0.36

0.00

-0.60

-0.17

-0.01

0.00

-0.16

0.00

-0.10

07/25/2007

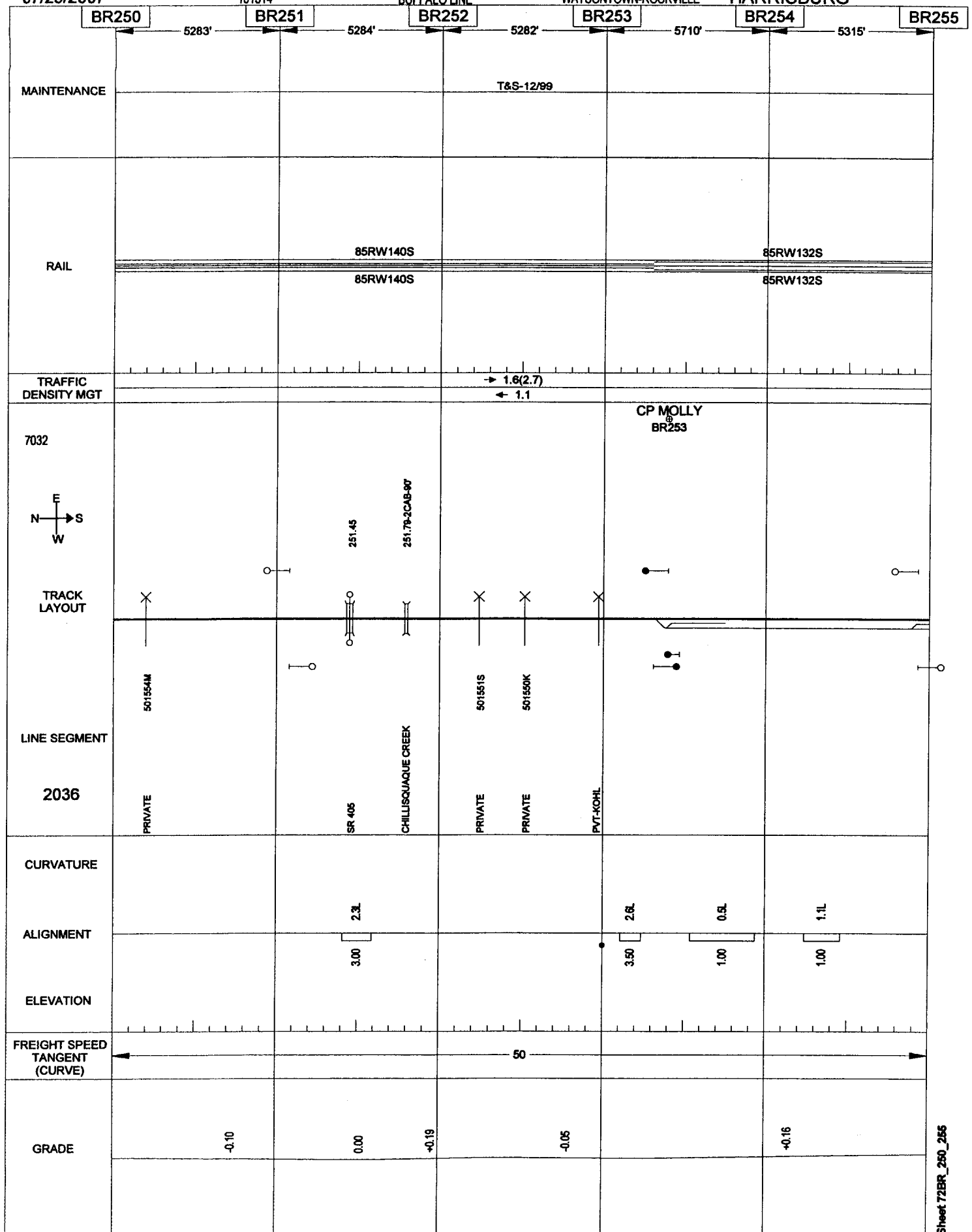
101314

179

BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG



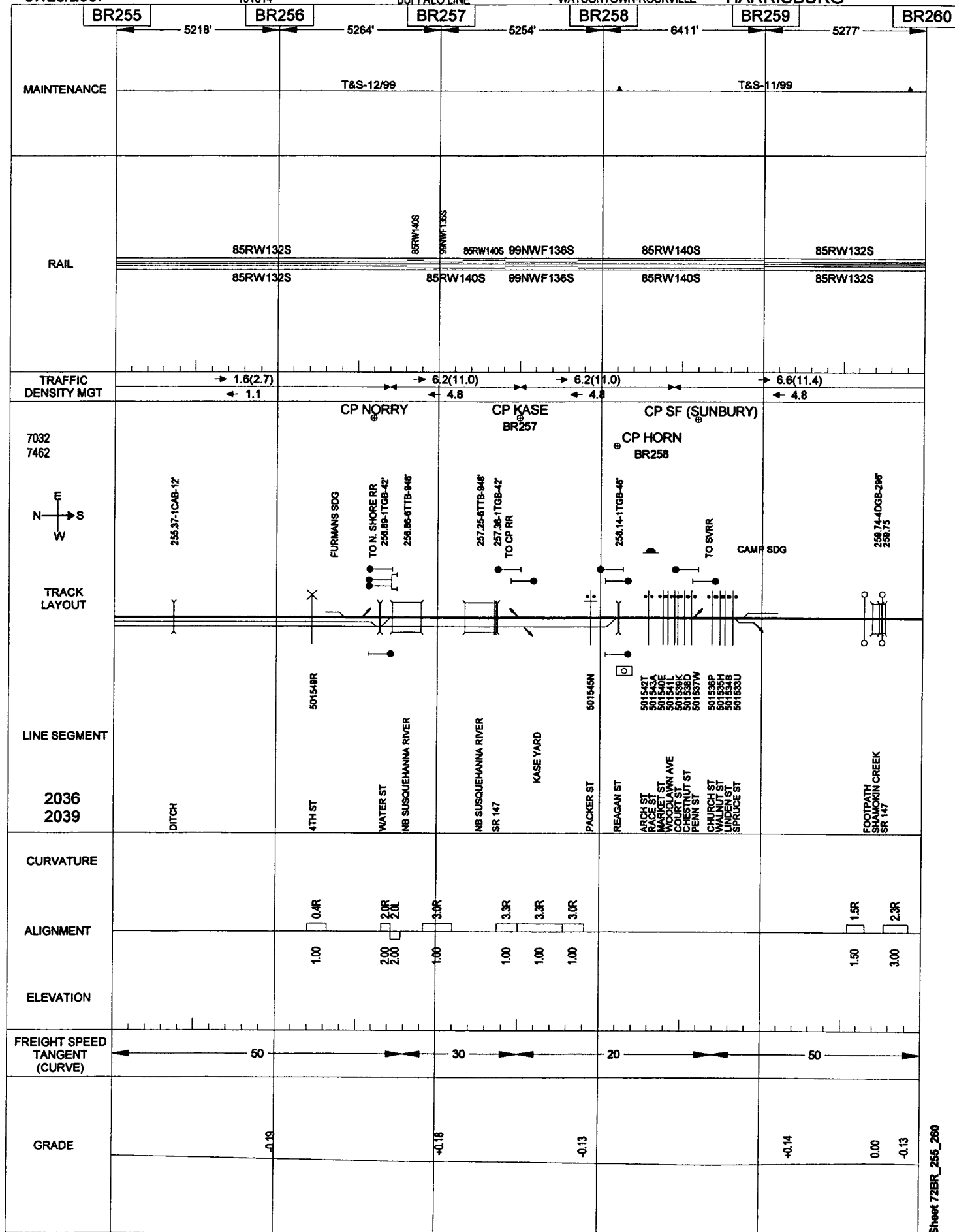
07/25/2007

101314

180  
BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG



07/25/2007

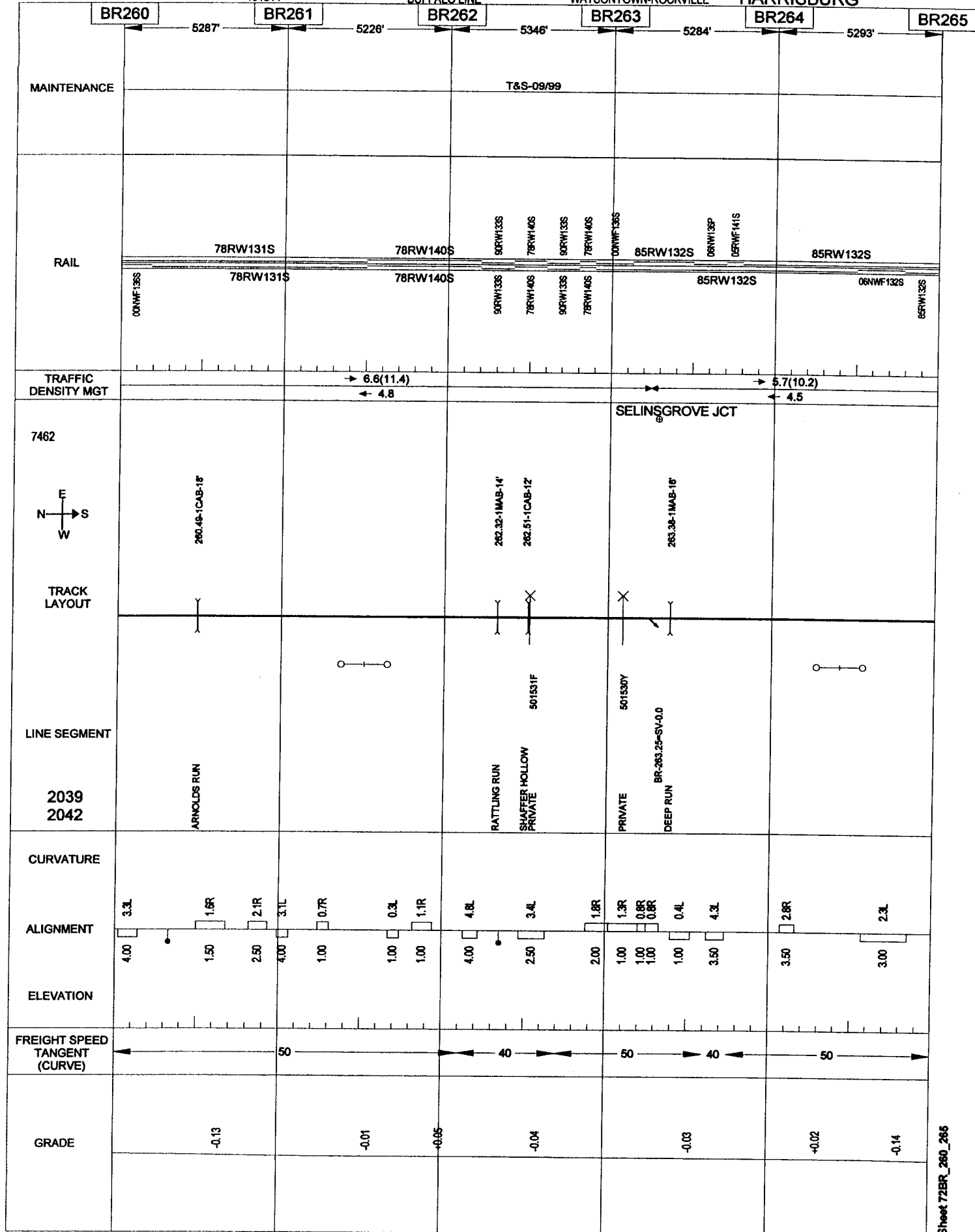
101314

181

BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG





07/25/2007

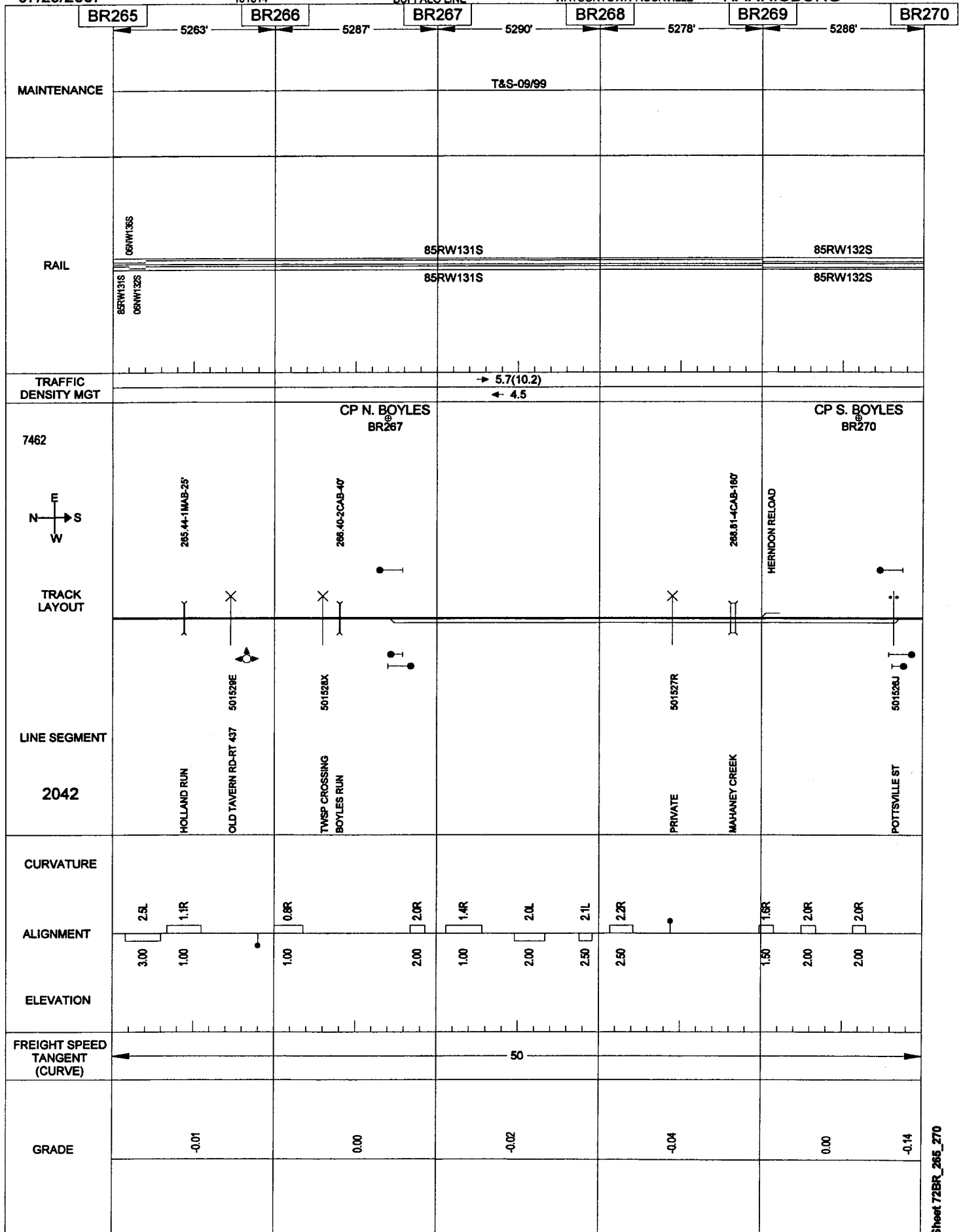
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182

BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG



07/25/2007

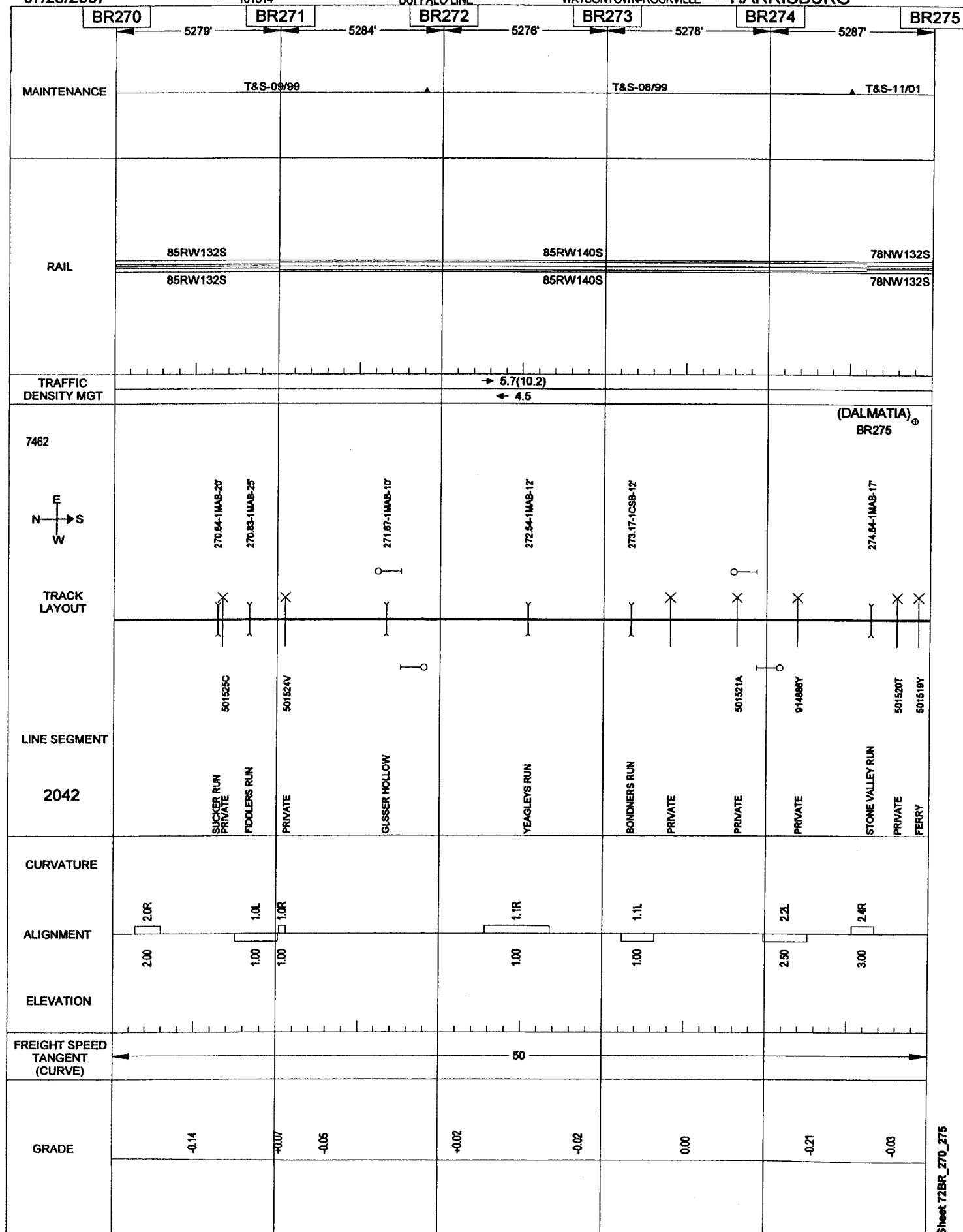
101314

183

BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG



07/25/2007

101314

184  
BUFFALO LINE

WATSON TOWN-ROCKVILLE

HARRISBURG

BR275

BR276

BR277

BR278

BR279

BR280

5282'

5300'

5293'

5285'

5281'

MAINTENANCE

T&amp;S-11/01

RAIL

78NW132S

90RW133S

78NW132S

01NW132S

78NW132S

90RW133S

78NW140S

78NW132S

90RW133S

78NW132S

90RW133S

78NW140S

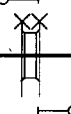
TRAFFIC  
DENSITY MGT→ 5.7(10.2)  
← 4.5

7462

TRACK  
LAYOUT

275.31-1CSB-18'

278.02-1MAB-18'

NORTHUMBERLAND CO.  
DAUPHIN CO.517885C  
517884V

LINE SEGMENT

2042

BALSAM HOLLOW RUN

ZERBY'S RUN

TWSP RD  
MAHANTANGO CREEK  
TWSP RIVER RD

517880T

PRIVATE

CURVATURE

ALIGNMENT

ELEVATION

1.0R  
1.001.5L  
1.502.1L  
2.502.0R  
2.002.5L  
3.503.3R  
2.501.0R  
1.00FREIGHT SPEED  
TANGENT  
(CURVE)

50

40

50

GRADE

0.00

-0.20

0.00

-0.08

+0.02

-0.05

07/25/2007

101314

185

BUFFALO LINE

WATSON TOWN-ROCKVILLE

HARRISBURG

BR280

BR281

BR282

BR283

BR284

BR285

5311'

5280'

5198'

5279'

5294'

MAINTENANCE

T&amp;S-11/01

T&amp;S-08/06

T&amp;S-11/01

RAIL

78NW140S

03NWF141S

78NW140S

78NW140S

87NW132S

78NW140S

87NW132S

78NW140S

TRAFFIC  
DENSITY MGT

→ 5.7(10.2)

← 4.5

7462

CP N. MILLER  
BR281CP S. MILLER  
BR283(MILLERSBURG)  
BR285

TRACK  
LAYOUT

LINE SEGMENT

2042

517963N

283.22

284.43-1MAB-25'

284.97-3DGO-172' (03)

NOLLS

PRIVATE RD

TROUTMAN

PRIVATE

CUMMINGS

BOWMAN ST

SHIPPEY'S RUN

MOORE ST

NORTH ST

CENTER ST

PINE ST

WICONISCO CREEK ROAD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

1.0R

0.5R

0.4R

0.4L

0.3L

2.3L

3.0L

1.8R

2.0R

2.1R

1.6R

3.1R

1.00

1.00

1.00

1.00

1.00

4.00

4.00

2.00

2.00

2.50

1.50

2.00

50

40

-0.05

-0.05

-0.01

-0.02

-0.06

-0.07

0.00

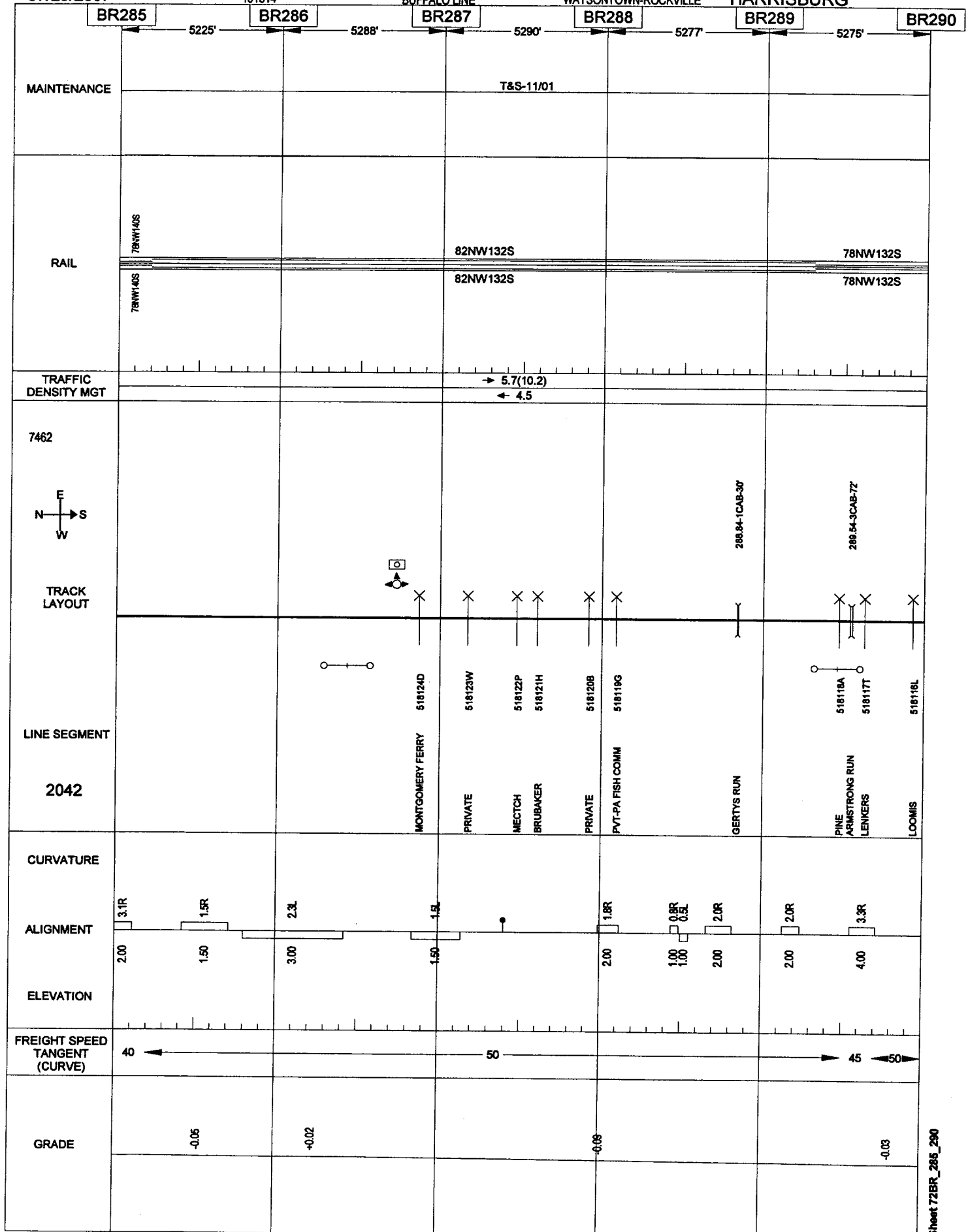
07/25/2007

101314

186  
BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG



07/25/2007

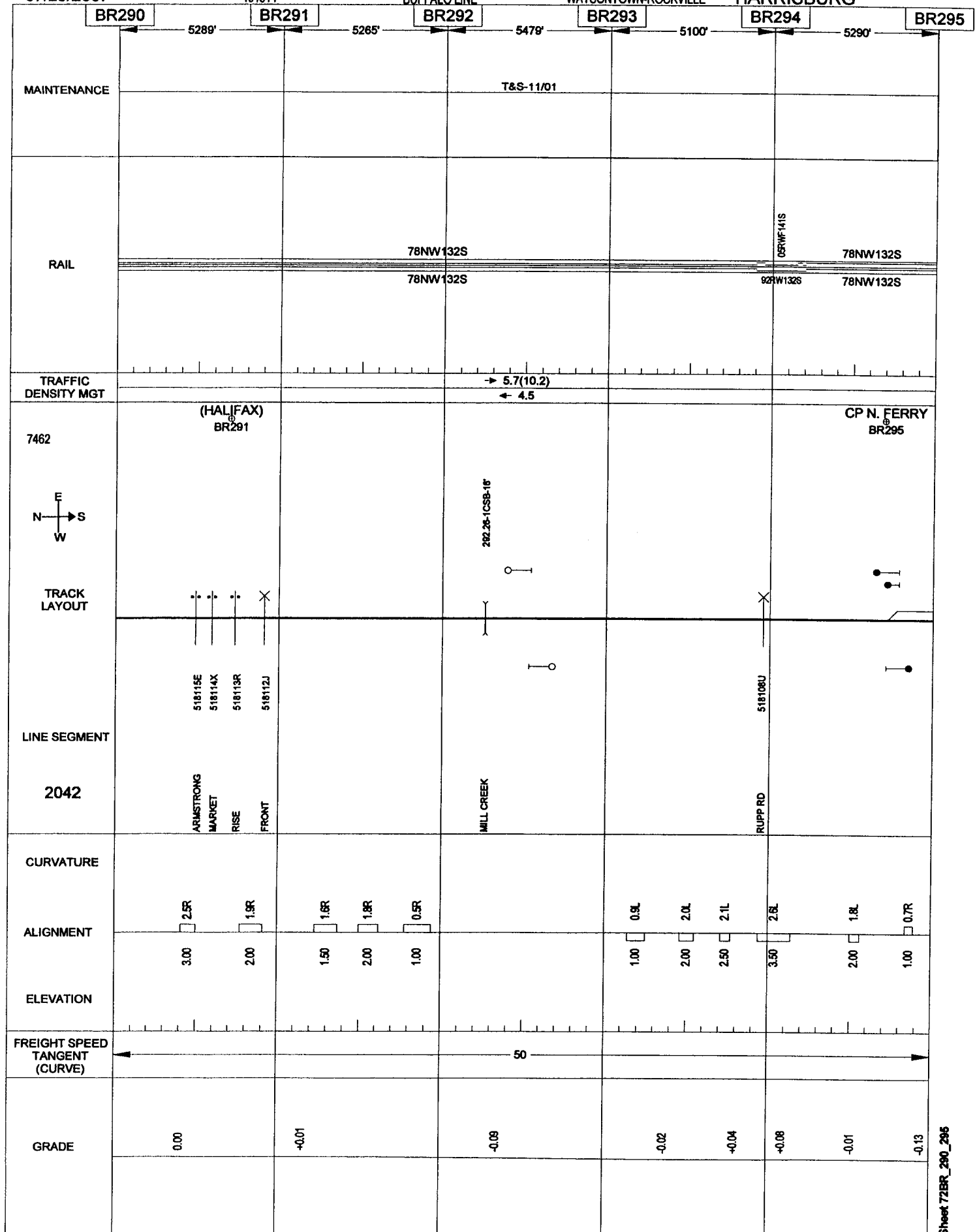
101314

187

BUFFALO LINE

WATSON TOWN-ROCKVILLE

HARRISBURG



07/25/2007

101314

188

BUFFALO LINE

WATSON TOWN-ROCKVILLE

HARRISBURG

BR295

BR296

BR297

BR298

BR299

BR300

5272'

5275'

5200'

5321'

5278'

MAINTENANCE

T&amp;S-11/01

RAIL

78NW132S

90RW133S

78NW132S

83RW140S

78NW132S

90RW133S

83RW140S

TRAFFIC  
DENSITY MGT

→ 5.7(10.2)

← 4.5

CP S. FERRY  
BR298

7462

E  
N → S  
W

TRACK  
LAYOUT

295.40

295.78-2145-64'

S FERRY SET OFF

296.04

LINE SEGMENT

2042

SR 147

POWELLS CREEK  
INGLENOK RD

INGLENOK

US 22

BEAMER LN

A M SPECE

518108F

518105Y

518103K

518102D

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

-0.01

-0.05

0.00

-0.08

-0.22

07/25/2007

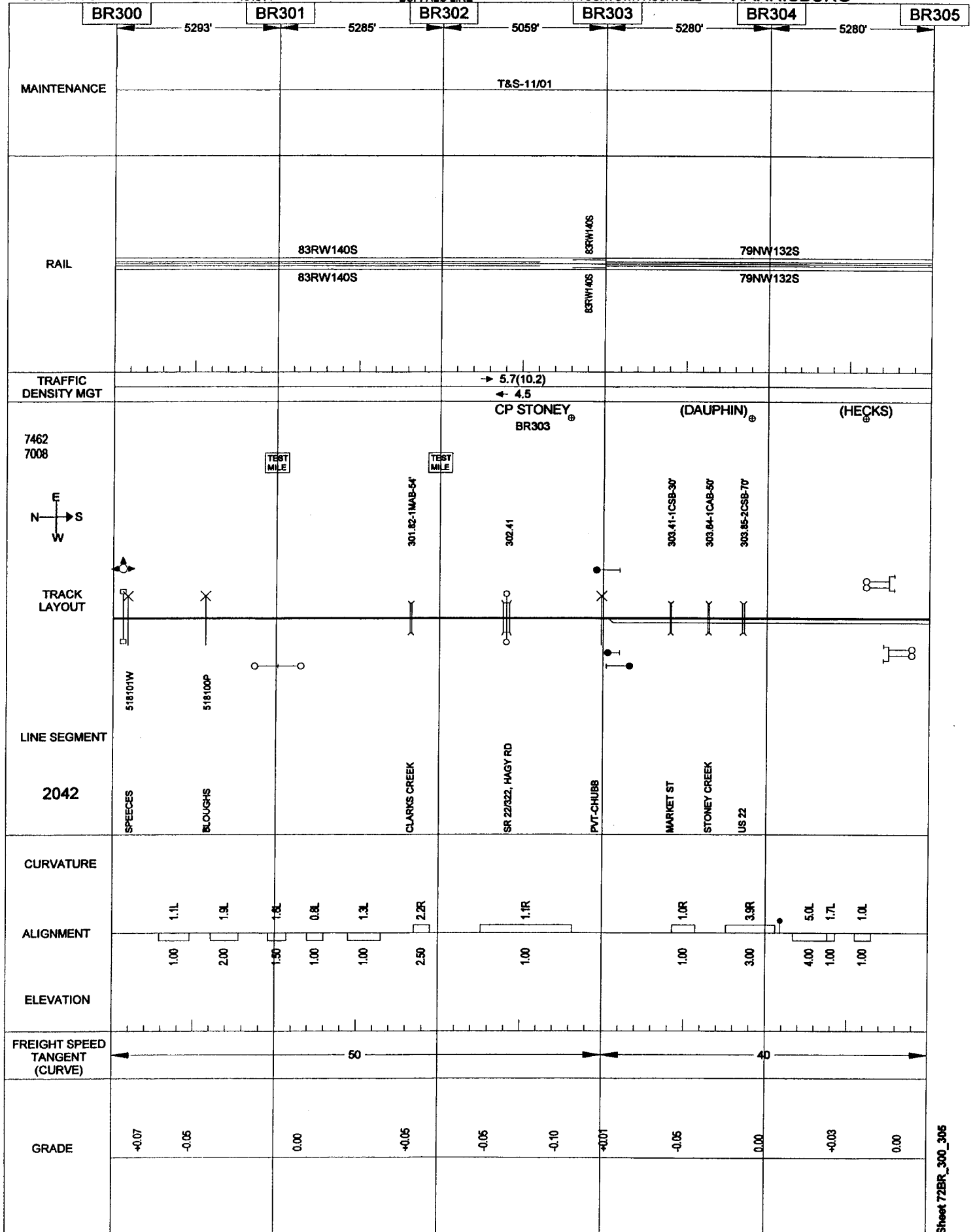
101314

189

BUFFALO LINE

WATSONTOWN-ROCKVILLE

HARRISBURG





07/25/2007

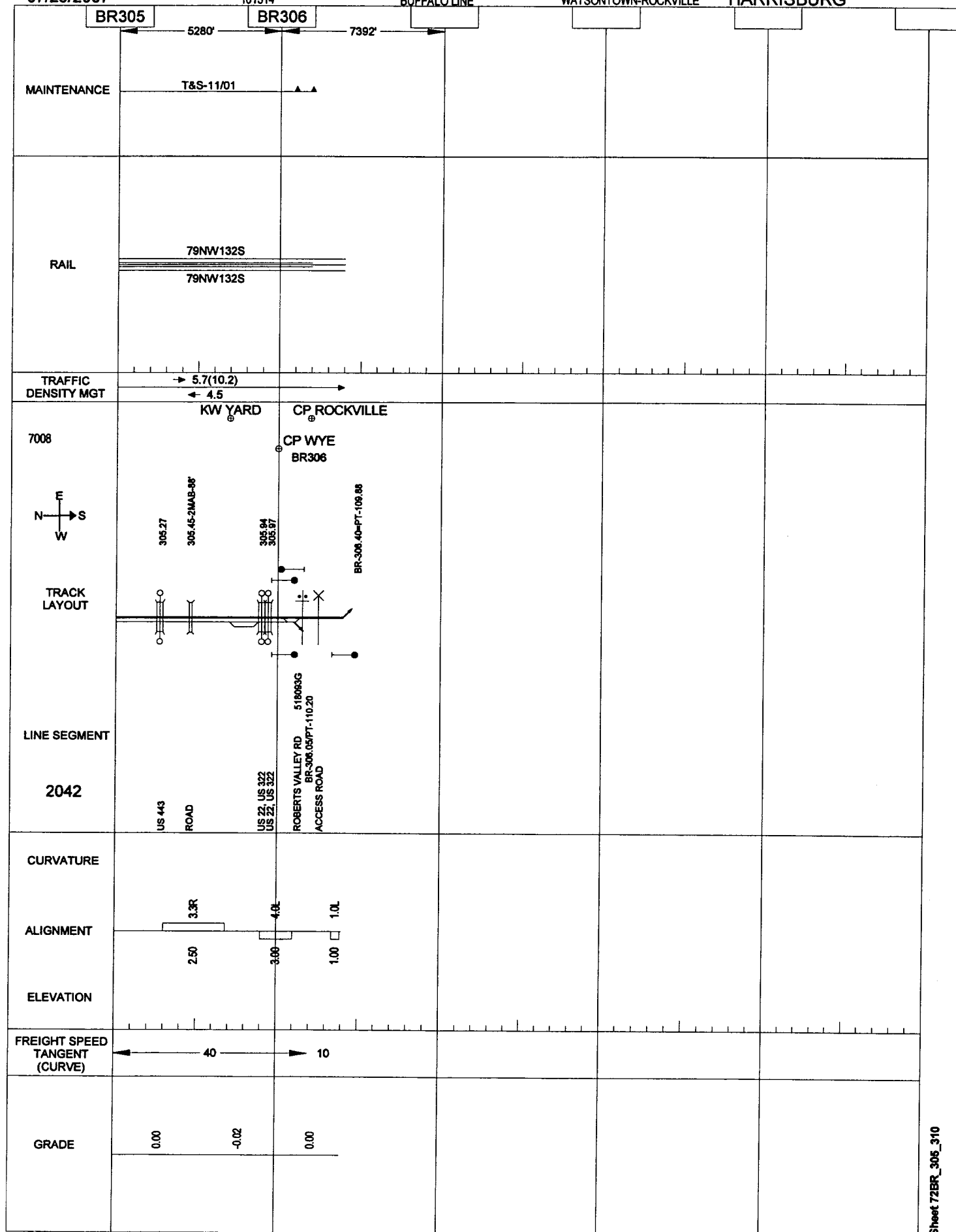
101314

190

BUFFALO LINE

WATSON TOWN-ROCKVILLE

HARRISBURG



302339

191  
FARMERS VALLEY SEC.

CLERMONT-FARM

## HARRISBURG

FV5

FV0

FV1

FV2

FV3

FV4

## MAINTENANCE

T&S-06/80  
S-06/89

RAIL

**80RW127S**

**80RW127S**

TRAFFIC  
DENSITY MGT

0.2(0.3)  
← 0.1

► 0.2(0.3)  
◄ 0.1

CLERMONT

(CORRYVILLE)

**FARM**

7205

## TRACK LAYOUT

## LINE SEGMENT

2480  
2483

## CURVATURE

## ALIGNMENT

### ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

- 25

**GRADE**

13

21

24

06

19

89

0

10.

07/25/2007

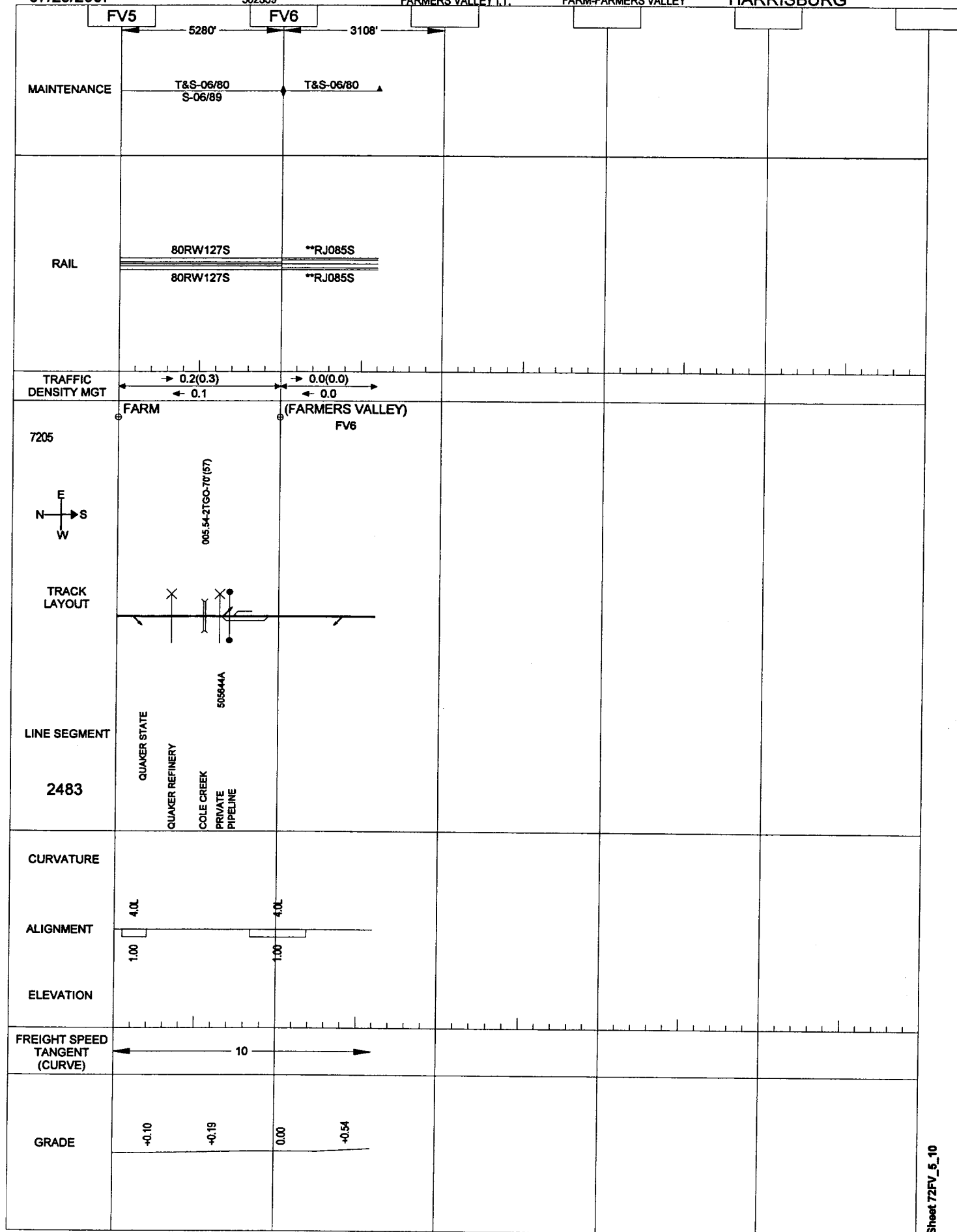
302339

192

FARMERS VALLEY I.T.

FARM-FARMERS VALLEY

HARRISBURG



07/25/2007

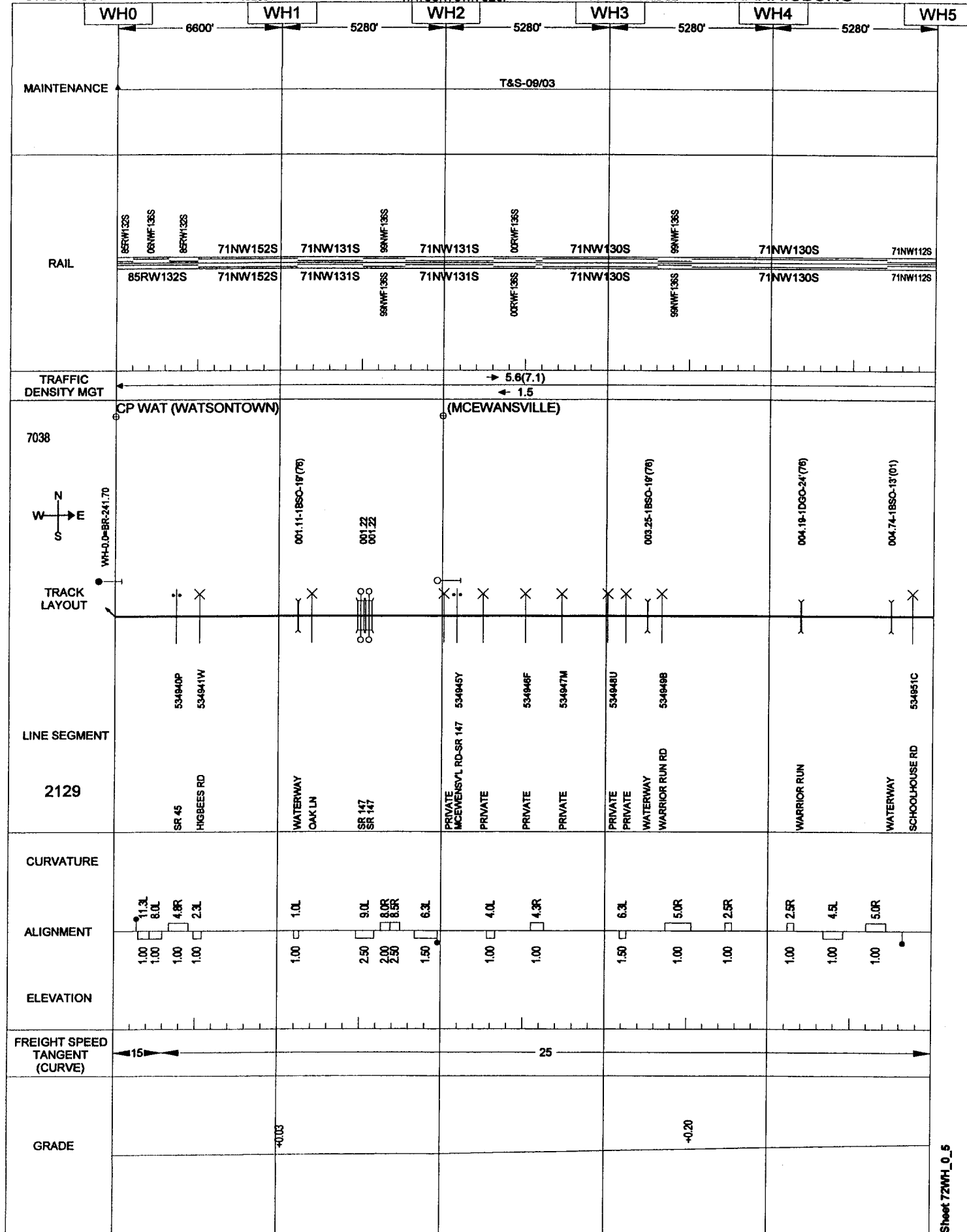
102331

193

WATSON TOWN SEC.

WATSON TOWN-RIDGE

HARRISBURG



07/25/2007

102331

194

WATSON TOWN SEC.

WATSON TOWN RIDGE

HARRISBURG

	WH5	WH6	WH7	WH8	WH9	WH10
	5280'	5280'	5280'	5280'	5280'	5280'
MAINTENANCE	T&S-09/03					
RAIL	71NW12S 90RW13S 71NW112S	90RW13S 71NW12S 03RW13S 71NW12S 71NW107S	03RW13S 71NW107S 00RW13S 71NW107S	03RW13S 71NW107S	71NW107S	71NW107S
TRAFFIC DENSITY MGT	→ 5.6(7.1) ← 1.5			→ 5.5(7.0) ← 1.5		
7038	(TURBOTVILLE) WH6		(SCHUYLER) WH8		OTTAWA WH9	
	005.37-1 DSO-37 (92)	006.42-1 BSO-15 (99)		008.23-2 BSO-34 (91) 008.60-1 BSO-19 (91)		
TRACK LAYOUT	X +     	X     	X X     	X X     	X     	+     
LINE SEGMENT	534852J	534853R	534855E 534854K	534856L 534857T 534856A	534859G	534900B
2129	FARM RD WATERWAY MAIN	PRIVATE WATERWAY	BEAVER RUN RD OLD STATE RD	PRIVATE OLD SWAMP RD SCHUYLER RD	WATERWAY GARDNER RD WATERWAY PRIVATE	OTTAWA RD
CURVATURE						
ALIGNMENT	5.4R 1.00	5.5R 2.0R 3.1R 1.00 1.00	2.5L 5.0L 1.00 1.00	4.0R 1.00		
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)			25			
GRADE	-0.20	-0.27		-0.09		-0.01

## HARRISBURG

WH14

1594

T&S-06/74  
S-06/84

**25RJ100**

→ 0.0(0.0)

(DERRY)

014.17-1DGO-24'

## 2.3R

**1.00**

- 10

36

07/25/2007

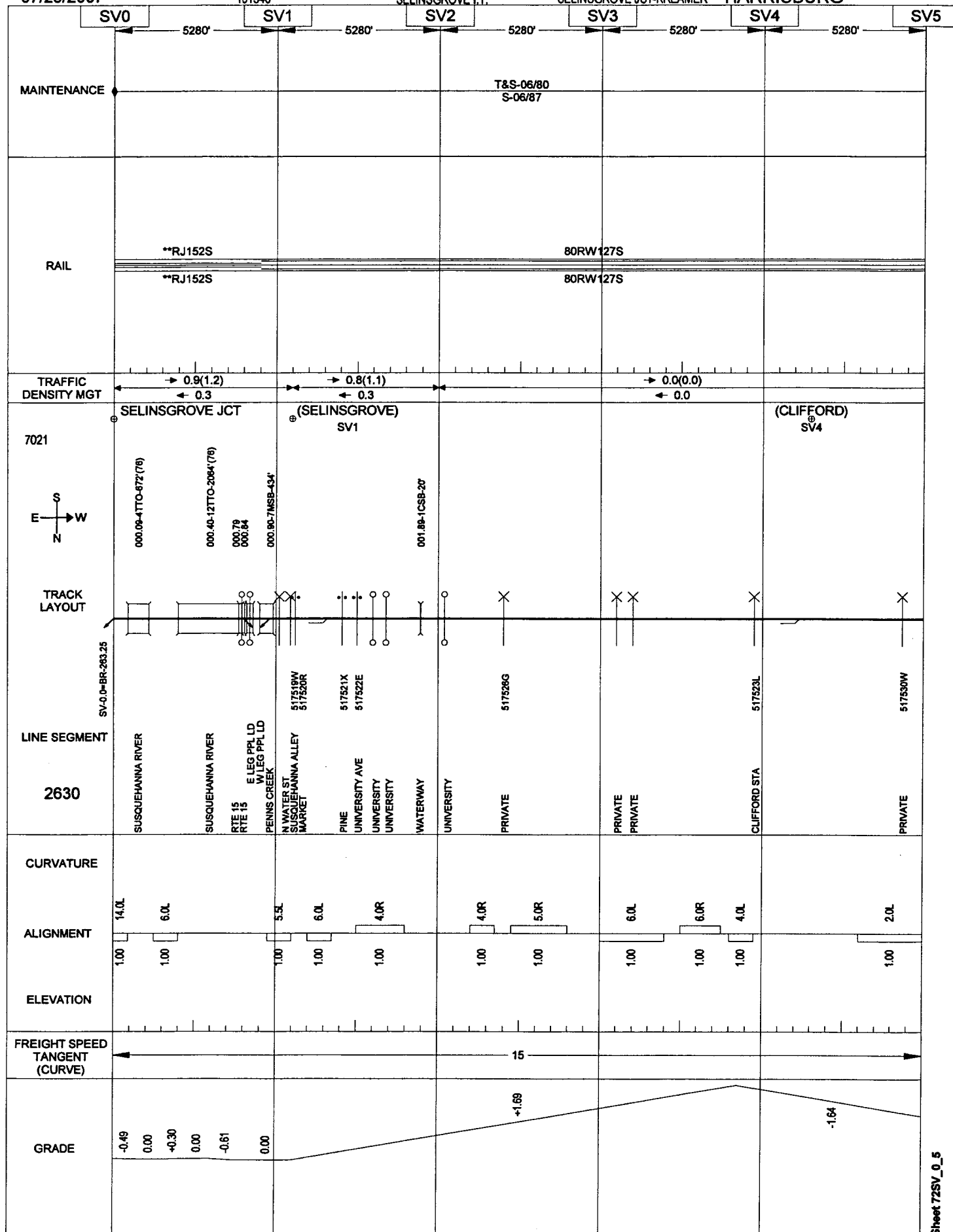
101346

196

SELINGROVE I.T.

SELINGROVE JCT-KREAMER

HARRISBURG



07/25/2007

101346

197

SELINGSGROVE I.T.

SELINGSGROVE JCT-KREAMER

HARRISBURG

SV5

SV6

SV7

5280'

5280'

5280'

MAINTENANCE

T&S-06/80  
S-06/87

T&amp;S-06/80

RAIL

80RW127S

\*\*RJ152S

80RW127S

\*\*RJ152S

TRAFFIC  
DENSITY MGT→ 0.0(0.0)  
← 0.0

(PAWLING)

(KREAMER)  
SV8

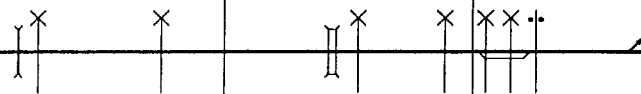
7021



006.18-1MA8-20'

008.42-2TGO-168' (76)

KREAMER FEED

TRACK  
LAYOUT

LINE SEGMENT

517531D

PAWLING STATION  
PRIVATE

PRIVATE

MIDDLE CR  
BINGAMAN LUMBER

WOODMODE

517538M

2ND ST

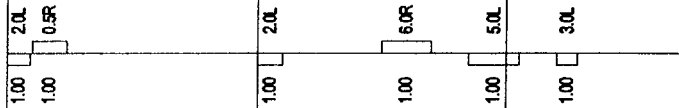
517537U

1ST ST  
FREEBURG ROAD

2630

CURVATURE

ALIGNMENT



ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

-1.64

+0.22

-0.23

+0.13



07/25/2007

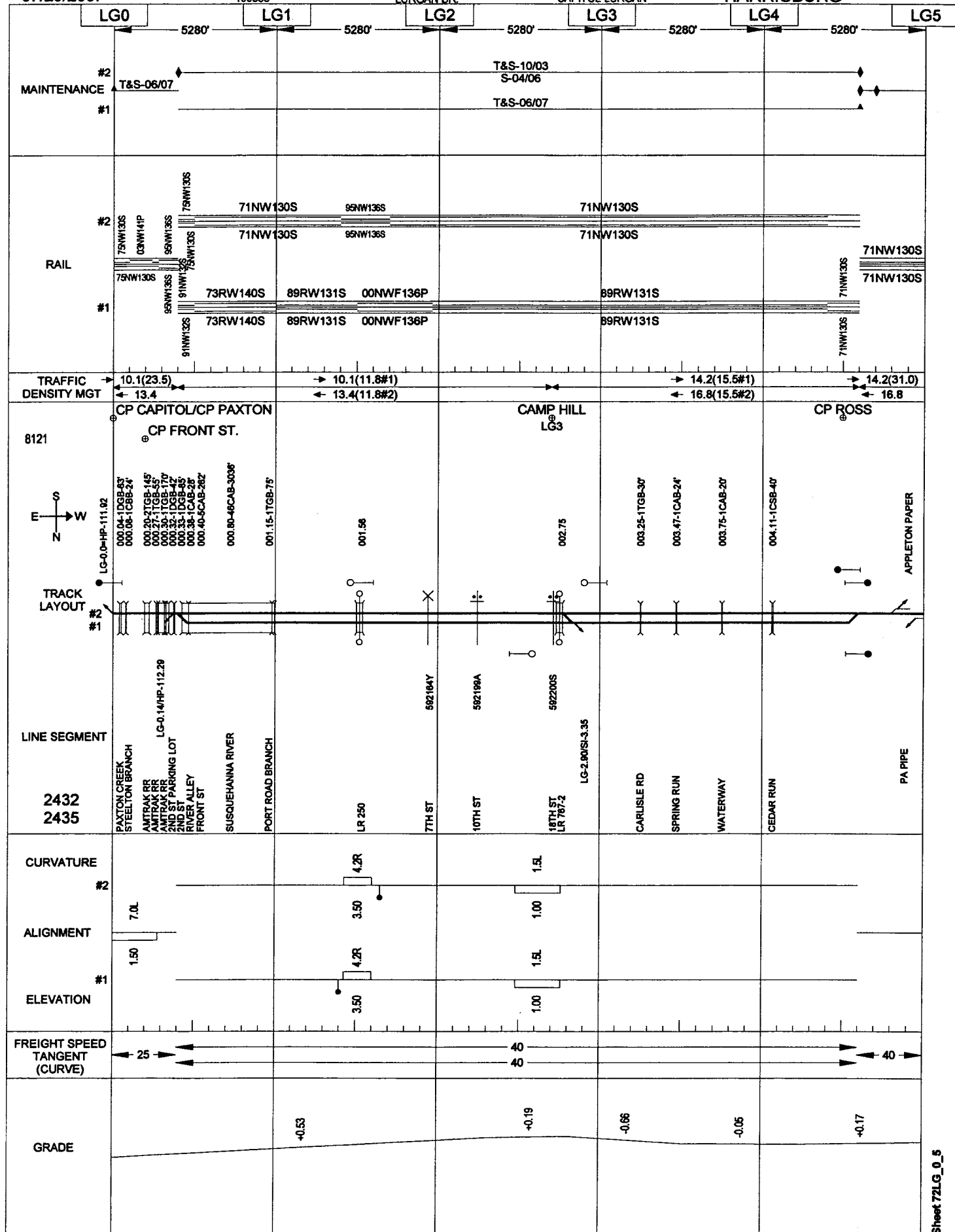
100333

198

LURGAN BR

CAPITOL-LURGAN

HARRISBURG



07/25/2007

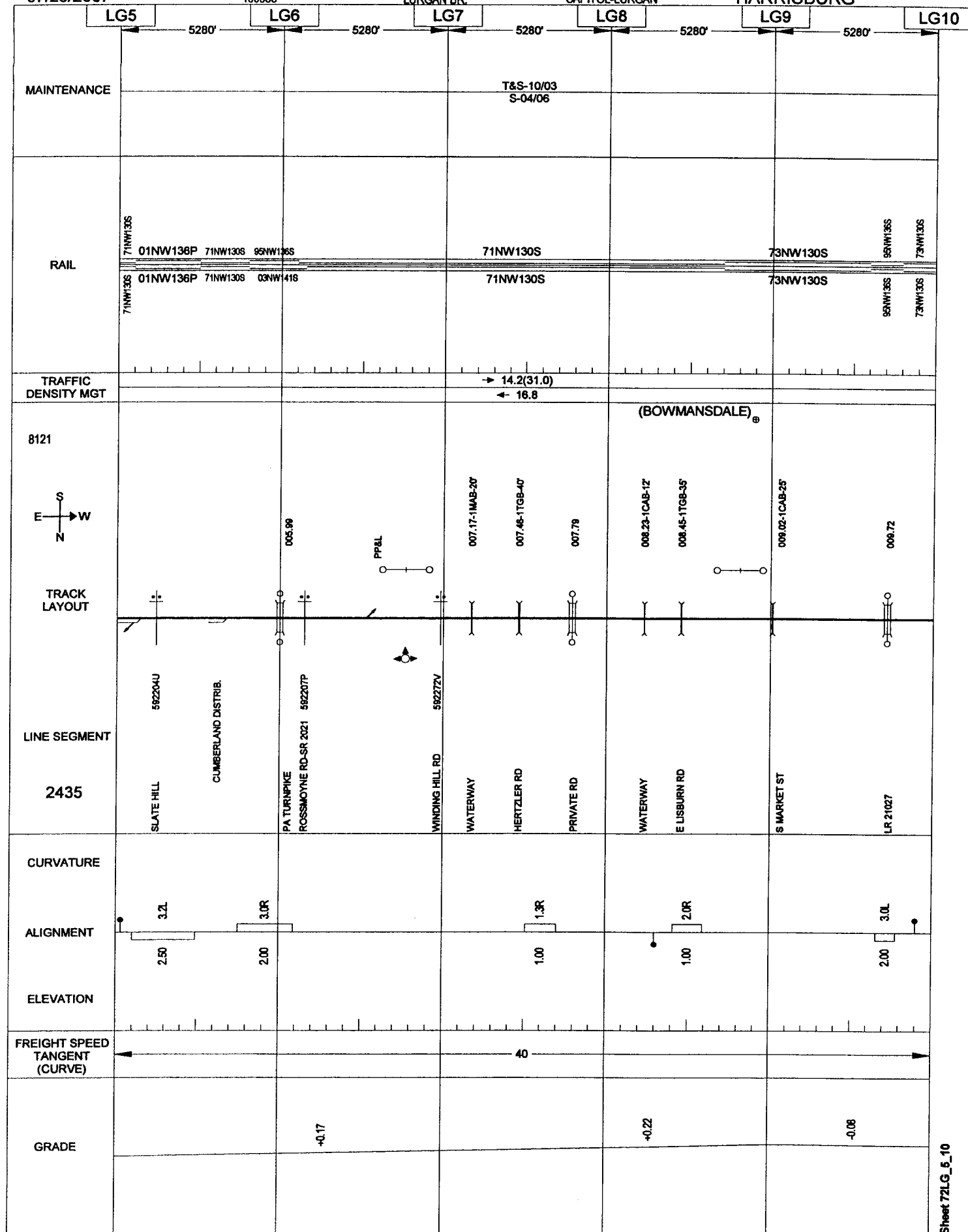
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199

LURGAN BR.

CAPITOL-LURGAN

HARRISBURG



07/25/2007

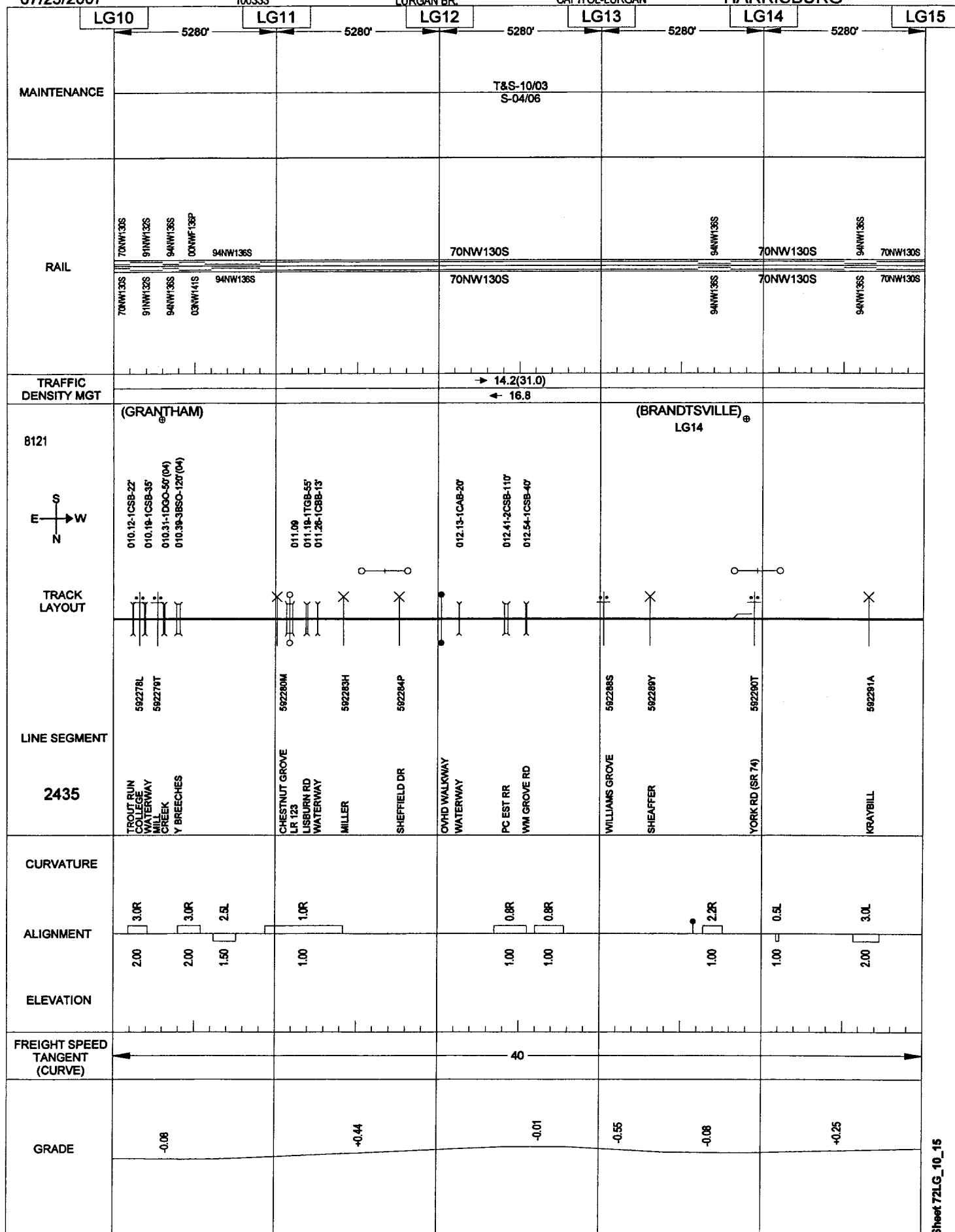
100333

200

LURGAN BR.

CAPITOL-LURGAN

HARRISBURG



07/25/2007

100333

201

LURGAN BR.

CAPITOL-LURGAN

HARRISBURG

LG15

LG16

LG17

LG18

LG19

LG20

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-10/03  
S-04/06

T&amp;S-09/06

RAIL

70NW130S

95NW136S

90RW131S

04NW141S

70NW130S

93NW136S

70NW130S

95NW136S

70NW130S

90RW131S

68RW130S

92NW136S

70NW130S

95NW136S

90RW131S

04NW141S

70NW130S

93NW136S

70NW130S

95NW136S

70NW130S

90RW131S

68RW130S

92NW136S

TRAFFIC  
DENSITY MGT

→ 14.2(31.0)

← 16.8

(BOILING SPRINGS)

CP SPRING

8121



015.17-3DGB-135'

015.45-1CSB-25'

015.54-3MSB-190'(86)

TRACK  
LAYOUT

LINE SEGMENT

2435

CREEK RD  
Y BREECHESWATERWAY  
LEIGH DR

YELLOW BREECHES CRK

LEAR

CRISWELL RD

MOUNTAIN RD

TANGER

OTTO

OTTO

TARKILM RUN  
PETERSBURG RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

2.0R

3.0R

2.0L

1.0R

4.3L

6.0R

4.0L

4.3R

3.0R

1.00

2.00

1.00

1.00

3.50

4.00

2.00

3.50

2.00

40

35

40

+0.25

+0.49

07/25/2007

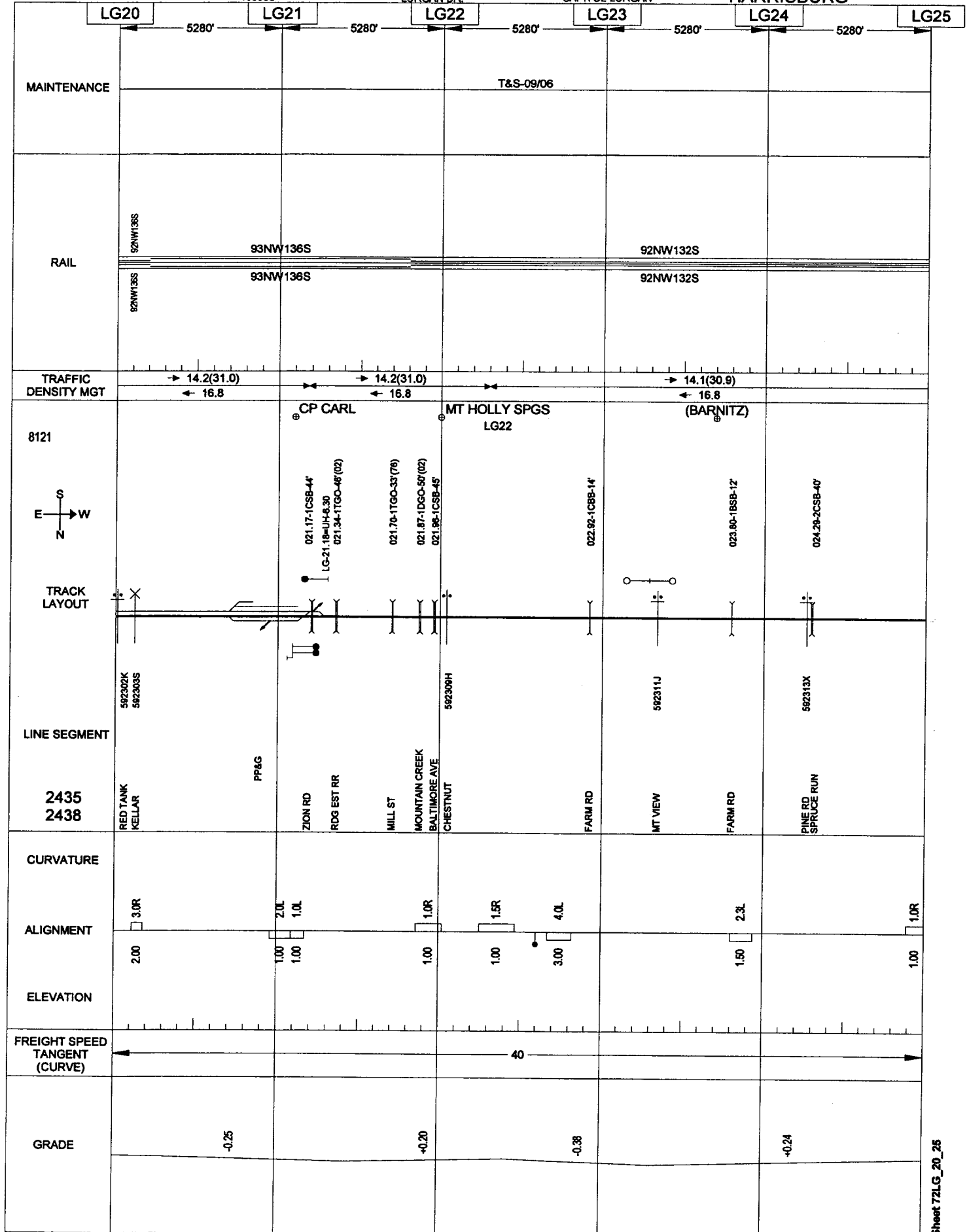
100333

202

LURGAN BR

CAPITOL-LURGAN

HARRISBURG



07/25/2007

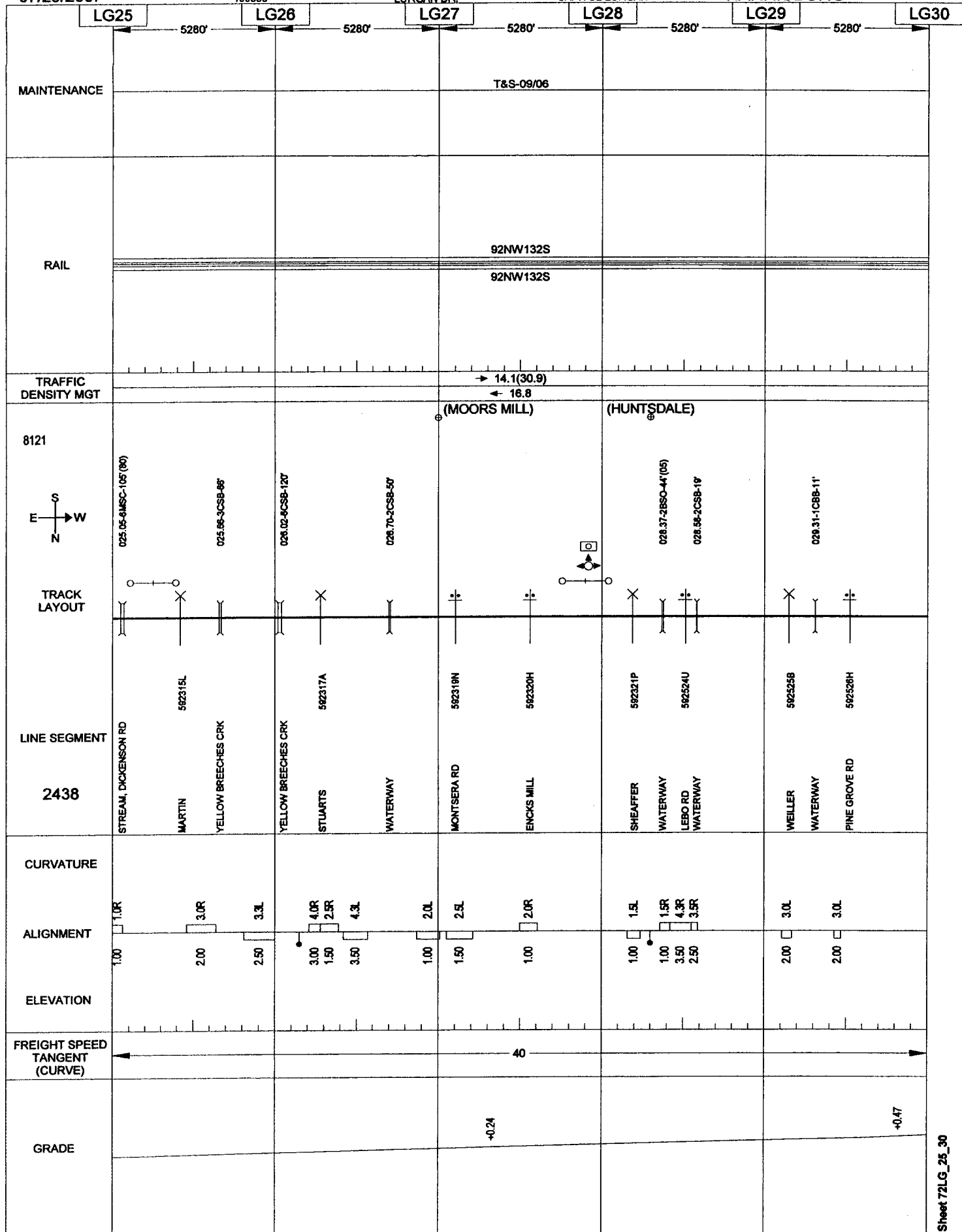
100333

203

LURGAN BR.

CAPITOL-LURGAN

HARRISBURG



07/25/2007

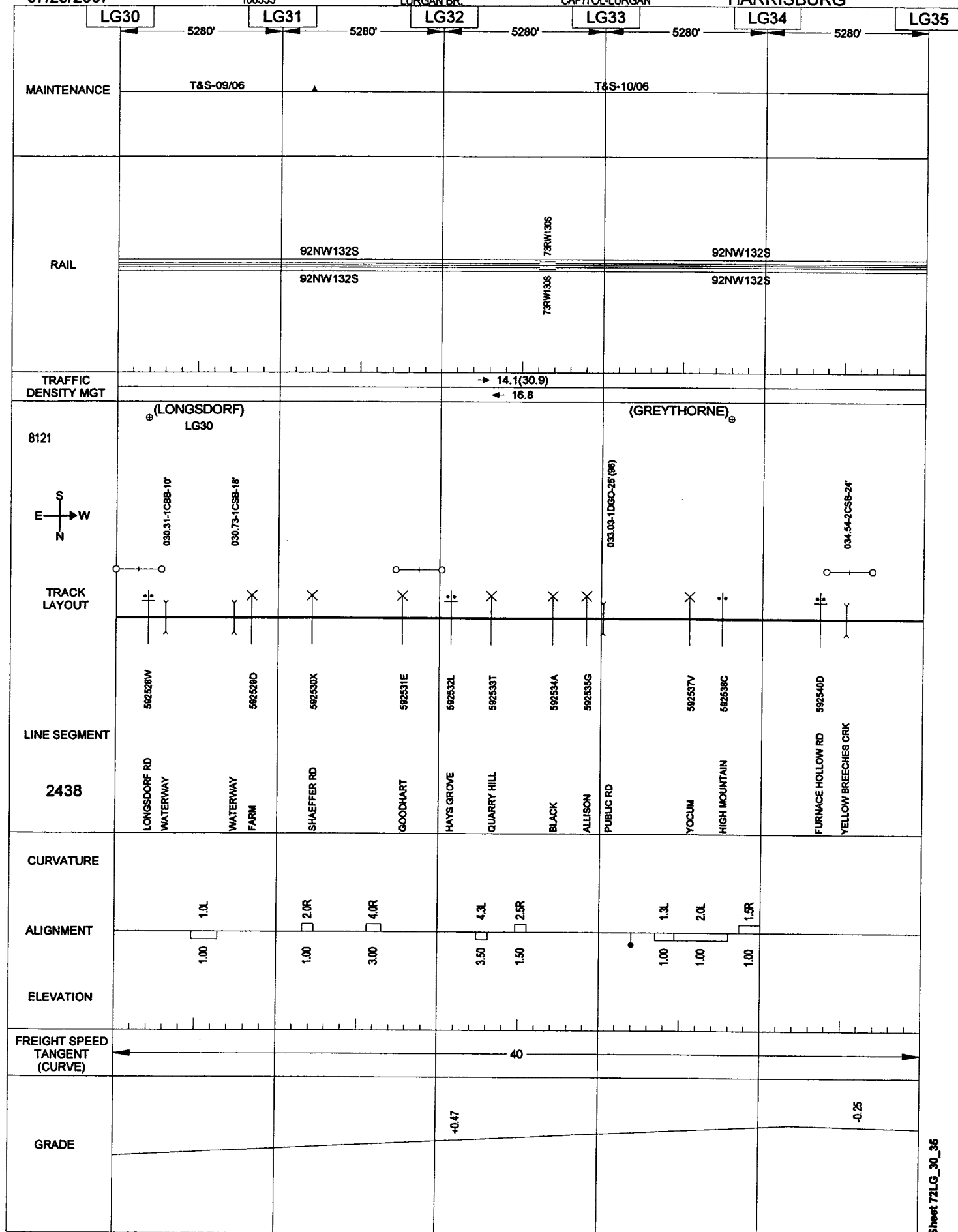
100333

204

LURGAN BR.

CAPITOL-LURGAN

HARRISBURG



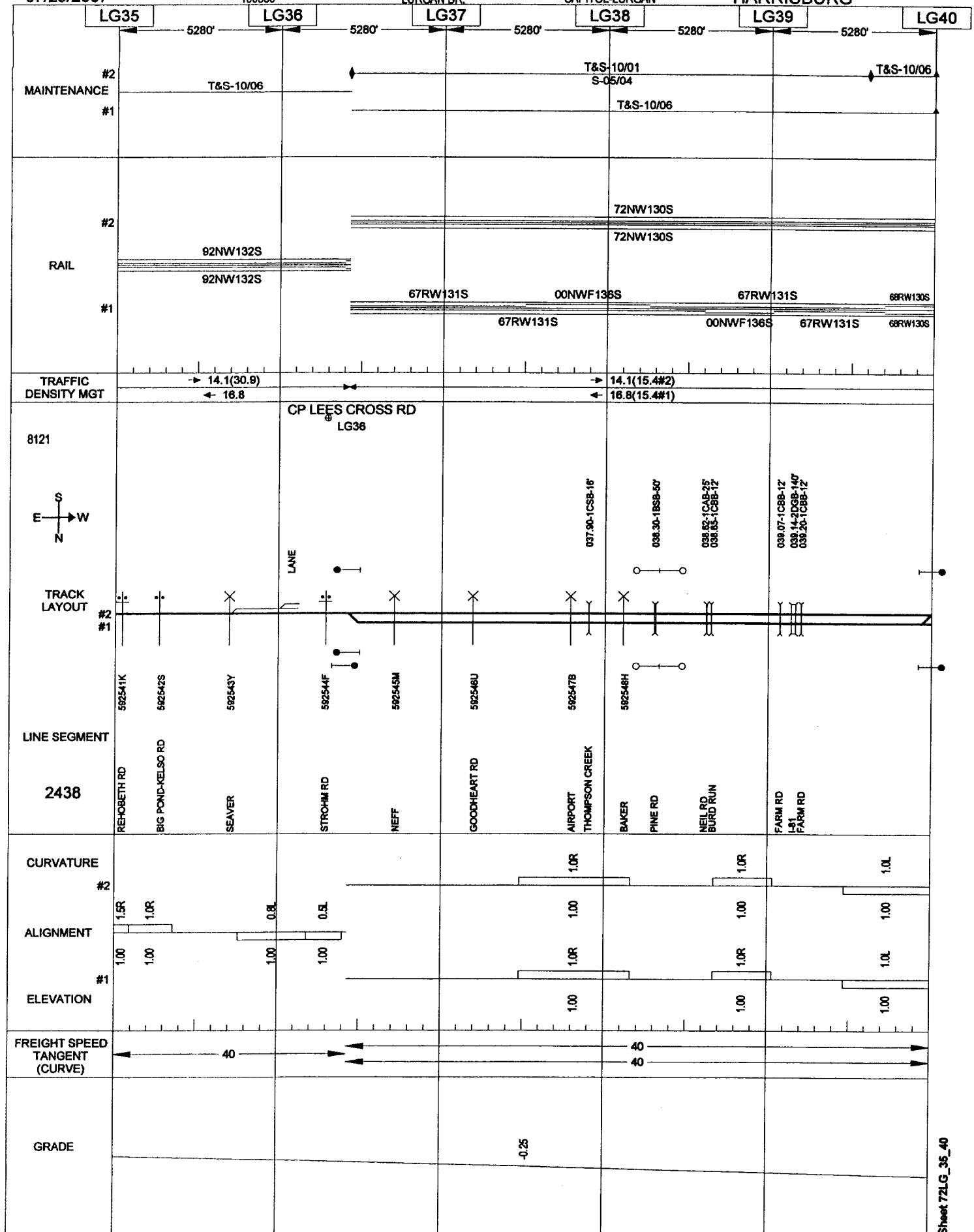
07/25/2007

100333

205  
LURGAN BR.

CAPITOL-LURGAN

HARRISBURG





07/25/2007

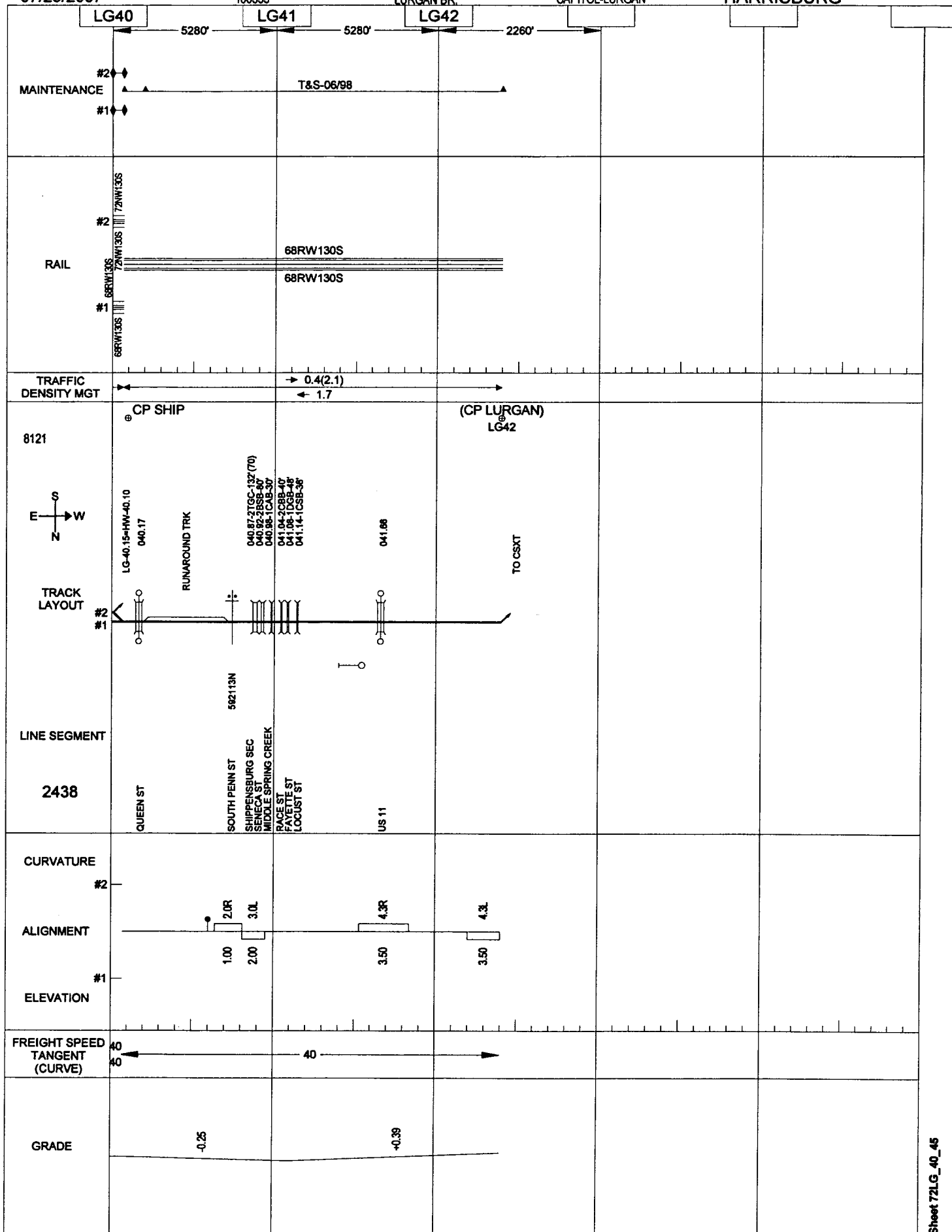
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206

LURGAN BR.

CAPITOL-LURGAN

HARRISBURG



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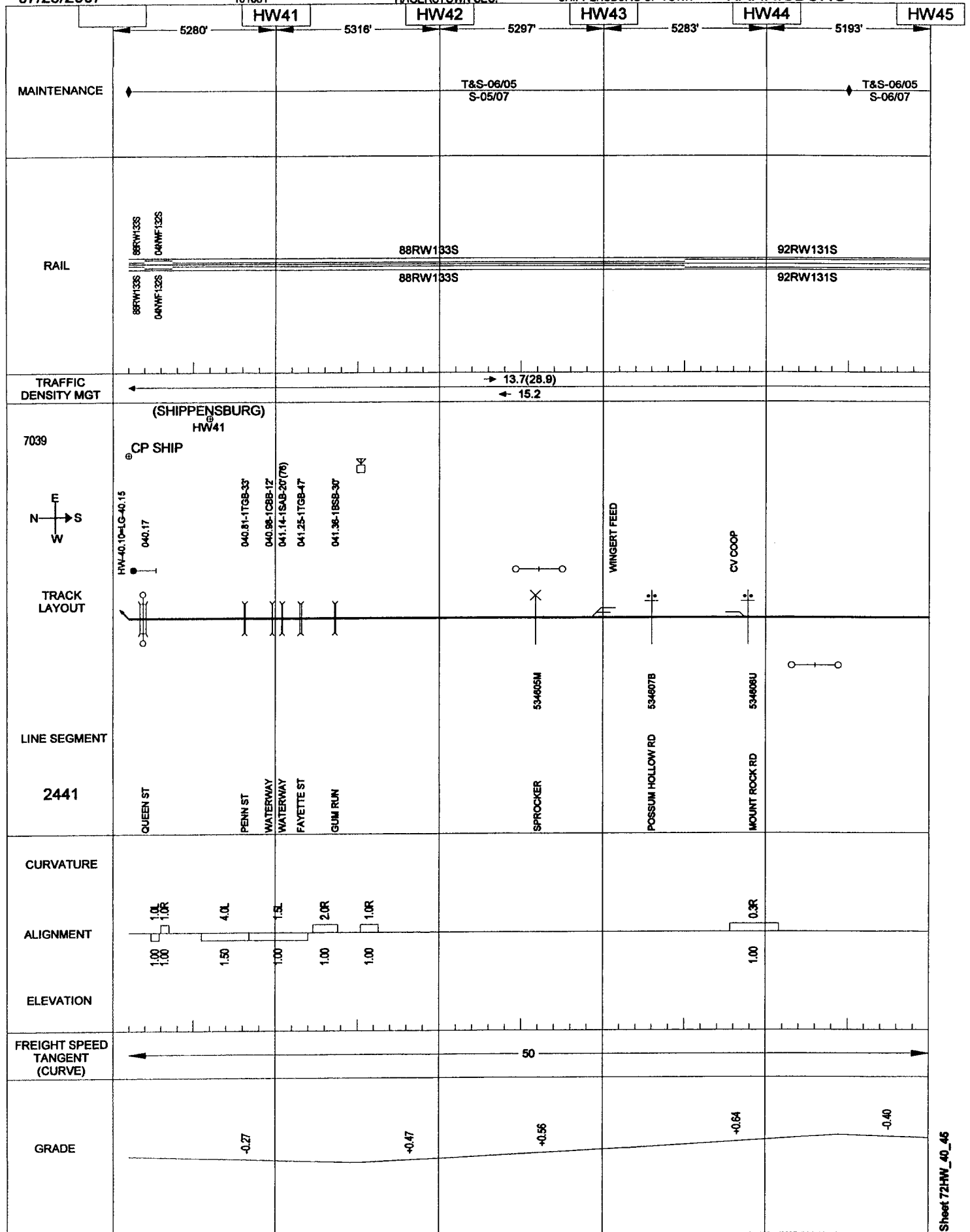
101331

207

HAGERSTOWN SEC.

SHIPPENSBURG-CP TOWN

HARRISBURG



07/25/2007

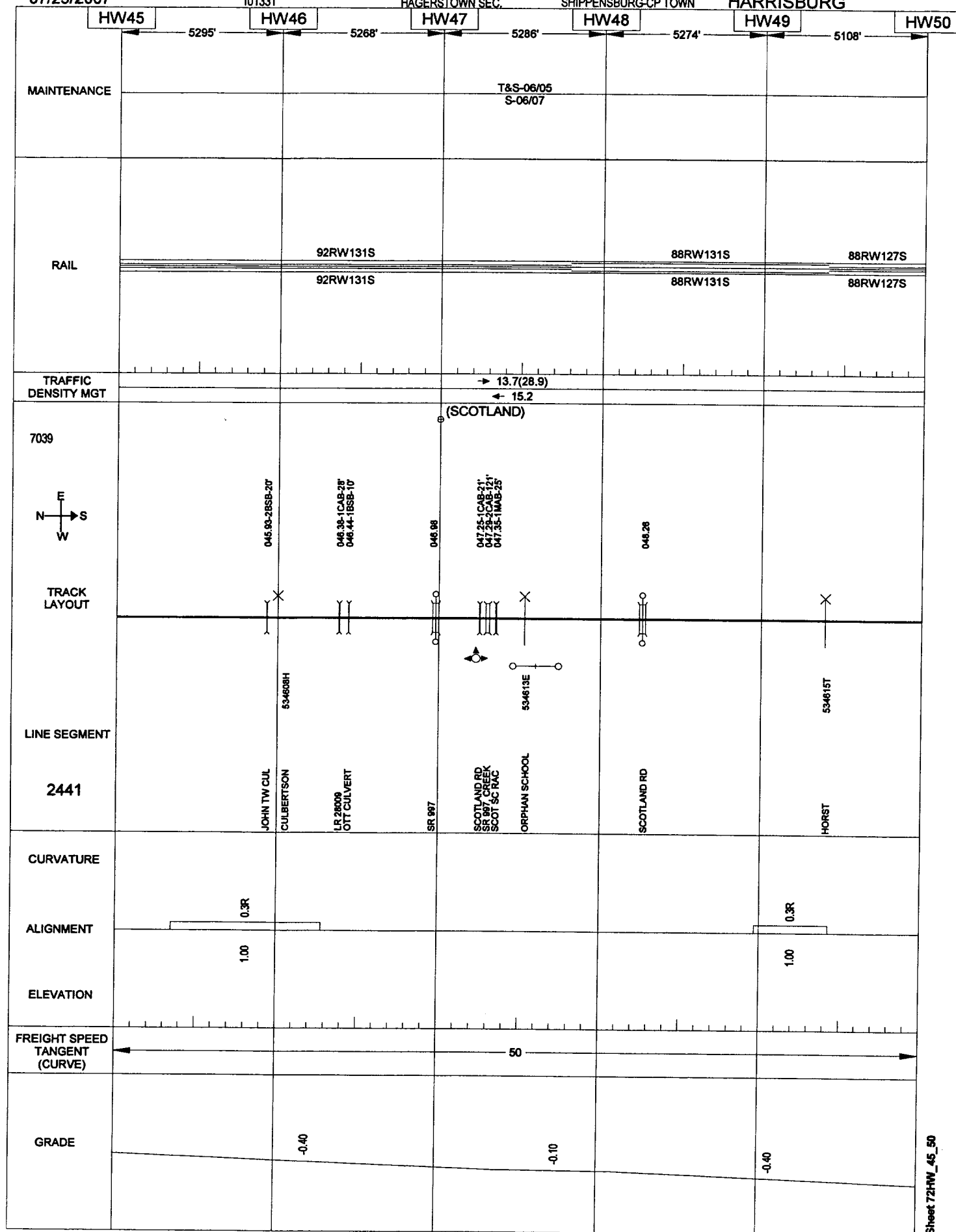
101331

208

HAGERSTOWN SEC.

SHIPPENSBURG-CP TOWN

HARRISBURG



07/25/2007

101331

209

HAGERSTOWN SEC.

SHIPPENSBURG-CP TOWN

HARRISBURG

HW50

HW51

HW52

HW53

HW54

HW55

5548'

5280'

5280'

1439'

5289'

MAINTENANCE

T&S-06/05  
S-06/07

RAIL

88RW127S

88RW127S

TRAFFIC  
DENSITY MGT→ 13.7(28.9)  
← 15.2→ 13.7(28.9)  
← 15.2

7039

CP 50

CHAMBERSBURG

CP 53

TRACK  
LAYOUT

050.17-1CAB-24'

050.76-1CAB-40'

051.41-1CAB-64'

051.46-1CAB-53'

051.56-1CAB-63'

051.74-1CAB-60'

051.82-1CAB-61'

051.87-1CAB-16'

051.83-1CAB-51'

052.05-1CAB-51'

052.11-3TGB-65'

052.35-1CAB-61'

052.60

052.86

TO CSXT

LINE SEGMENT

2441

WOODSTOCK RD

MOUSE FOOT LEAD

NORLAND AVE

GRANT ST

FALLS SPRING

KING ST

LINCOLN WAY

QUEEN ST

LUDWIG ALLE

WASHINGTON

LIBERTY ST

CATHARINE ST

MCKINLEY ST

LR588 RT 316

CSXT

MOORE'S

914888M

FRANKLIN STORAGE

535145R

KRINER RD

CURVATURE

ALIGNMENT

0.7L

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

-0.40

-0.55

-0.06

+0.18

07/25/2007

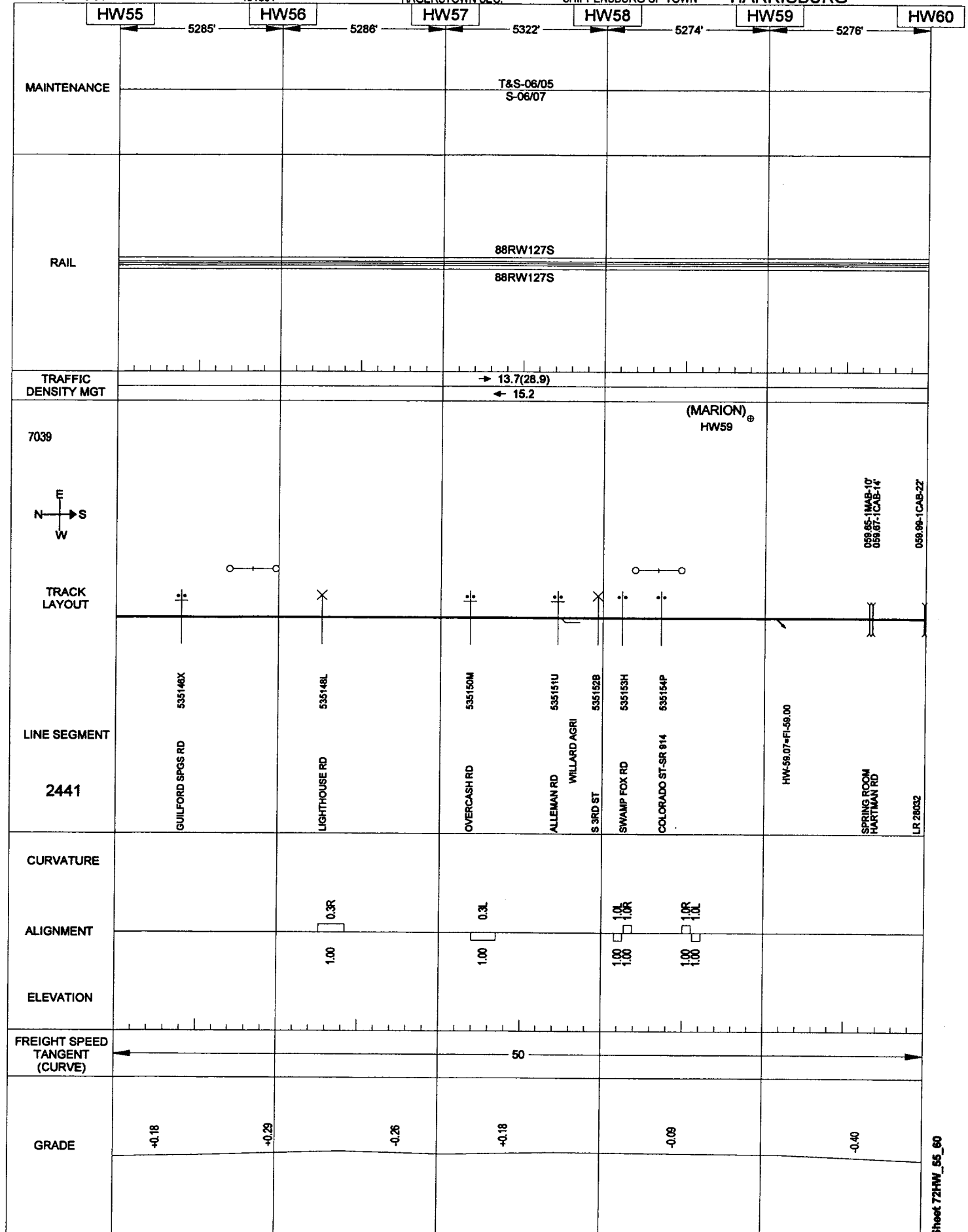
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210

HAGERSTOWN SEC.

SHIPPENSBURG-CP TOWN

HARRISBURG



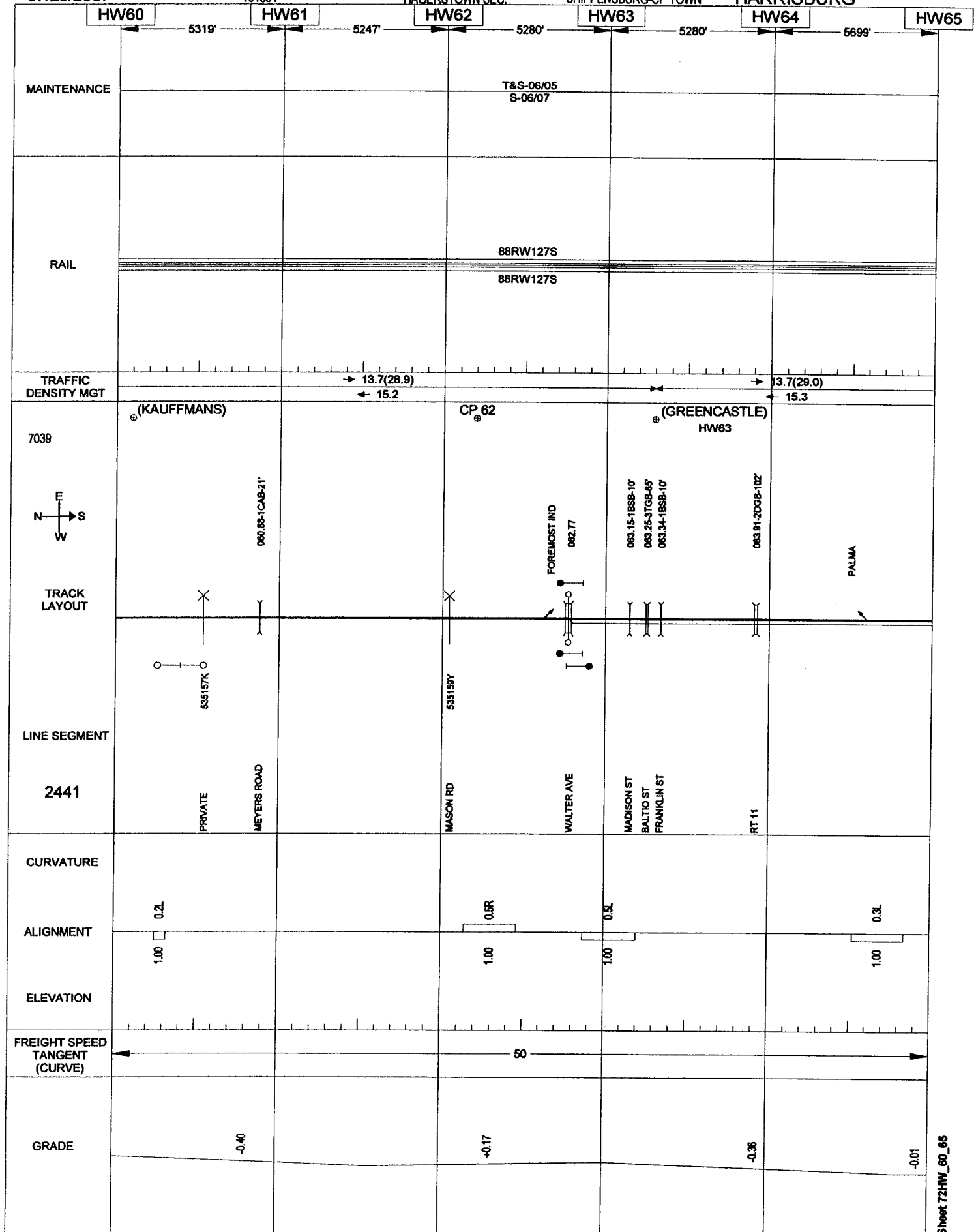
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101331

211  
HAGERSTOWN SEC.

SHIPPENSBURG-CP TOWN

HARRISBURG



07/25/2007

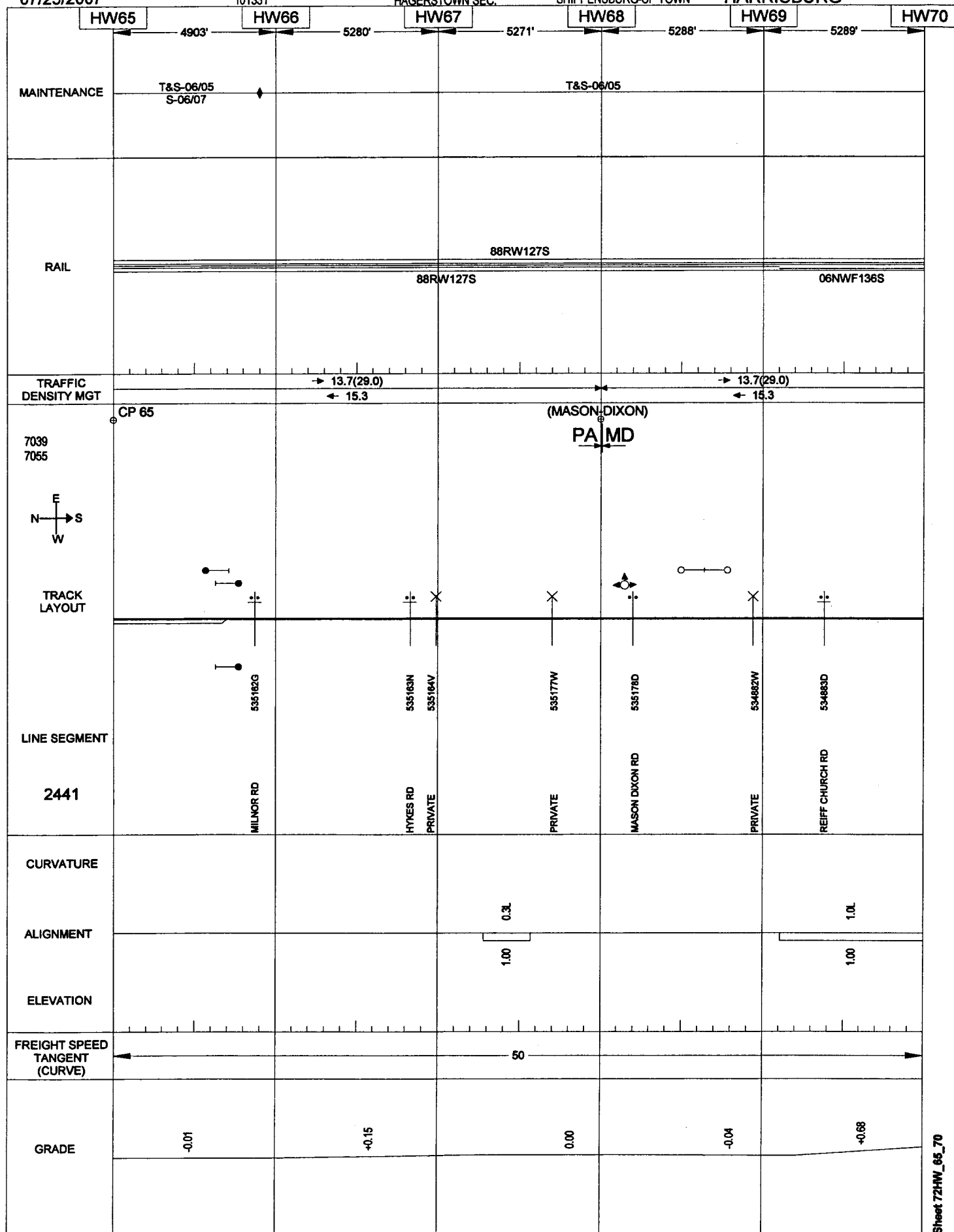
101331

212

HAGERSTOWN SEC.

SHIPPENSBURG-CP TOWN

HARRISBURG



07/25/2007

101331

213

HAGERSTOWN SEC.

SHIPPENSBURG-CP TOWN

HARRISBURG

HW70

HW71

HW72

HW73

5275'

5279'

5283'

3717'

MAINTENANCE

T&amp;S-06/05

RAIL

88RW127S

06NWF136S

88RW127S

06NWF141S

88RW127S

06NWF136P

06NWF136S

06NWF136S

88RW127S

06NWF141S

05NWF141S

88RW127S

02NWF141P

TRAFFIC  
DENSITY MGT

→ 13.7(29.0)

← 15.3

7055

(MAUGANSVILLE)  
HW71

CP TOWN

E  
N → S  
WTRACK  
LAYOUT534884K  
534886Y

534887F

534889U

MARTINS ELEVATOR

MARTINS ELEVATOR RD. 922342A

072.06  
072.06

073.39-1CSB-22'

CSXT

073.58

BEGIN VIRGINIA DIV

LINE SEGMENT

2441

VILLAGE MILL DR  
MAIN ST

SHAWLEY DR

FARM CROSSING

MARTINS ELEVATOR

MARTINS ELEVATOR RD. 922342A

RTE 81 SB  
RTE 81 NB

MITCHELL AVE

BURHANS BLVD

PRIVATE

CSXT

CURVATURE

ALIGNMENT

1.0L

0.1L

0.9R

0.7L

1.2L

0.7L

1.0L

4.0R

ELEVATION

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50

25

GRADE

-0.68

-0.21

-0.27

-0.60



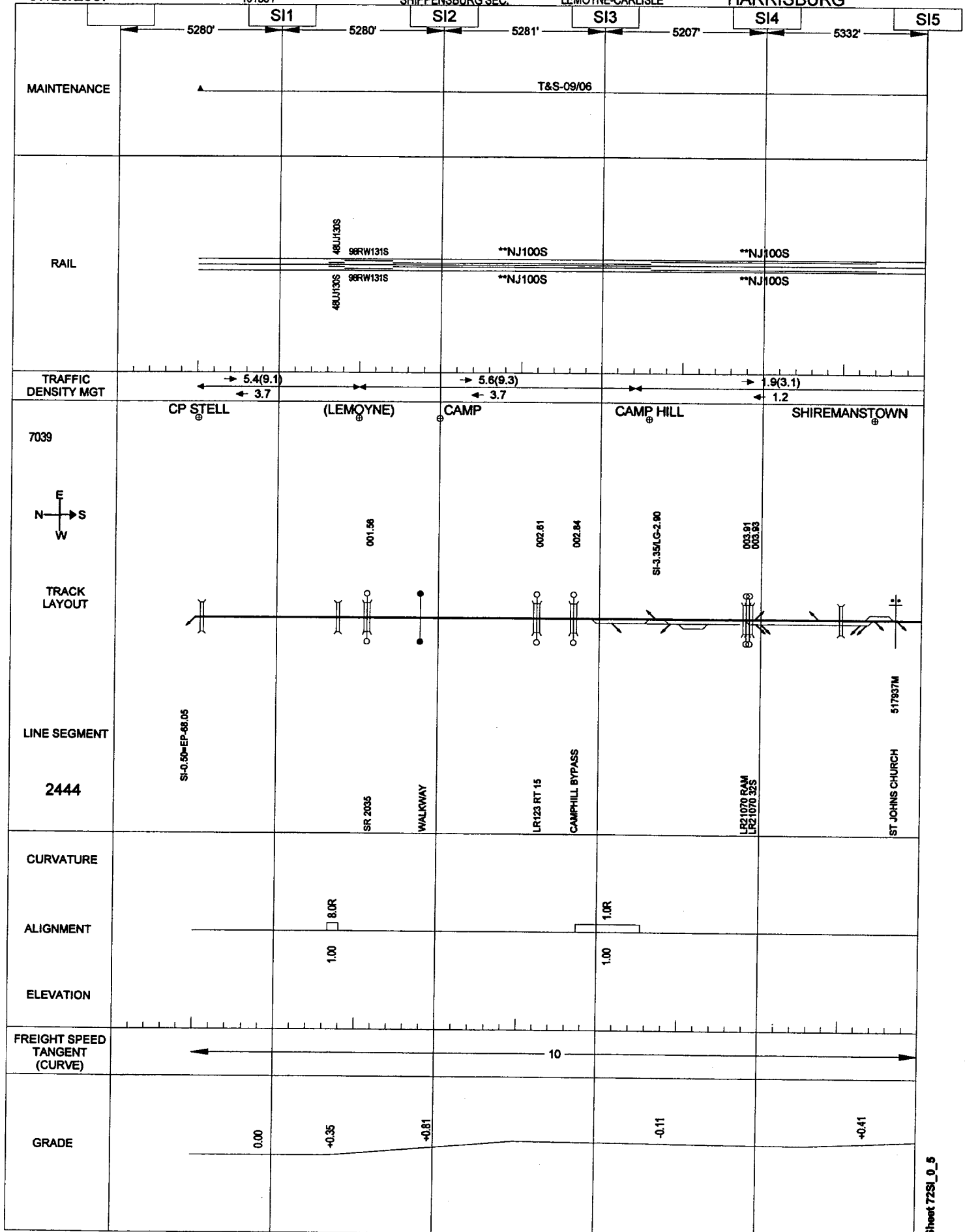
07/25/2007

214

SHIPPENSBURG SEC.

LEMOYNE-CARLISLE

HARRISBURG



07/25/2007

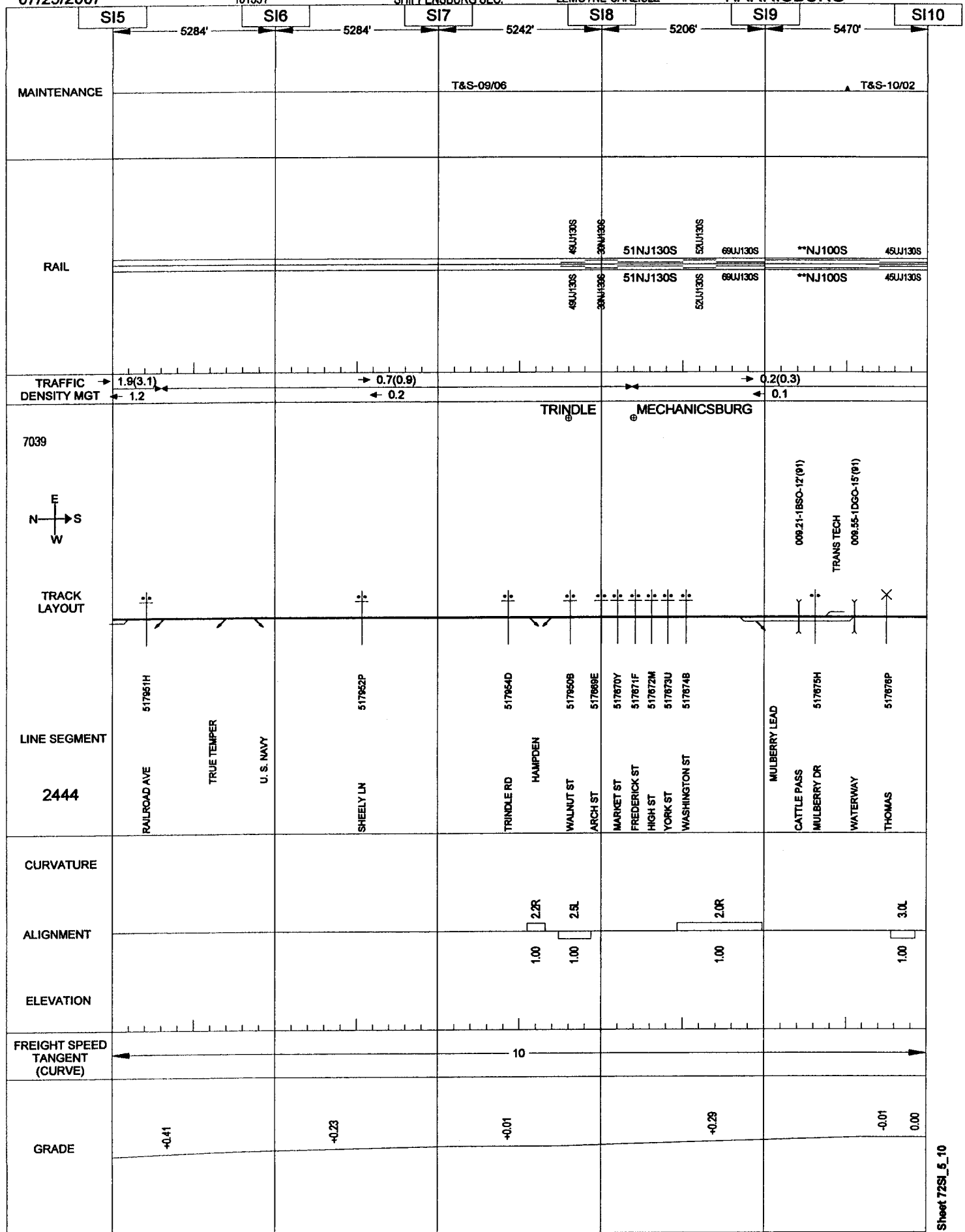
101331

215

SHIPPENSBURG SEC.

LEMOYNE-CARLISLE

HARRISBURG





07/25/2007

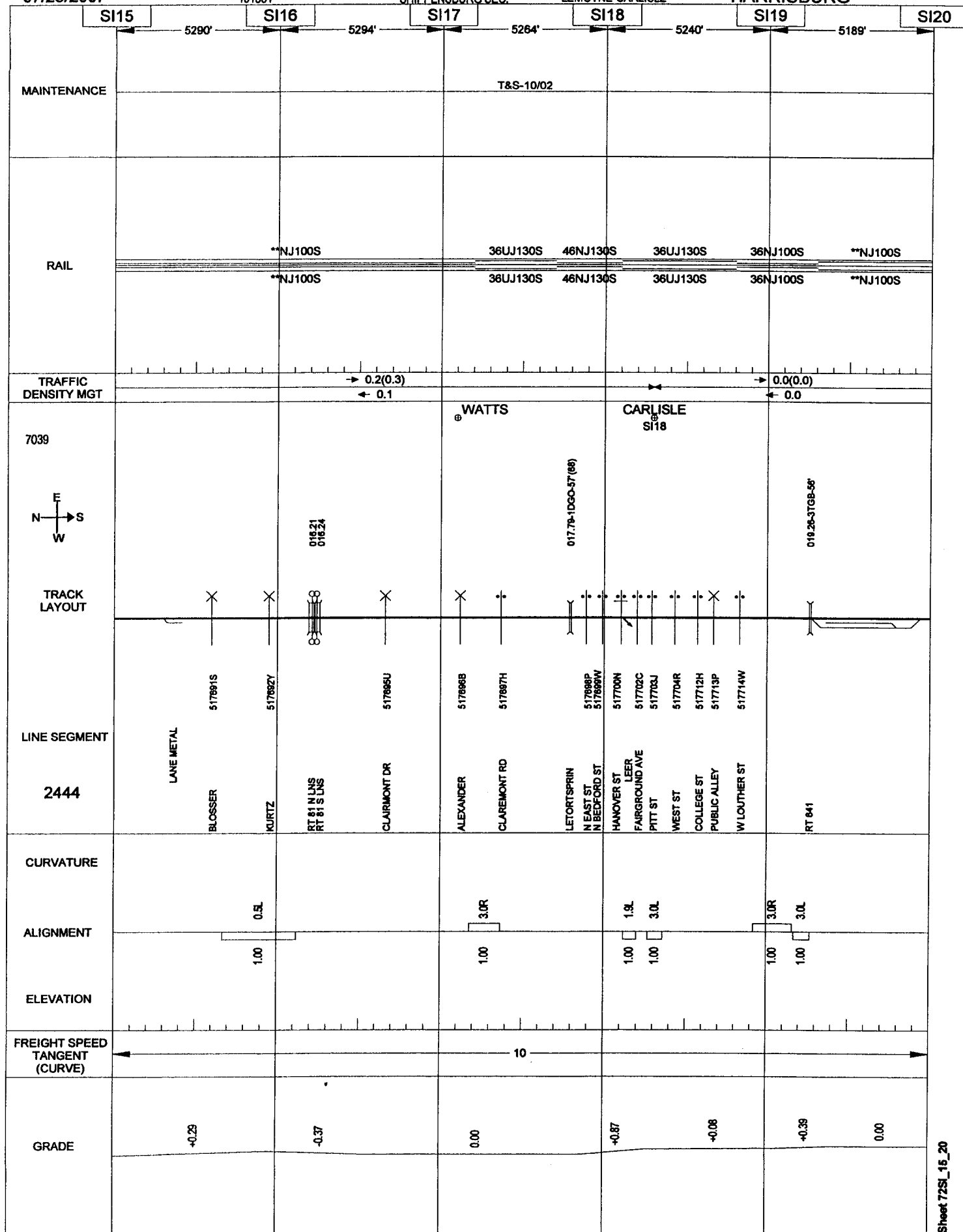
101331

217

SHIPPENSBURG SEC.

LEMOYNE-CARLISLE

HARRISBURG



07/25/2007

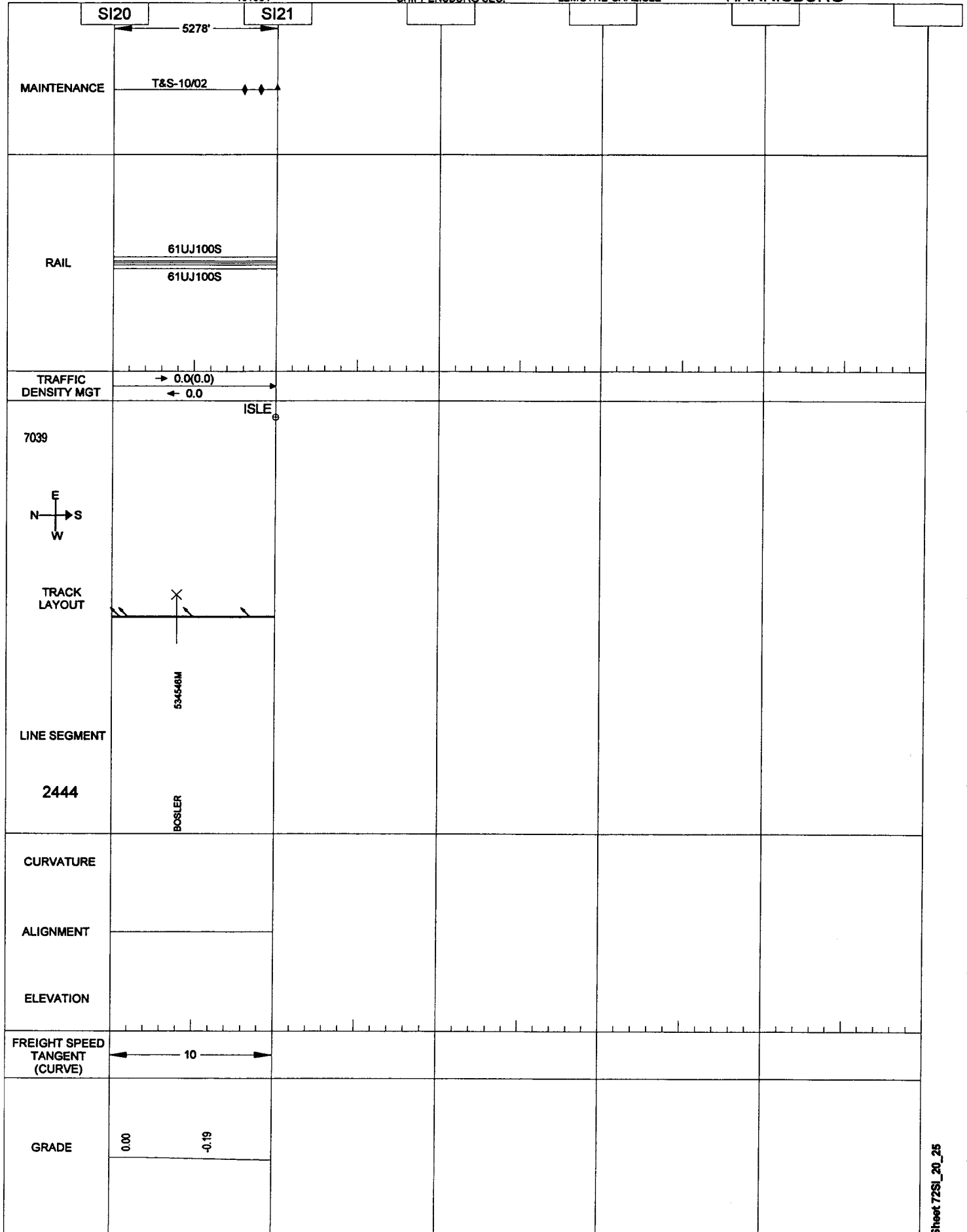
101331

218

SHIPPENSBURG SEC.

LEMOYNE-CARLISLE

HARRISBURG



07/25/2007

100315

219

GETTYSBURG I.T.

CARL-MT. HOLLY SPRINGS

HARRISBURG

UH7

5280'

4752'

T&amp;S-06/72

MAINTENANCE

RAIL

70NJ130S

70NJ130S

TRAFFIC  
DENSITY MGT

8134

CP CARL  
PT21

(MT HOLLY SPGS)

TRACK  
LAYOUT

UH-8.30=LG-21.18

007.80-1DCO-57 (67)

TO GETTYSBURG RR

LINE SEGMENT

2651



593382X

593381R

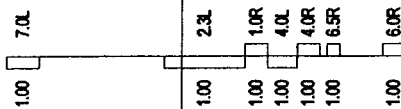
593383E

593384L

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.21

+0.40

07/25/2007

100307

220

CHESTER VALLEY R.T.

ACKWORTH-DOWNTOWN

HARRISBURG

VR20

5280'

MAINTENANCE

T&amp;S-06/88

RAIL

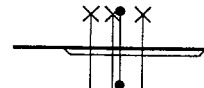
64NJ130S 66NJ090S 73NJ130S  
 64NJ130S 66NJ090S 73NJ130S

TRAFFIC  
DENSITY MGT

(ACKWORTH)

8138

S  
E → W  
N

TRACK  
LAYOUT

588875P  
588874H

LINE SEGMENT

PRIVATE  
BRADFORD HILLS  
CONVENTOR  
ACKWORTH RD

2339

CURVATURE

ALIGNMENT

ELEVATION

2.3R  
1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.22  
0.00

07/25/2007

100307

221

CHESTER VALLEY R.T.

ACKWORTH-DOWNINGTOWN

HARRISBURG

VR20

VR21

5280'

2640'

MAINTENANCE

T&amp;S-06/88

RAIL

73NJ130S

\*\*NJ080S

73NJ130S

\*\*NJ080S

TRAFFIC  
DENSITY MGT

8138

TRACK  
LAYOUT

(DOWNINGTOWN)

VR-21.50-PT-31.50

LINE SEGMENT

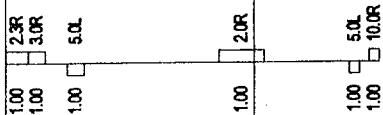
2339

CHESTNUT STREET

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.55

0.00



07/25/2007

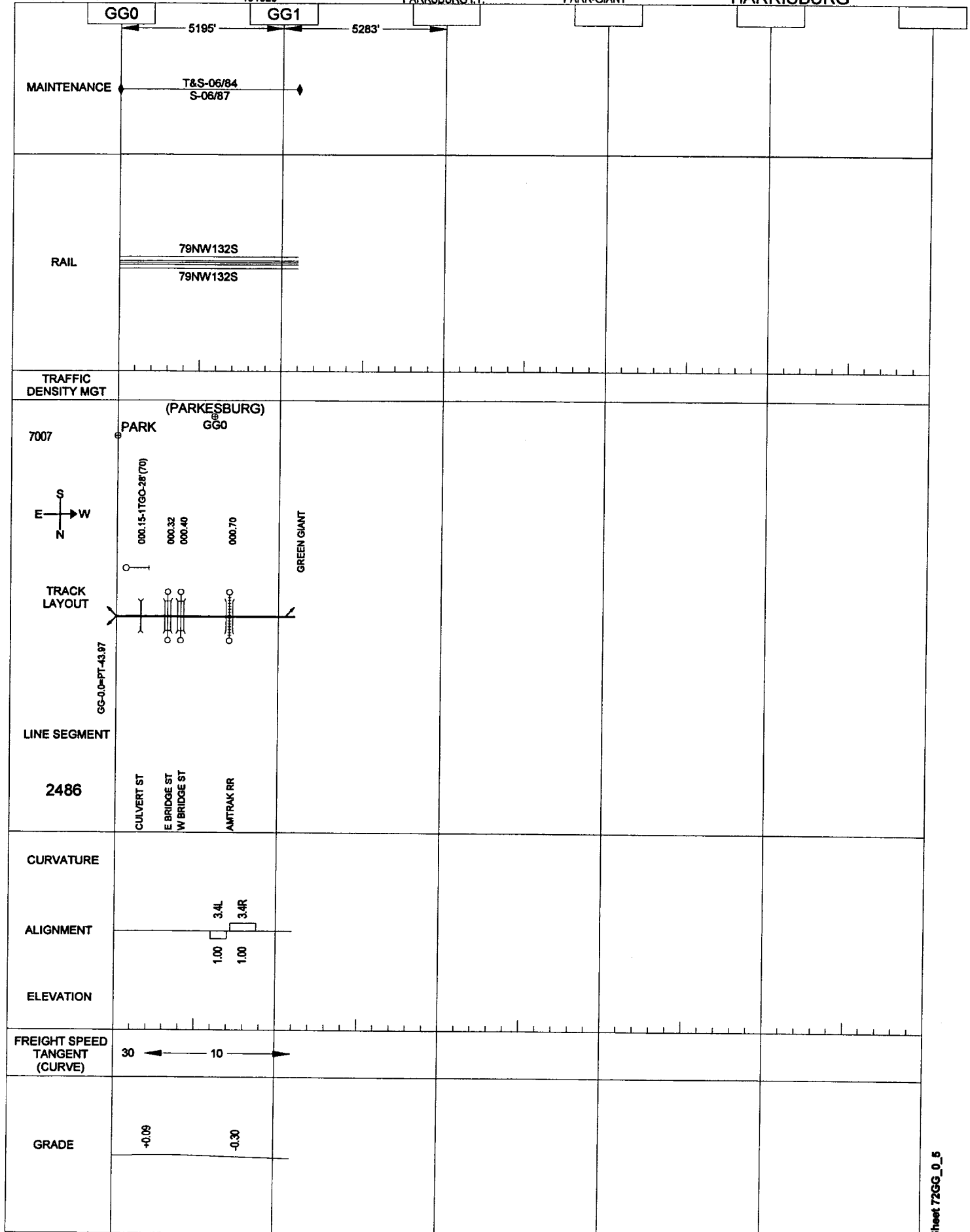
101323

222

PARKSBURG I.T.

PARK-GIANT

HARRISBURG



07/25/2007

101333

223  
NEW HOLLAND SEC.

EAST EARL-GREENFIELD

HARRISBURG

HZ27

HZ28

HZ29

HZ30

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-04/05

RAIL

87RW130S

87RW130S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)

← 0.0

→ 0.0(0.1)

← 0.1

7007

⑥ RANCKS  
HZ27⑥ (NEW HOLLAND)  
HZ28TRACK  
LAYOUT

AGWAY

LINE SEGMENT

2396

NEW COURT

517765G

923343G

517763T

517762L

517761E

517760X

517759D

517758W

517757P

517756H

517755B

517753M

RANCK AVE

PRIVATE

KINZER

BRIMMER AVE

RAILROAD AVE  
PRIVATE

CUSTER AVE

DILLER AVE

BRUBAKER AVE

HOOVER ST

PRIVATE

SHIRK RD

MUSSELMANS

CURVATURE

ALIGNMENT

2.0L  
1.004.5R  
1.501.9L  
1.000.3L  
1.002.0R  
1.001.0R  
1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

30

GRADE

-0.24

-0.31

-0.30

-0.21

07/25/2007

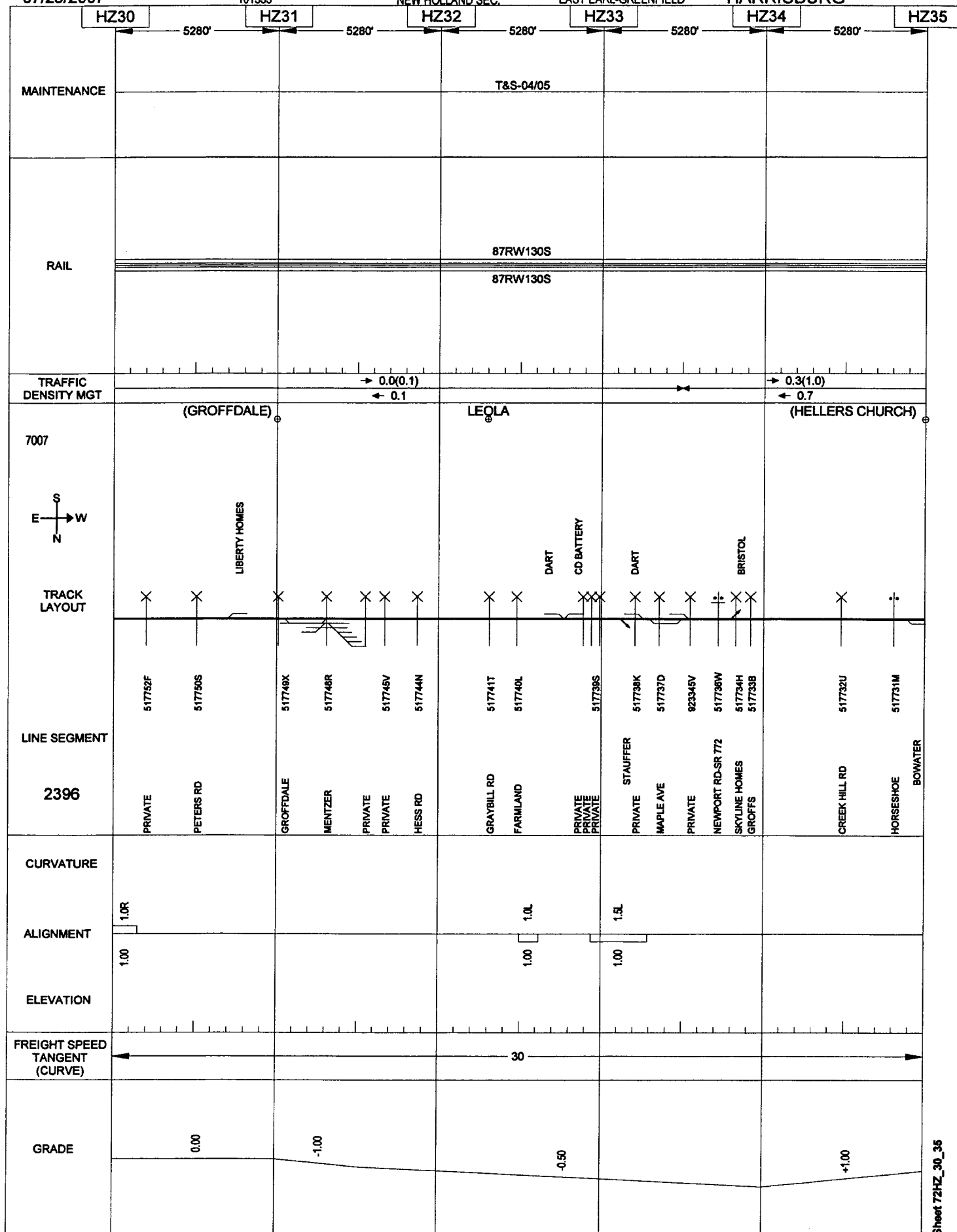
101333

224

NEW HOLLAND SEC.

EAST EARL-GREENFIELD

HARRISBURG



07/25/2007

101333

225

NEW HOLLAND SEC.

EAST EARL-GREENFIELD

HARRISBURG

HZ35

HZ36

HZ37

HZ38

HZ39

5280'

5280'

5280'

5280'

3168'

MAINTENANCE

T&amp;S-04/05

RAIL

87RW130S

87RW130S

TRAFFIC  
DENSITY MGT→ 0.3(1.0)  
← 0.7

7007

(HELLERS CHURCH)  
(HARTMAN)<sup>®</sup>

FIELD

CORK

035.32  
035.34

DONNELLY

037.83

039.10

TRACK  
LAYOUT

LINE SEGMENT

2396

517730F

517719F

517728L

517726R

517725J

517728E

517727X

517724C

517721G

SALEM AVE  
LR 1124  
DENLINGERS

HARTMAN STA RD

HARTMANS

LEFEVER

WILLOW RD

WITMER

PRIVATE

JEFFERSON RD

LR 35183

EXIDE  
GREENFIELD RD

PITNEY RD

HZ-39.80=PT-86.27

CURVATURE

ALIGNMENT

ELEVATION

0.5L

1.00

1.0R

1.00

10.0R

4.00

4.8L

2.00

3.0R

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

30

10

30

10

GRADE

-1.50

+1.00

-0.35

07/25/2007

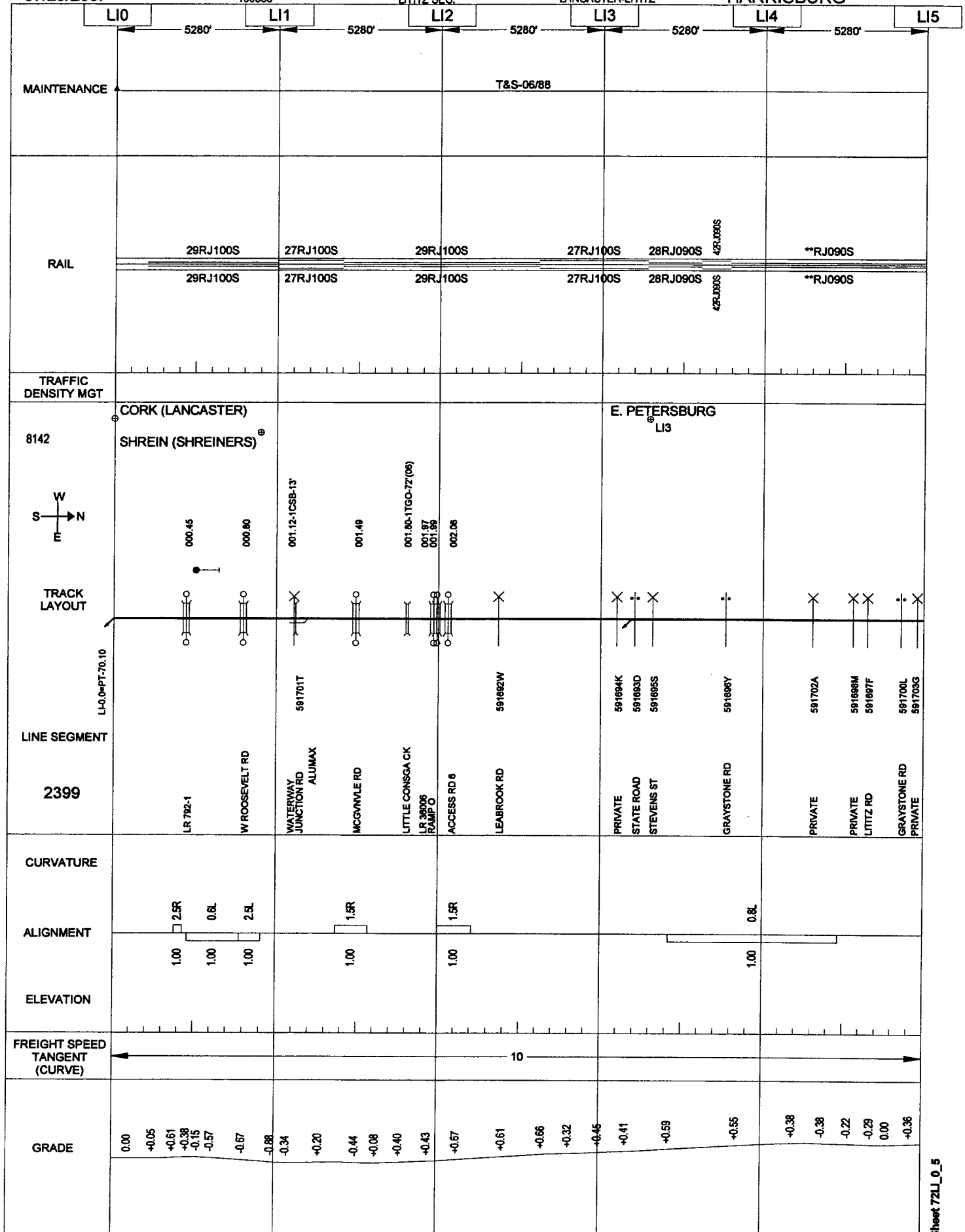
100338

226

LITITZ SEC.

LANCASTER-LITITZ

HARRISBURG



07/25/2007

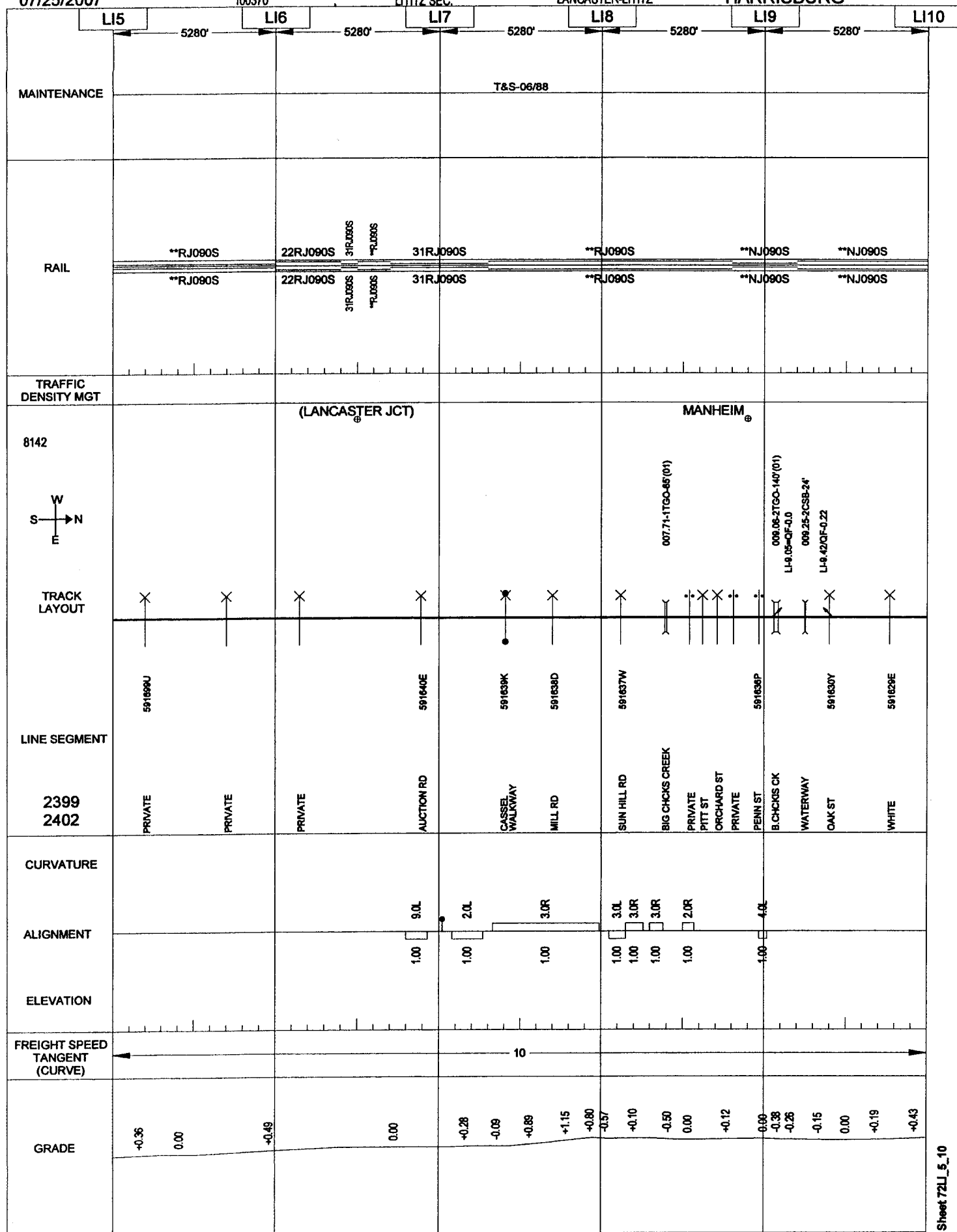
100370

227

LITITZ SEC.

LANCASTER-LITITZ

HARRISBURG



07/25/2007

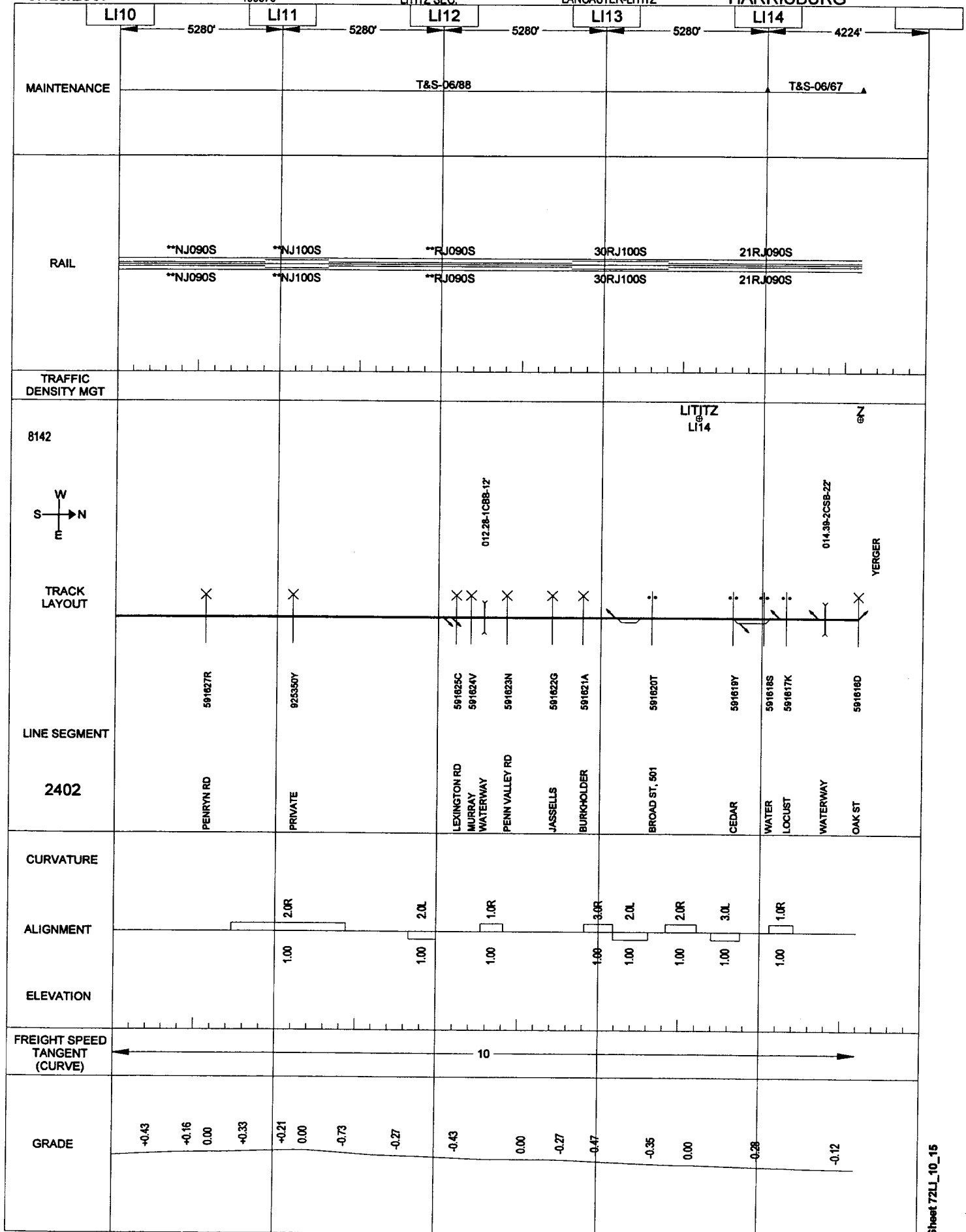
100370

228

LITITZ SEC.

LANCASTER-LITITZ

HARRISBURG



07/25/2007

100385

229  
MT. HOPE I.T.

MANHEIM

HARRISBURG

QF0

5280'

MAINTENANCE

RAIL

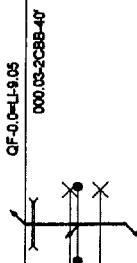
\*\*NJ090S

\*\*NJ090S

TRAFFIC  
DENSITY MGT

8142

MANHEIM

TRACK  
LAYOUT

LINE SEGMENT

2594

WATERWAY  
QF-0.22/LI-9.42  
OAK ST  
PIPELINE  
E HIGH ST

591455K

591456S

CURVATURE

ALIGNMENT

5.9L

1.00

ELEVATION

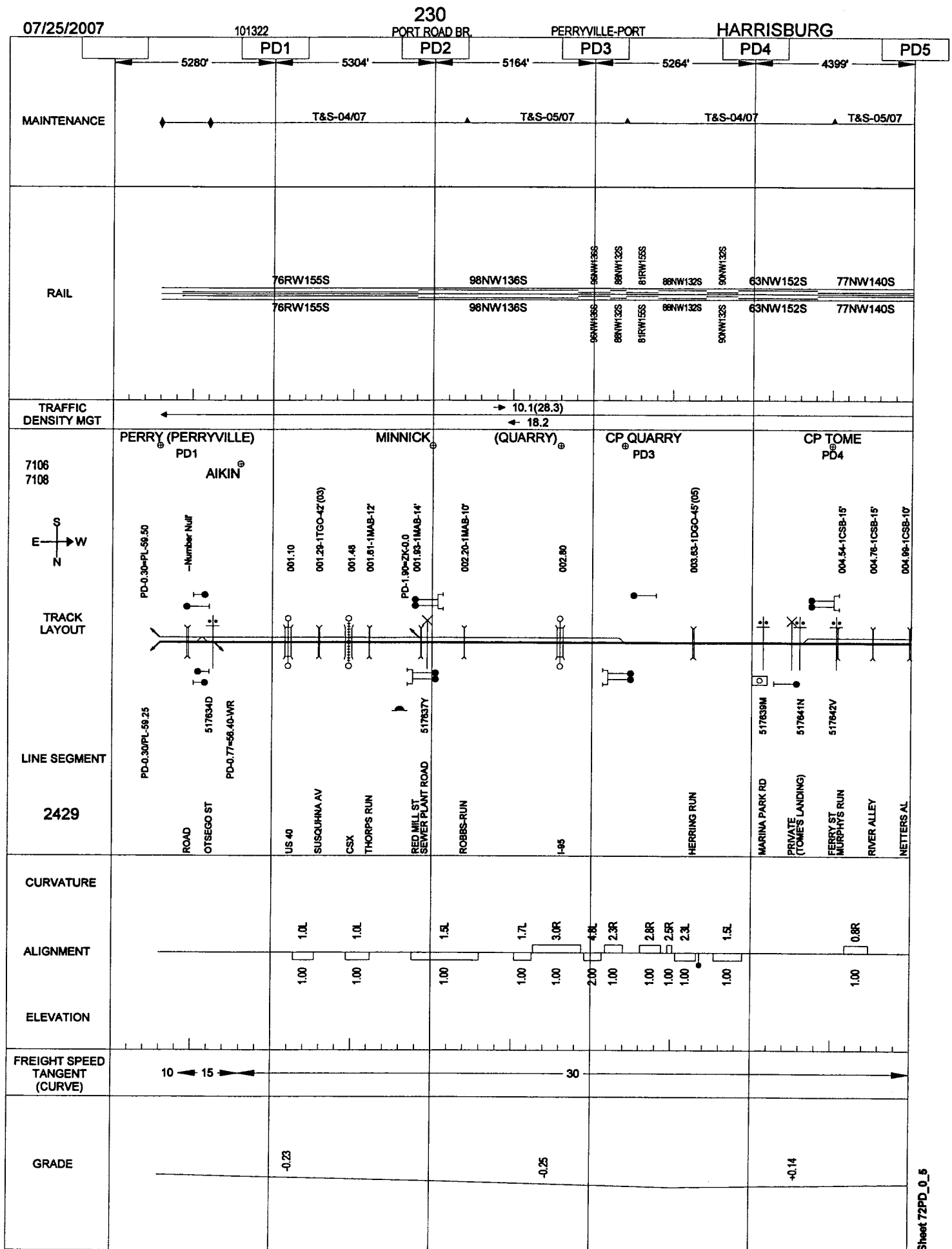
FREIGHT SPEED  
TANGENT  
(CURVE)

← 10 →

GRADE

+0.09





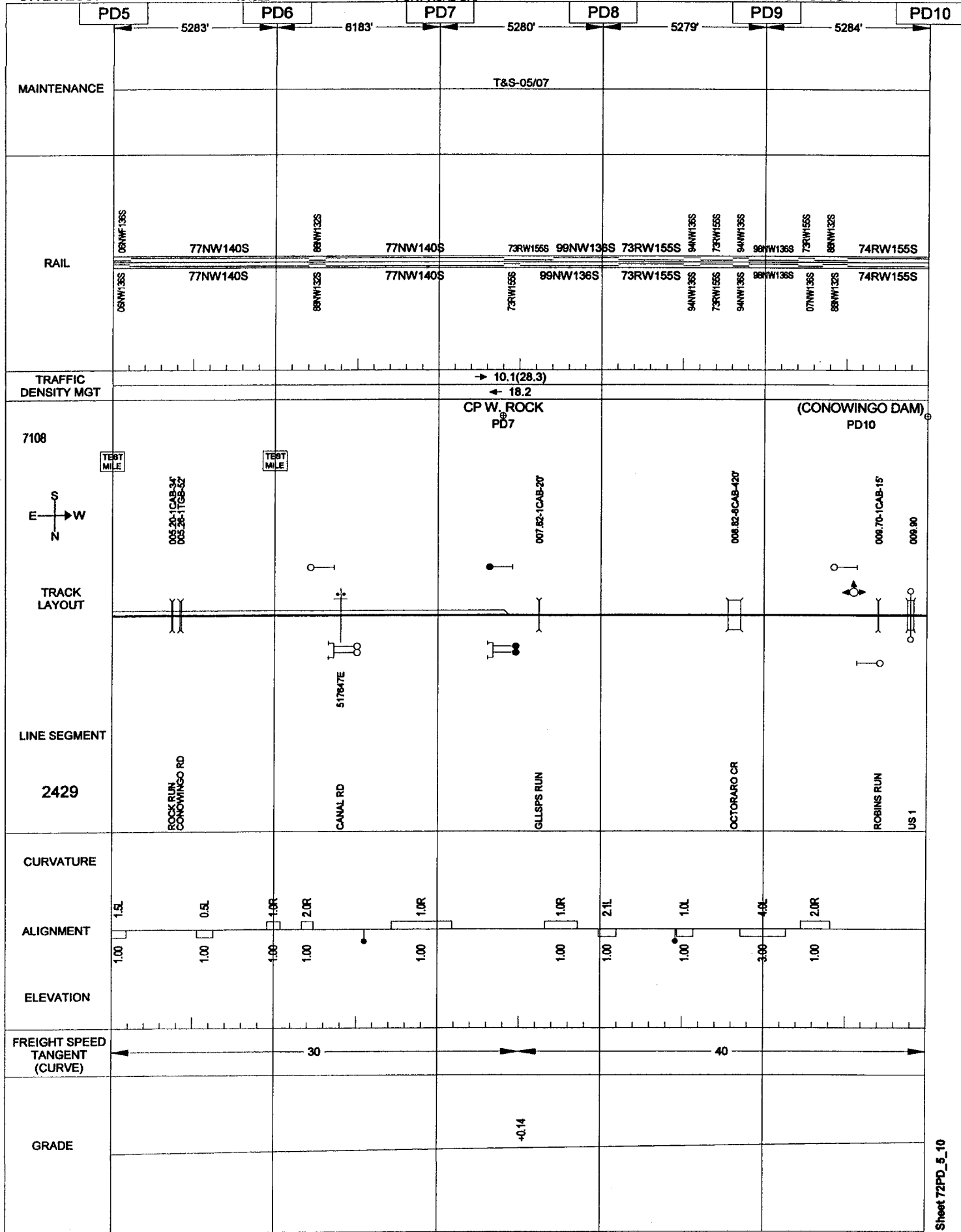
07/25/2007

101322

231  
PORT ROAD BR.

PERRYVILLE-PORT

HARRISBURG



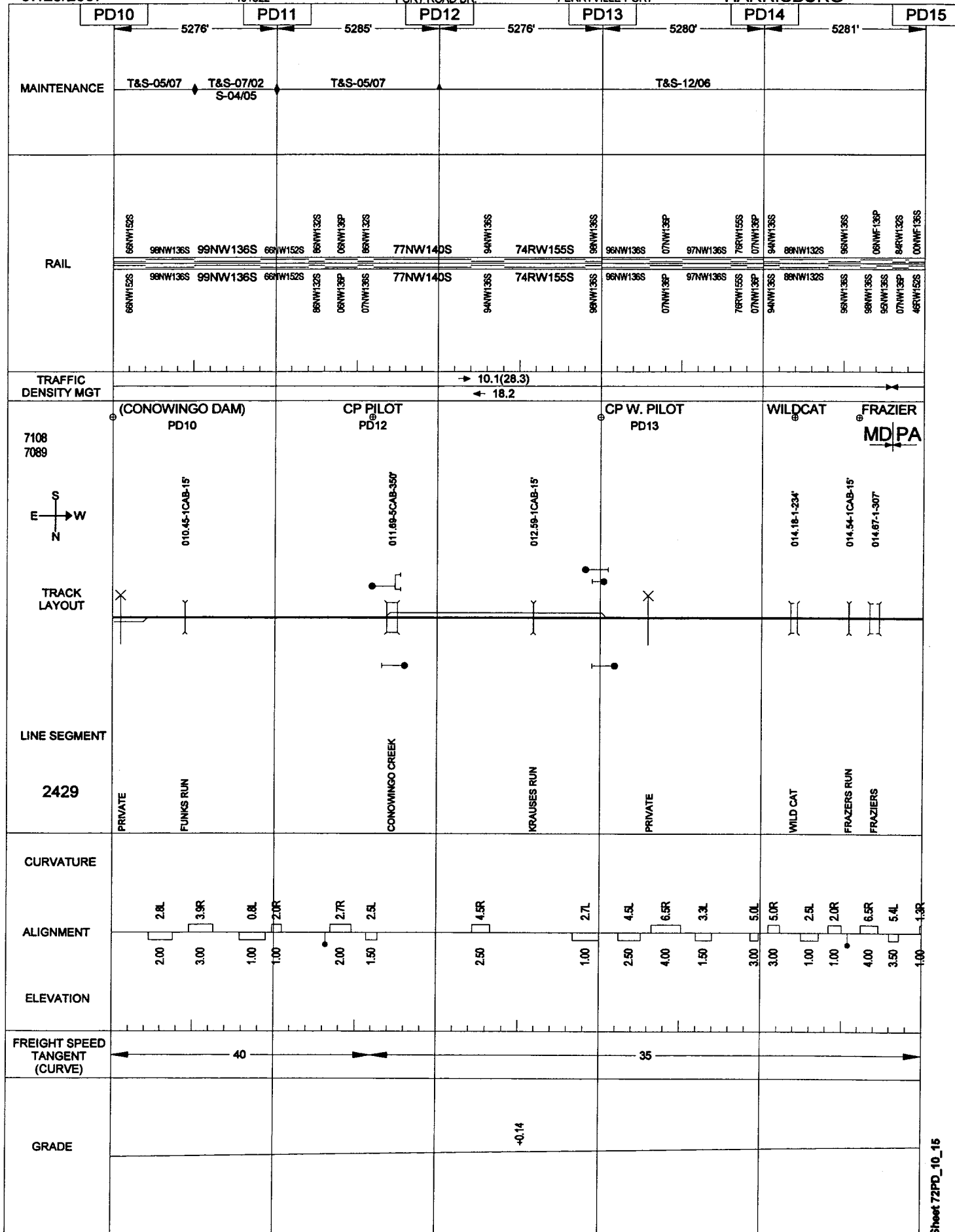
07/25/2007

232

PORT ROAD BR.

PERRYVILLE-PORT

HARRISBURG



07/25/2007

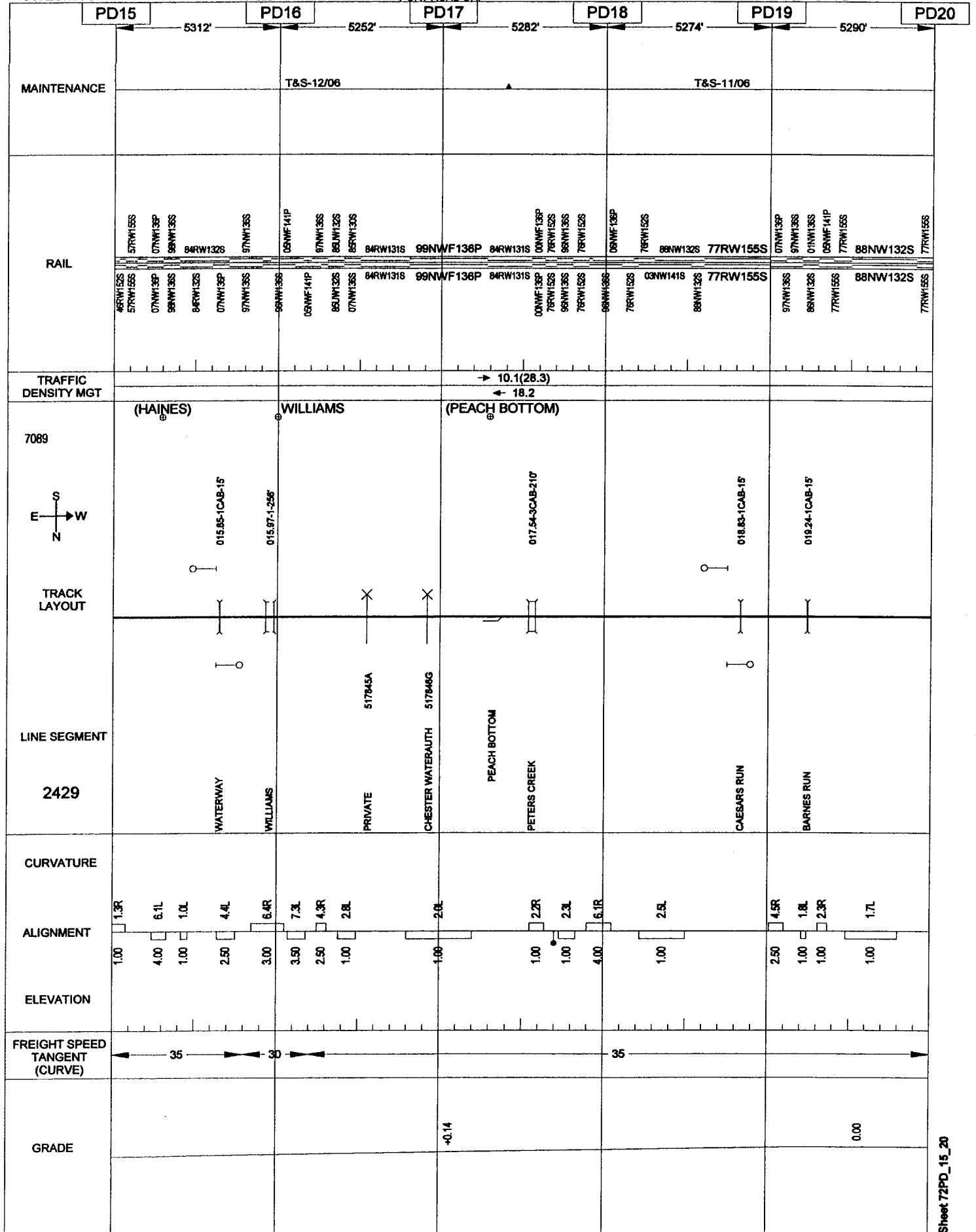
101322

233

PORT ROAD BR.

PERRYVILLE-PORT

HARRISBURG



07/25/2007

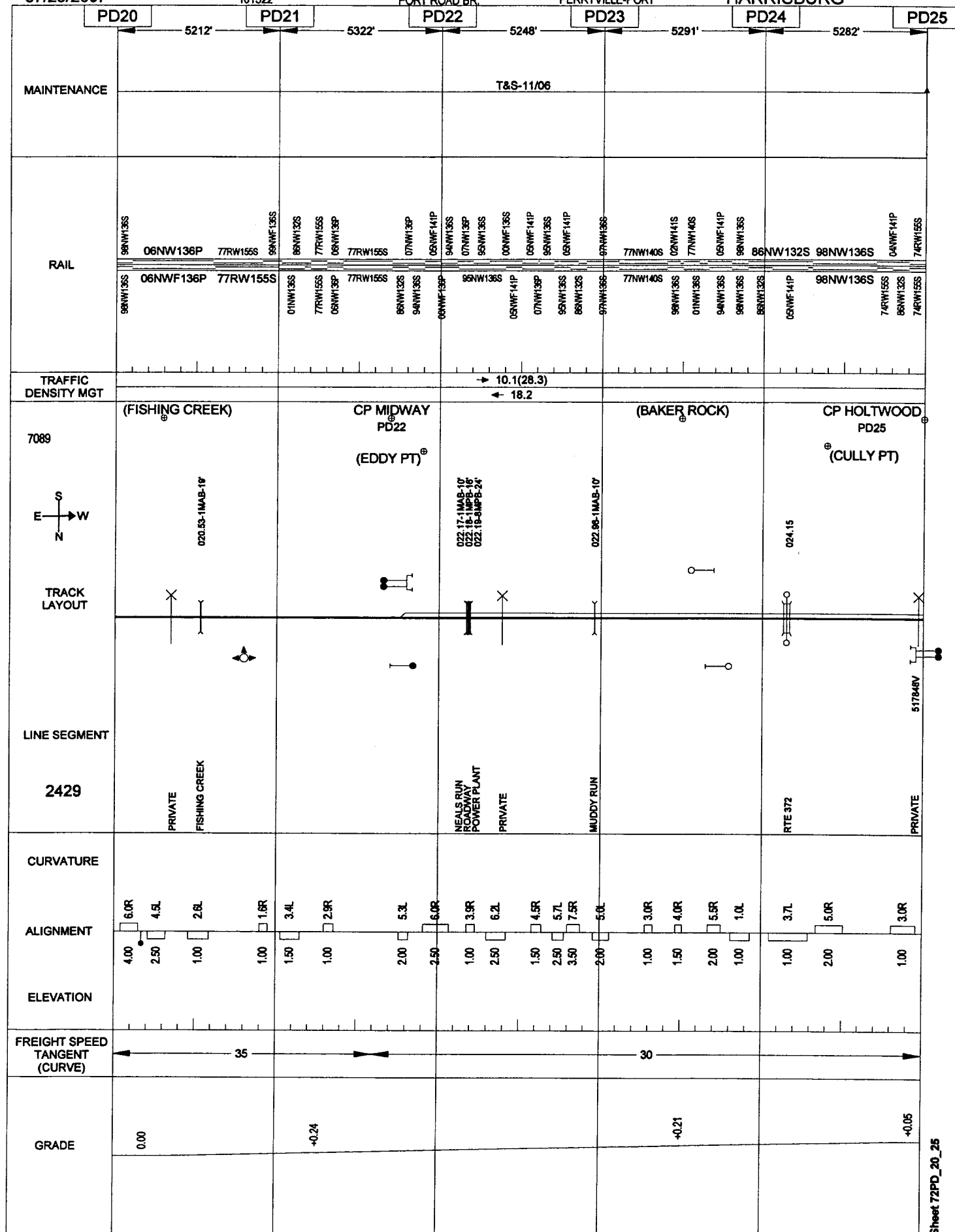
101322

234

PORT ROAD BR

PERRYVILLE-PORT

HARRISBURG



07/25/2007

101322

235  
PORT ROAD BR.

PERRYVILLE-PORT

HARRISBURG

PD25

PD26

PD27

PD28

PD29

PD30

5287'

5276'

5271'

5281'

5273'

MAINTENANCE

T&S-07/04  
S-11/06

RAIL

96NW136S 03NW141P 86NW132S 74NW155S 03NW141S 77NW140S 96NW136S 77NW140S 94NW136S 77NW140S 07NW136P 73NW155S 07NW136P 96NW132S 73NW155S 05NW141P 96NW136S 06NW136P 05NW141P 94NW136S 97NW136S 04NW141P 96NW136S 96NW136P 90NW132S 01NW136P 74NW155S 81RW140S 74NW155S

TRAFFIC  
DENSITY MGT→ 10.1(28.3)  
← 18.2

7089

CP HOLTWOOD  
PD25  
(MCCALLS FERRY)CP MCCALLS  
PD27(GALLENS PT)  
(TUCQUAN)

(LONG PT CURVE)

(OLD BRIDGE CURVE)  
(PEQUEA)S  
E → W  
NTRACK  
LAYOUT

025.17-1CAB-10'

025.65-1CAB-10'

027.47-1MAB-11'

028.92-1BSB-11'

LINE SEGMENT

2429

TOBES RUN

MCCALLS RUN

TUCQUAN CREEK

WATERWAY

PRIVATE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

30

35

30

35

GRADE

-0.05

08/03/2007

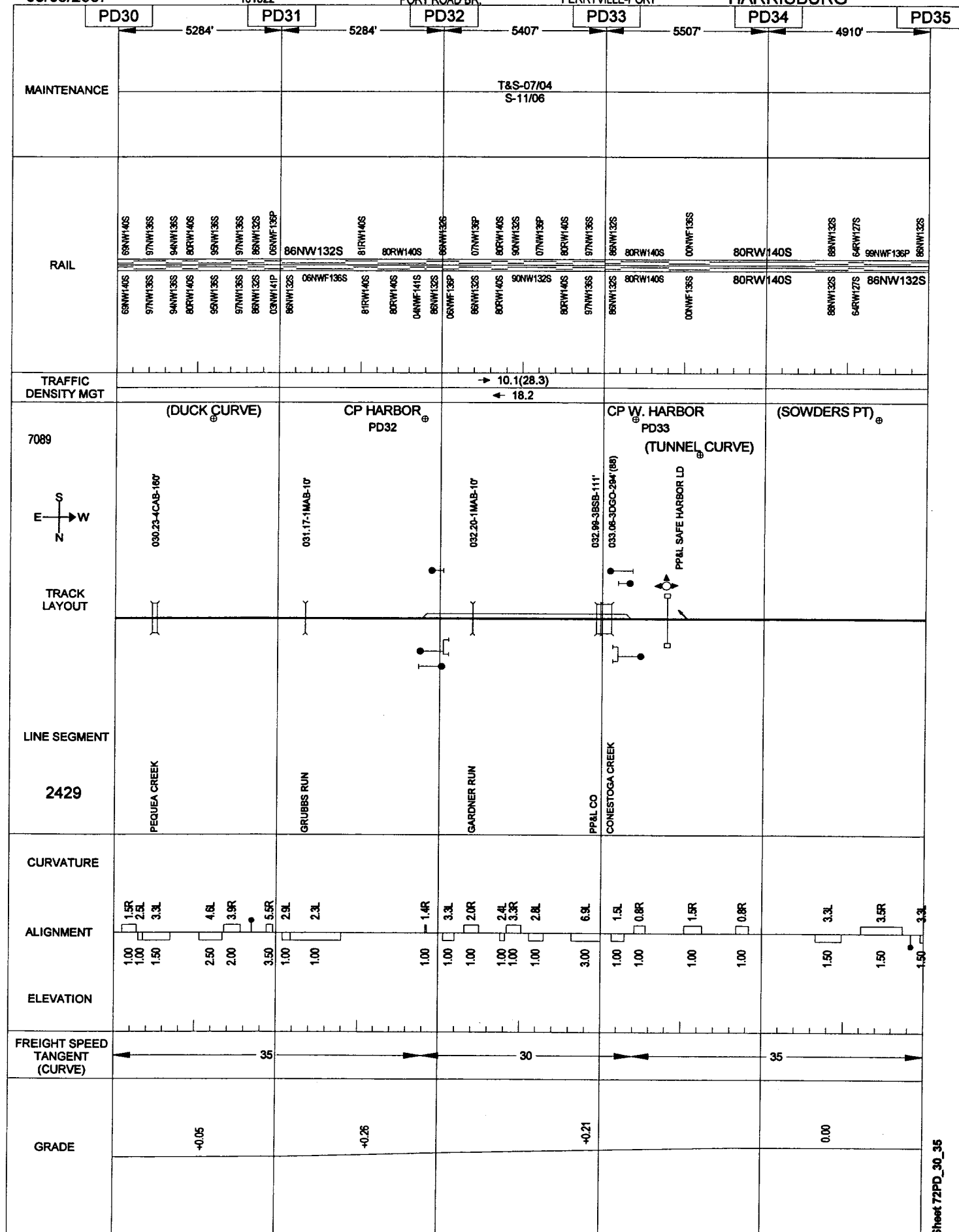
101322

236

PORT ROAD BR.

PERRYVILLE-PORT

HARRISBURG



07/25/2007

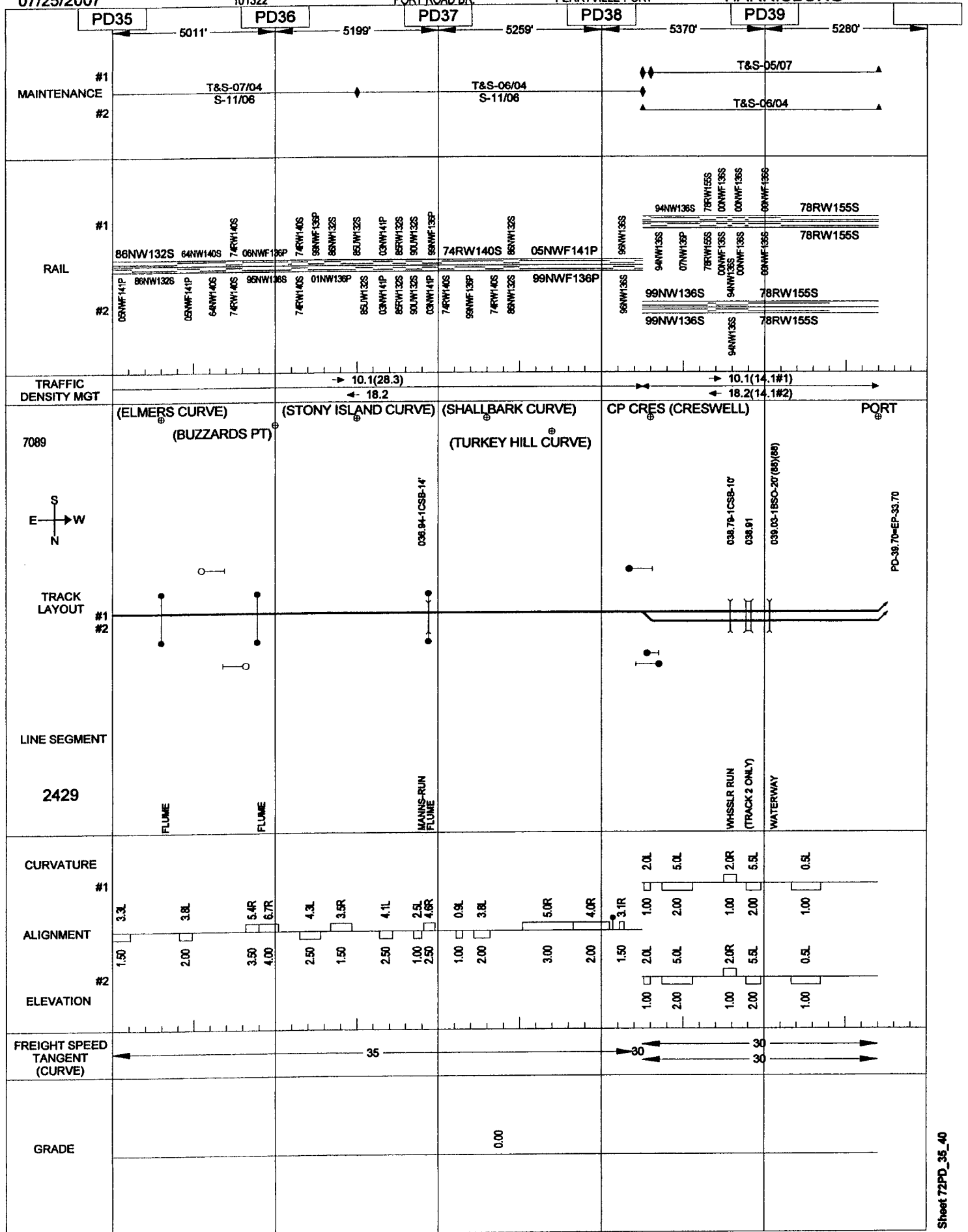
101322

237

PORT ROAD BR

PERRYVILLE-PORT

HARRISBURG





07/25/2007

101323

238

PORT ROAD BR

PORT-WAGO JCT

HARRISBURG

EP34

EP35

5280'

5278'

#1  
MAINTENANCE  
#2

T&amp;S-04/04

T&amp;S-05/04

#1

RAIL

#2

78NW140S

86NW132S

78NW140S

78NW140S

86NW132S

77NW140S

78NW132S

78NW132S

TRAFFIC  
DENSITY MGT

→ 10.1(14.1#1)

← 18.2(14.1#2)

PORT

(WASHINGTON BORO)

7007

S  
E → W  
NTRACK  
LAYOUT#1  
#2

EP-33.70-PO-38.70

033.89-1MAB-10'

034.39-1MAB-10'

LINE SEGMENT

2414

X

518219L

518221M

X

BURDS RUN

BLUE ROCK RD

DRY RUN

PENN

CURVATURE

#1

0.7R

1.0L

3.0R

ALIGNMENT

#2

1.00

1.00

2.00

ELEVATION

0.7R

1.0L

3.0L

1.00

1.50

2.00

FREIGHT SPEED  
TANGENT  
(CURVE)

40

40

GRADE

-0.20

0.00

07/25/2007

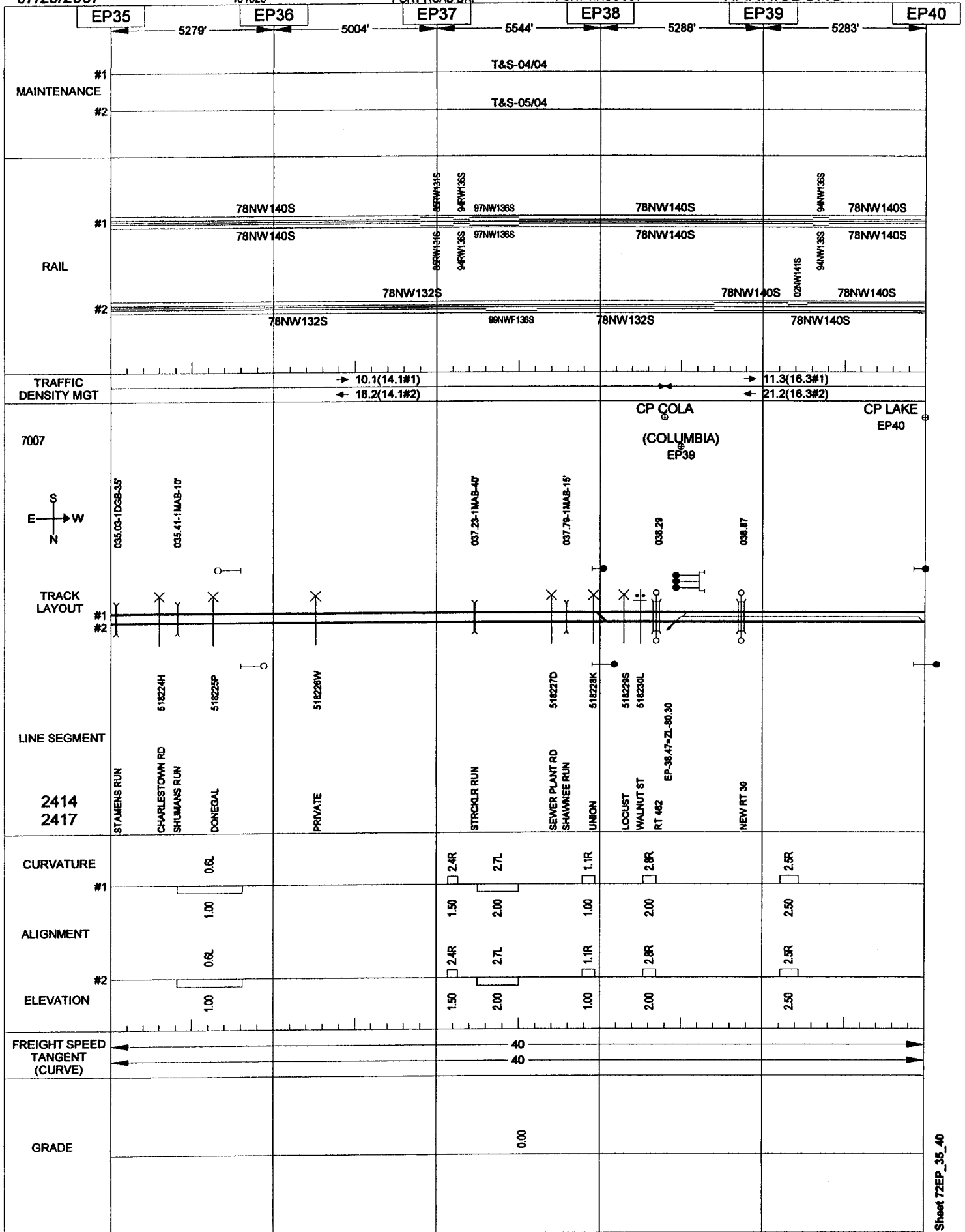
101323

239

PORT ROAD BR

PORT-WAGO JCT

HARRISBURG



07/25/2007

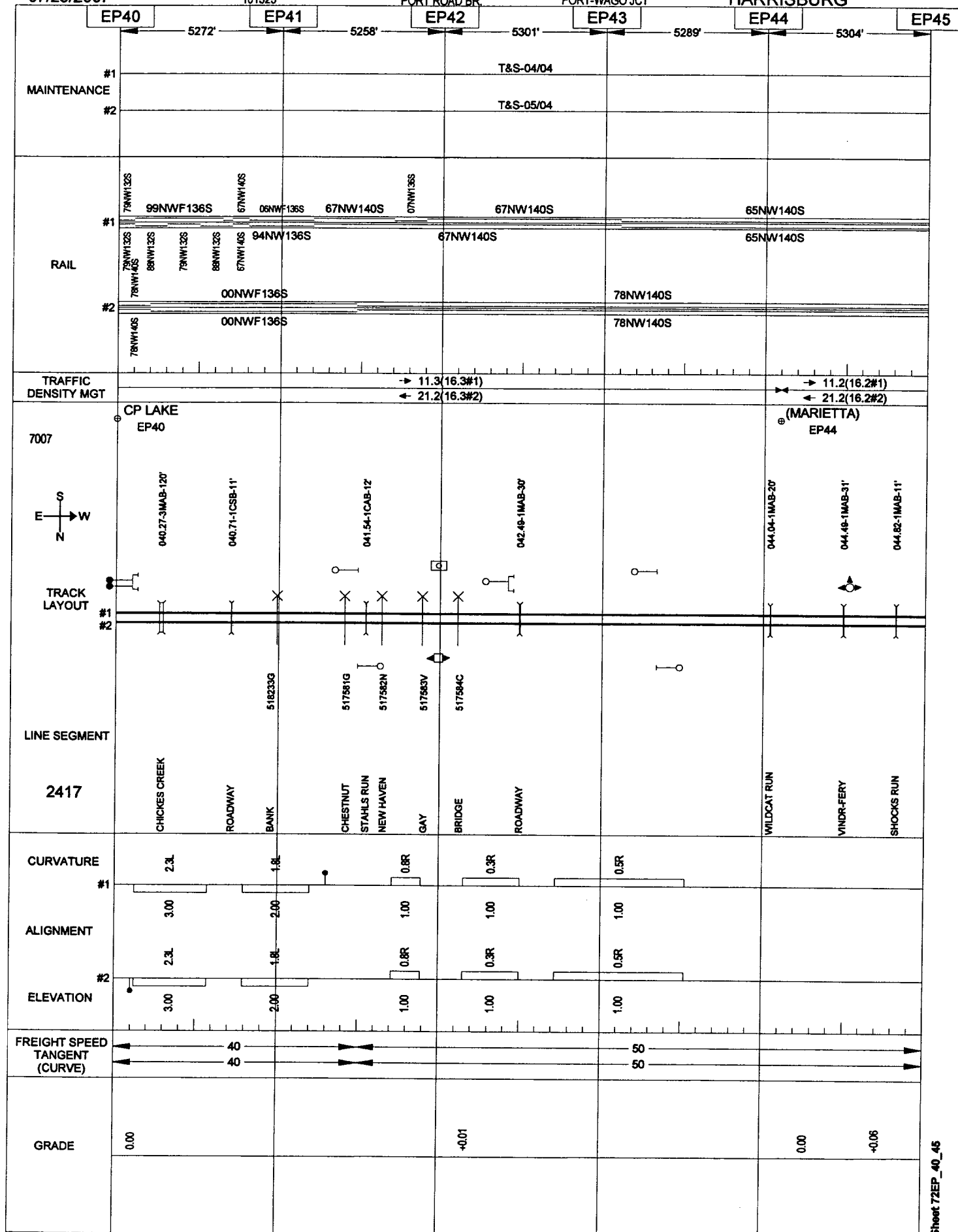
101323

240

PORT ROAD BR

PORT-WAGO JCT

HARRISBURG



07/25/2007

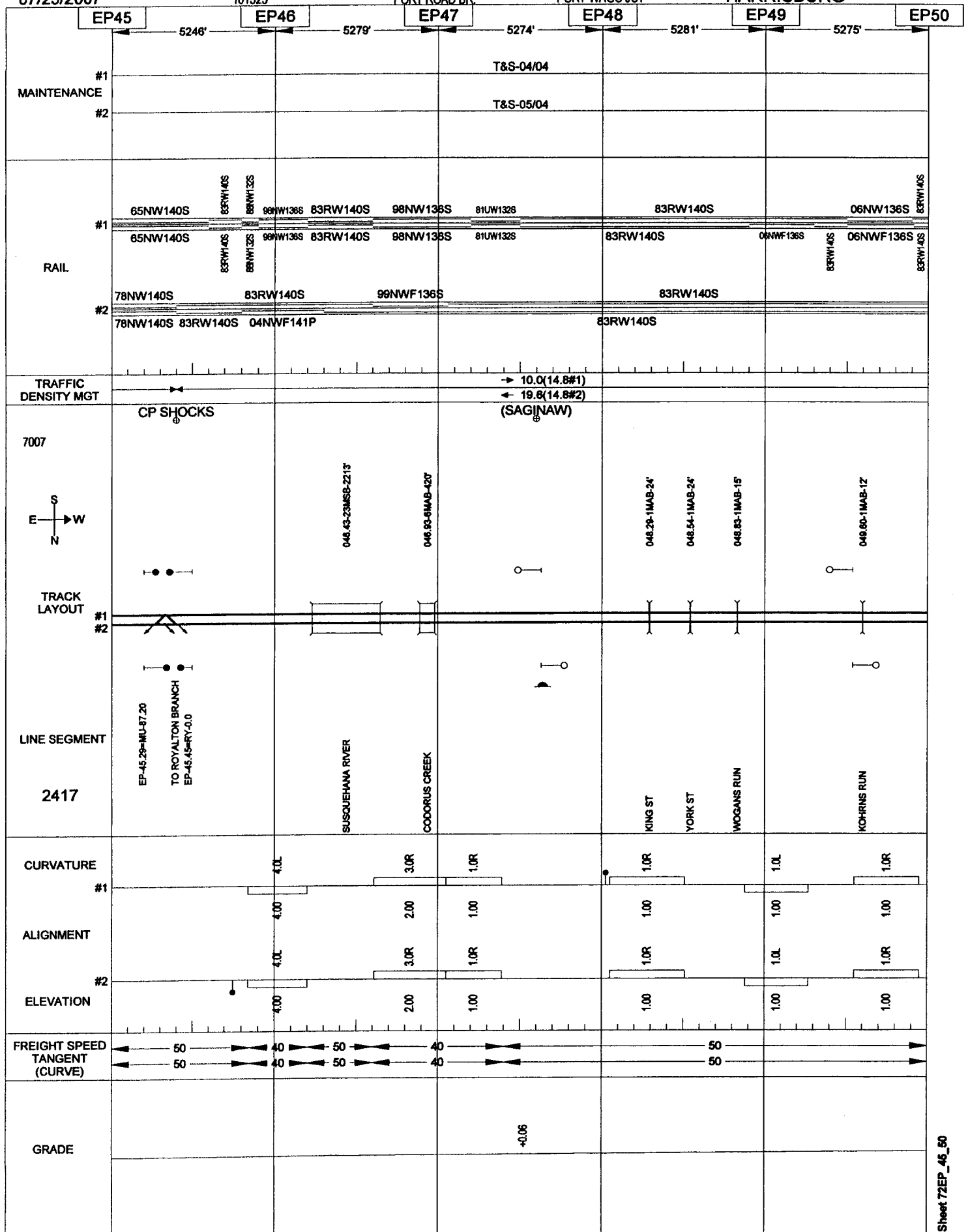
101323

241

PORT ROAD BR

PORT-WAGO JCT

HARRISBURG



07/25/2007

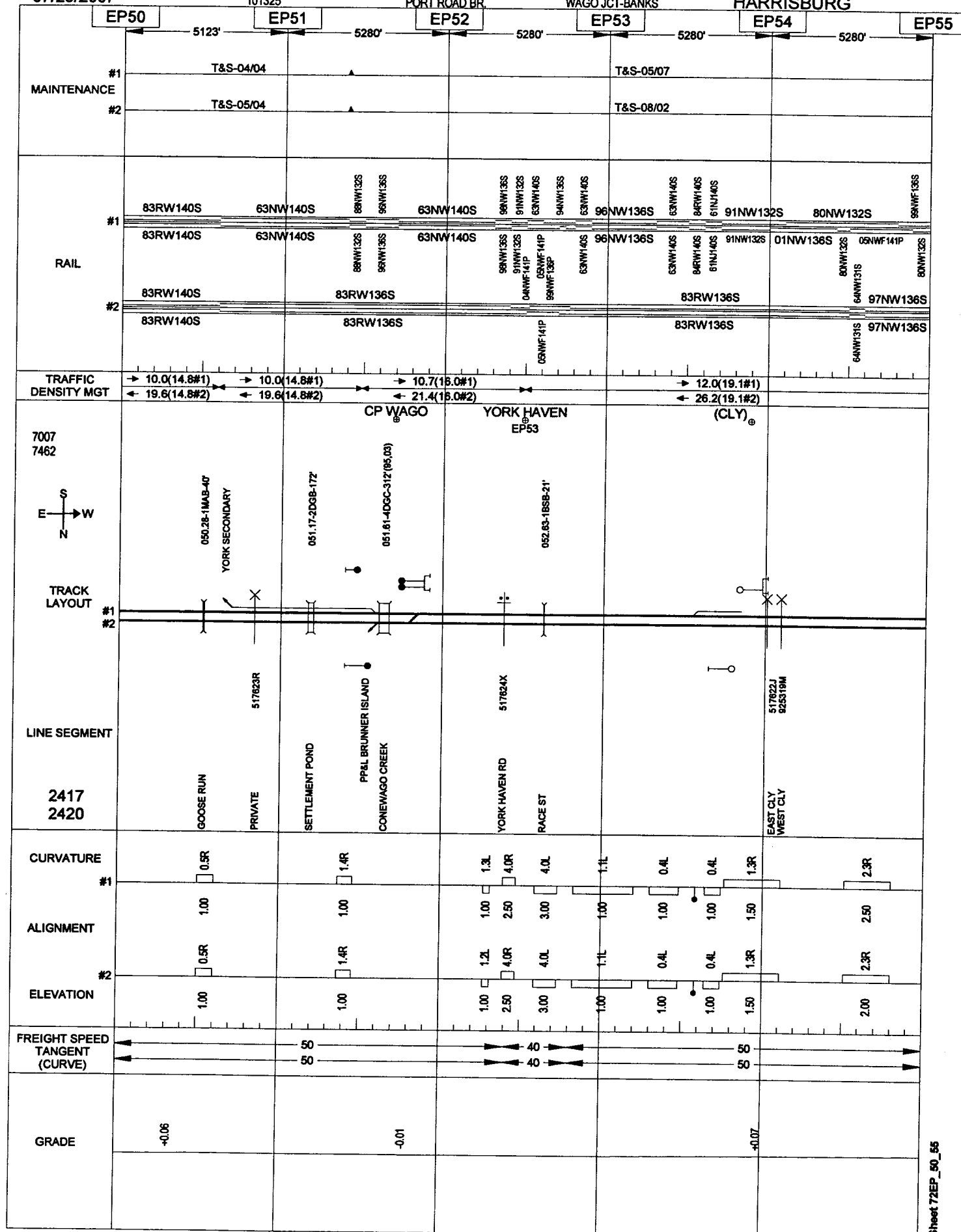
101325

242

PORT ROAD BR

WAGO JCT-BANKS

HARRISBURG



07/25/2007

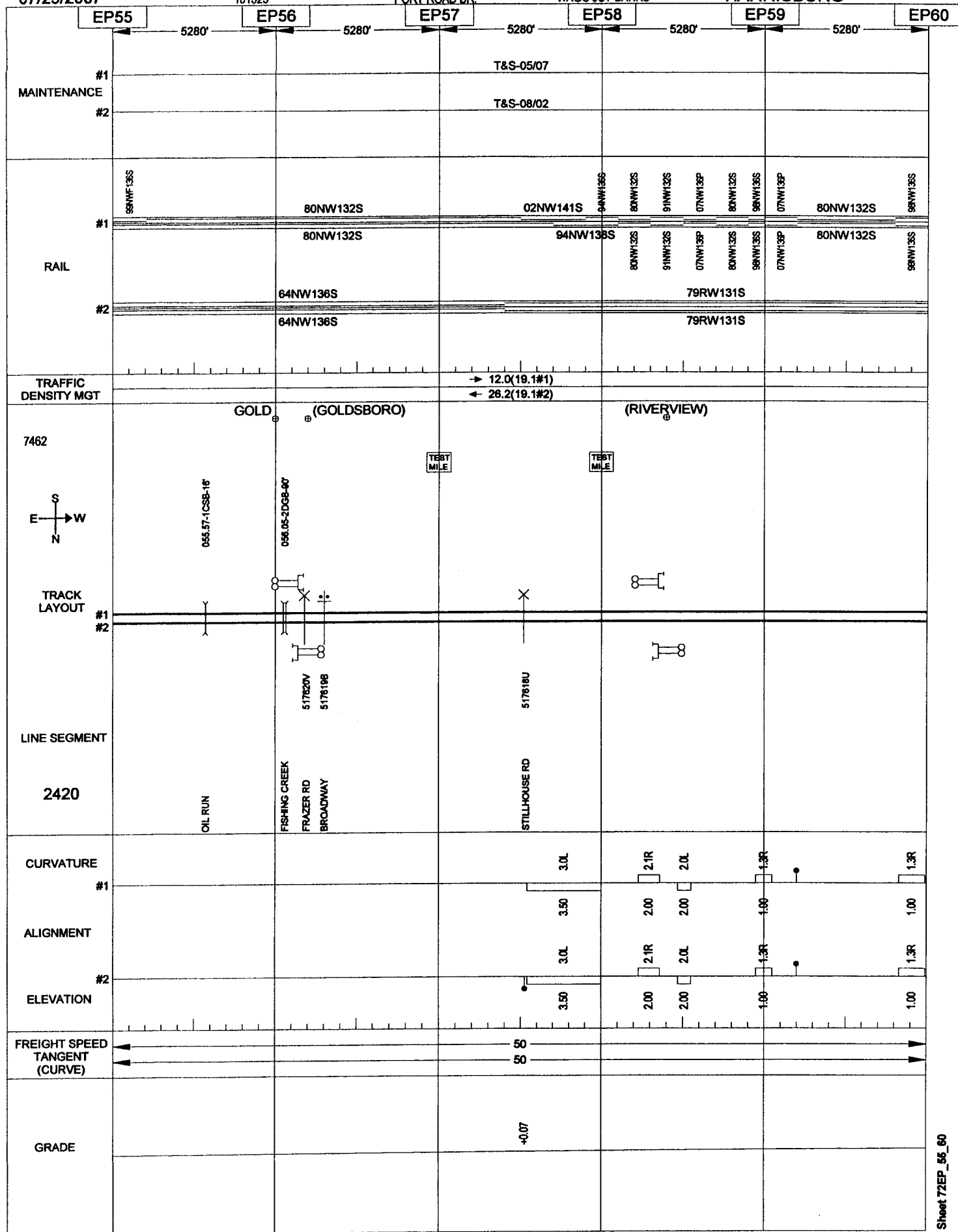
101325

243

PORT ROAD BR

WAGO JCT-BANKS

HARRISBURG





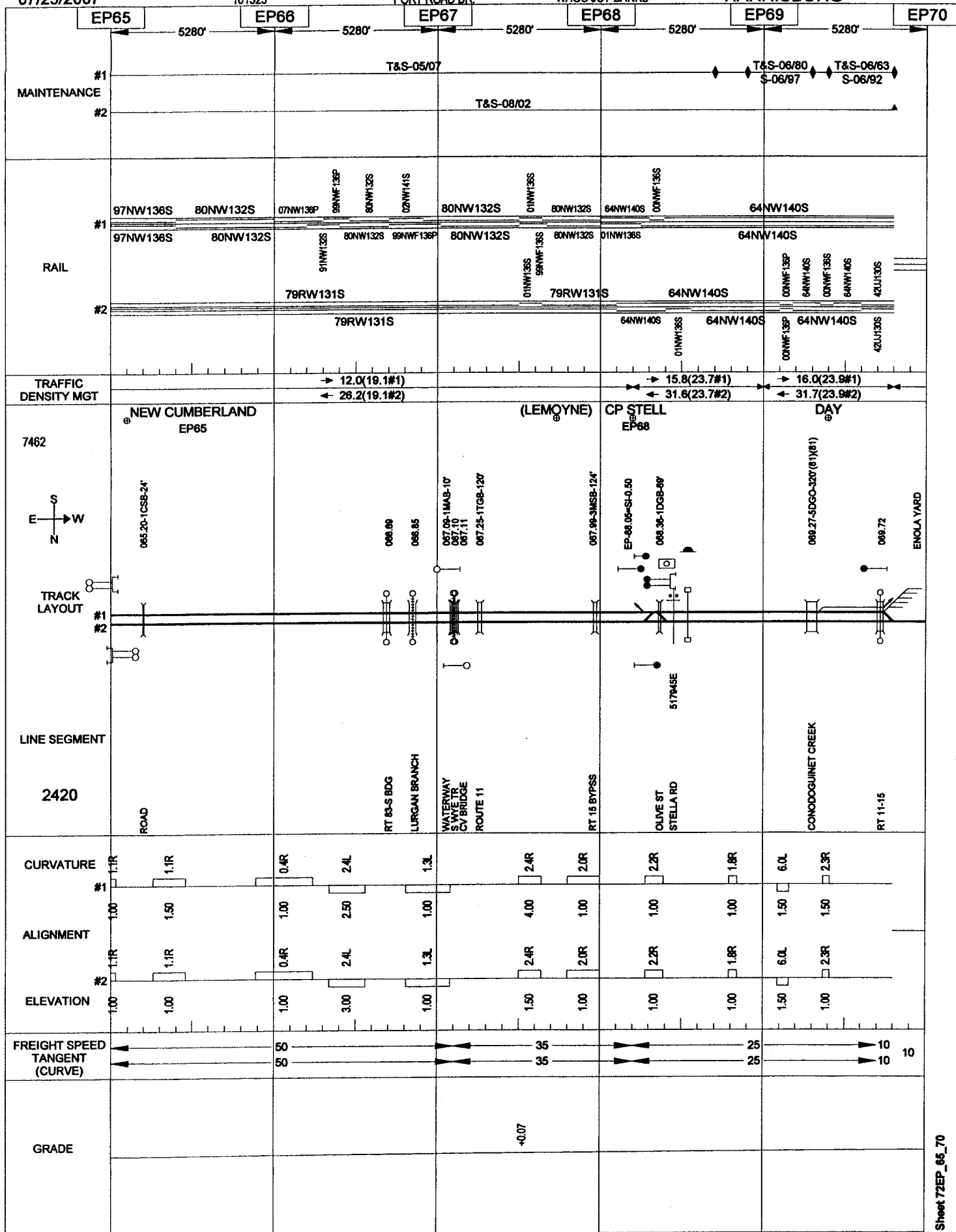
07/25/2007

245

PORT ROAD BR

WAGO JCT-BANKS

HARRISBURG





07/25/2007

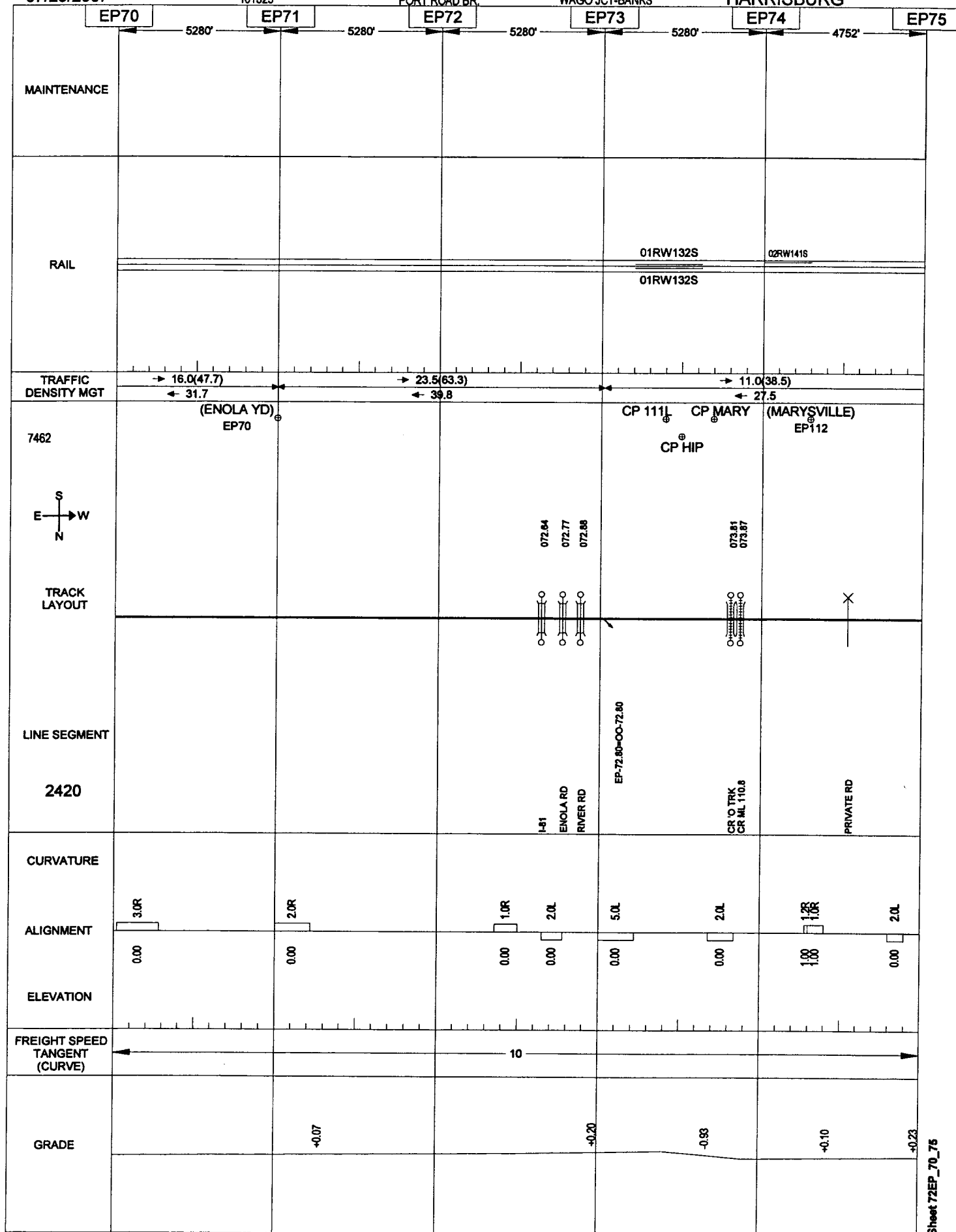
101325

246

PORT ROAD BR.

WAGO JCT-BANKS

HARRISBURG



07/25/2007

101325

247  
PORT ROAD BR.

WAGO JCT-BANKS

HARRISBURG

EP75

EP76

5280'

5280'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

→ 11.0(38.5)  
← 27.5

CP BANKS

S  
E → W  
N

TRACK  
LAYOUT

EP-76.10-PT-112.80

LINE SEGMENT

2420

CURVATURE

ALIGNMENT

3.0L  
0.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.23

07/25/2007

101326

248

PORT ROAD BR CONN.

CP HIP-CP MARY

HARRISBURG

OO73

1056'

5280'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

12.5(24.8)

12.3

CP HIP CP MARY

7008

S  
E → W  
NTRACK  
LAYOUT

TO PORT ROAD BRANCH

TO PORT ROAD BRANCH

LINE SEGMENT

2426

OO-72.80=EP-72.80

PORT ROAD BRANCH

OO-73.70=PT-111.25

CURVATURE

ALIGNMENT

ELEVATION

1.0L  
0.005.8R  
0.00FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.22

-0.44

0.00

07/25/2007

101327

249  
COLUMBIA SEC.

LANCASTER-COLUMBIA

HARRISBURG

ZL69

ZL70

5280'

5455'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT1.7(5.0)  
← 3.3

7004

TRACK  
LAYOUT

CORK

ZL-68.40-PT-68.27

068.44

DONNELLY

ZL-68.50/PT-68.47

LR38040

LINE SEGMENT

2411

CURVATURE

ALIGNMENT

ELEVATION

1.1L

0.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.20

07/25/2007

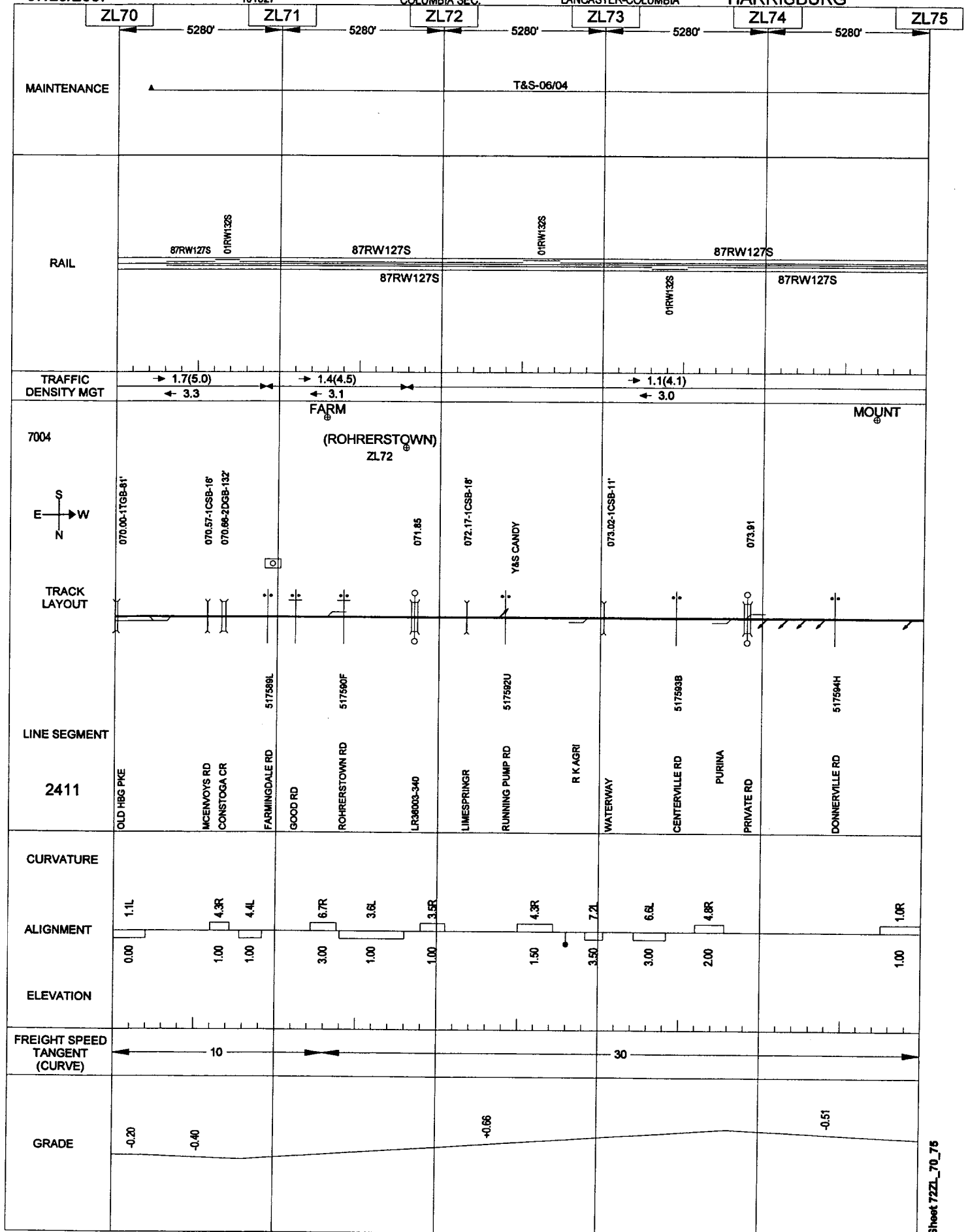
101327

250

COLUMBIA SEC.

LANCASTER-COLUMBIA

HARRISBURG



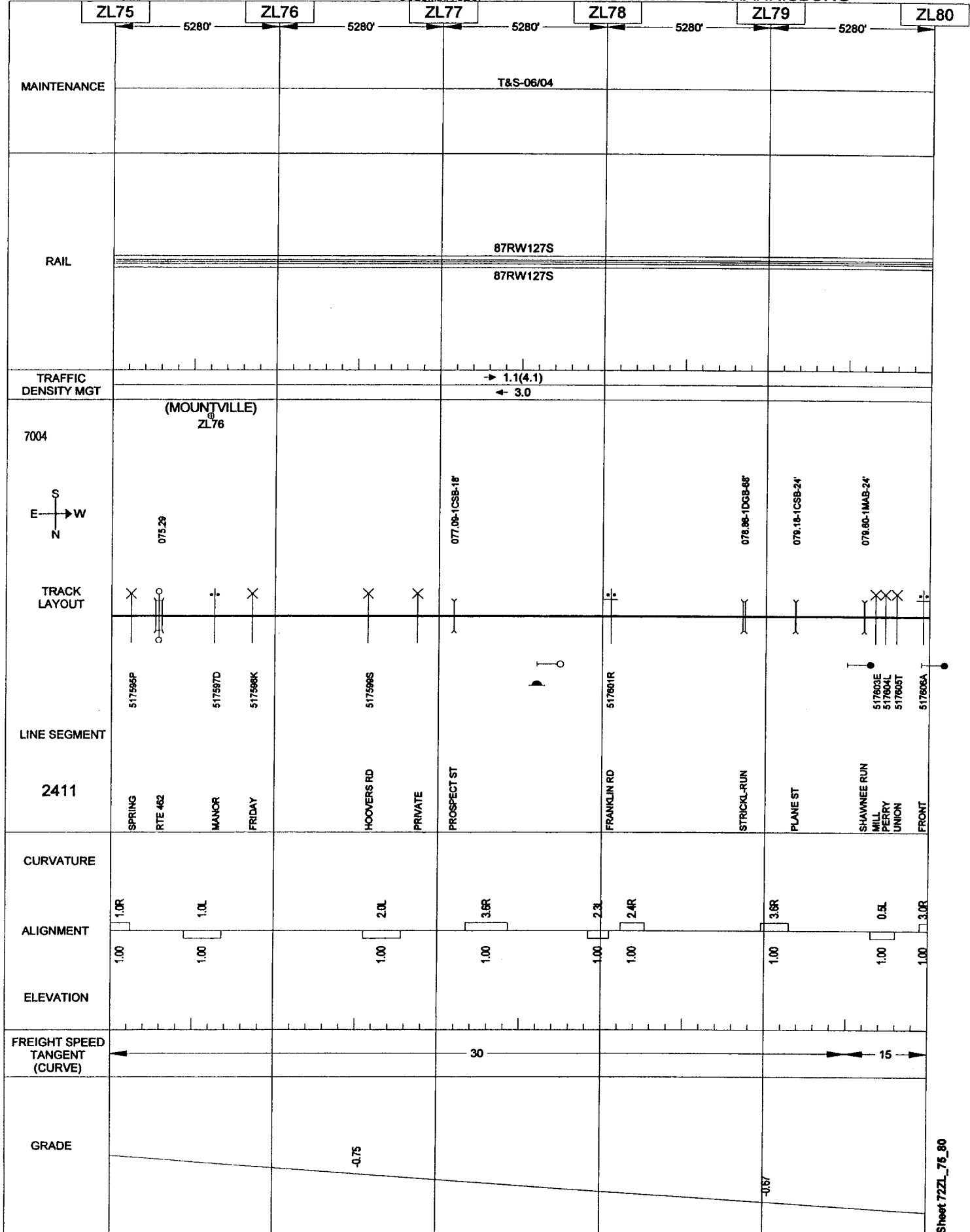
07/25/2007

101327

251  
COLUMBIA SEC.

LANCASTER-COLUMBIA

HARRISBURG



07/25/2007

101327

252

COLUMBIA SEC.

LANCASTER-COLUMBIA

HARRISBURG

ZL80

5280'

MAINTENANCE

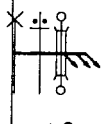
RAIL

87RW127S  
87RW127STRAFFIC  
DENSITY MGT

7004

CP COLA (COLUMBIA)  
PD38S  
E → W  
N

080.20

TRACK  
LAYOUT

LINE SEGMENT

2411

917023J  
917030D  
ZL-80.30-EP-38.47  
LOCUST ST  
PERRY ST  
RT 462

CURVATURE

ALIGNMENT

3.0R  
1.0L  
1.00  
1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

0.00

**HARRISBURG**

RY5

**T&S-11/06**

RAIL

TRAFFIC  
DENSITY MGT

7004

CP SHOCKS  
EP45

(BILLMYER)

CP JEB

(BAINBRIDGE)

## TRACK LAYOUT

RY-0.0-EP-45.45

### LINE SEGMENT

2405

## CURVATURE

## ALIGNMENT

### ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

**GRADE**

02

14

8

32

28

16

19

20

01

8

11

61

3

75

Sheet 72RY\_0\_5



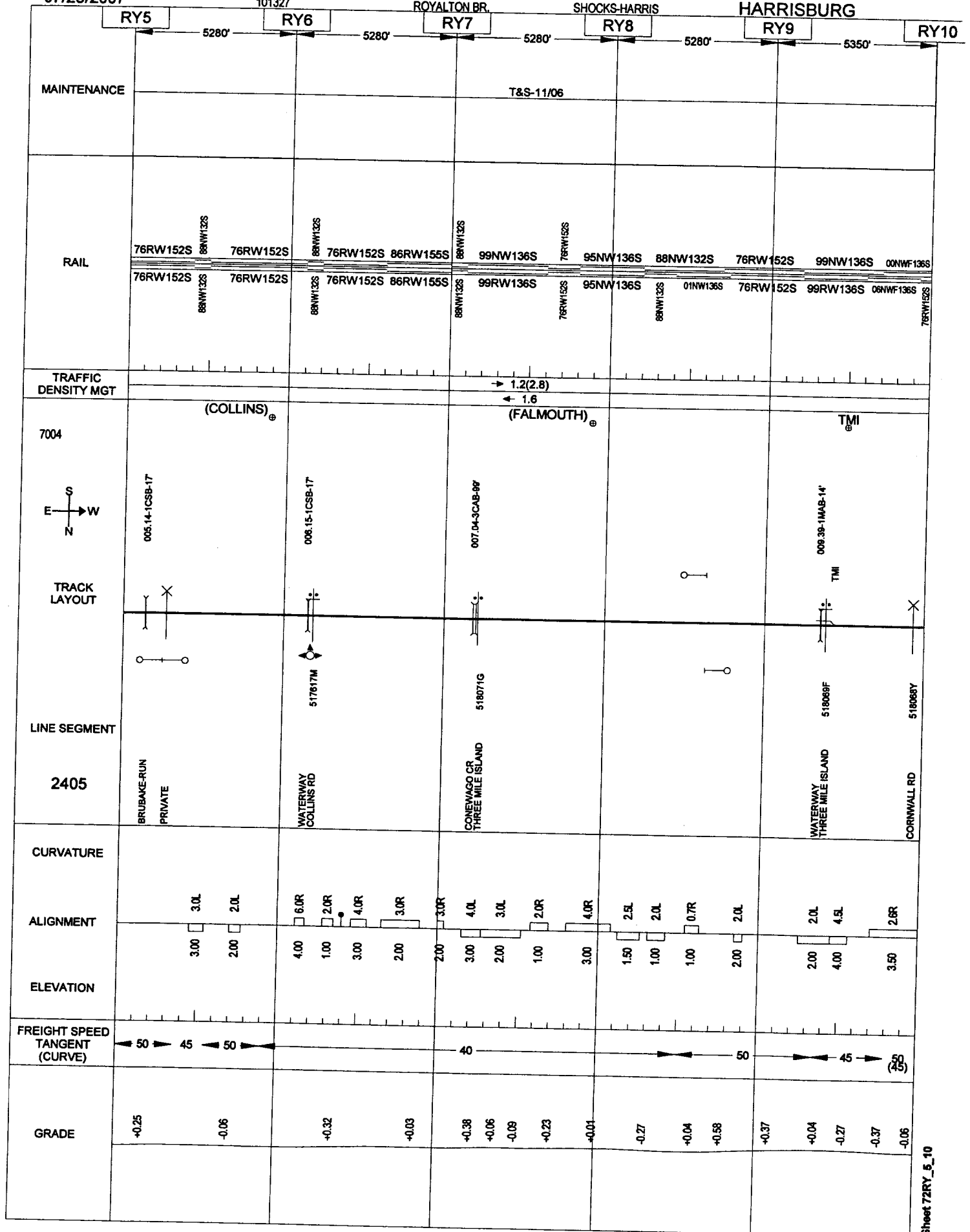
07/25/2007

254

ROYALTON BR.

SHOCKS-HARRIS

HARRISBURG



HARRISBURG

RY15

5290

T&amp;S-10/06

**87RW140S**

87BVA/1406

→ 1 1/2

(HIGHSPIRE

(HIGHSPIRE

**14.09**

9

RR

RR

2.

2.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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07/25/2007

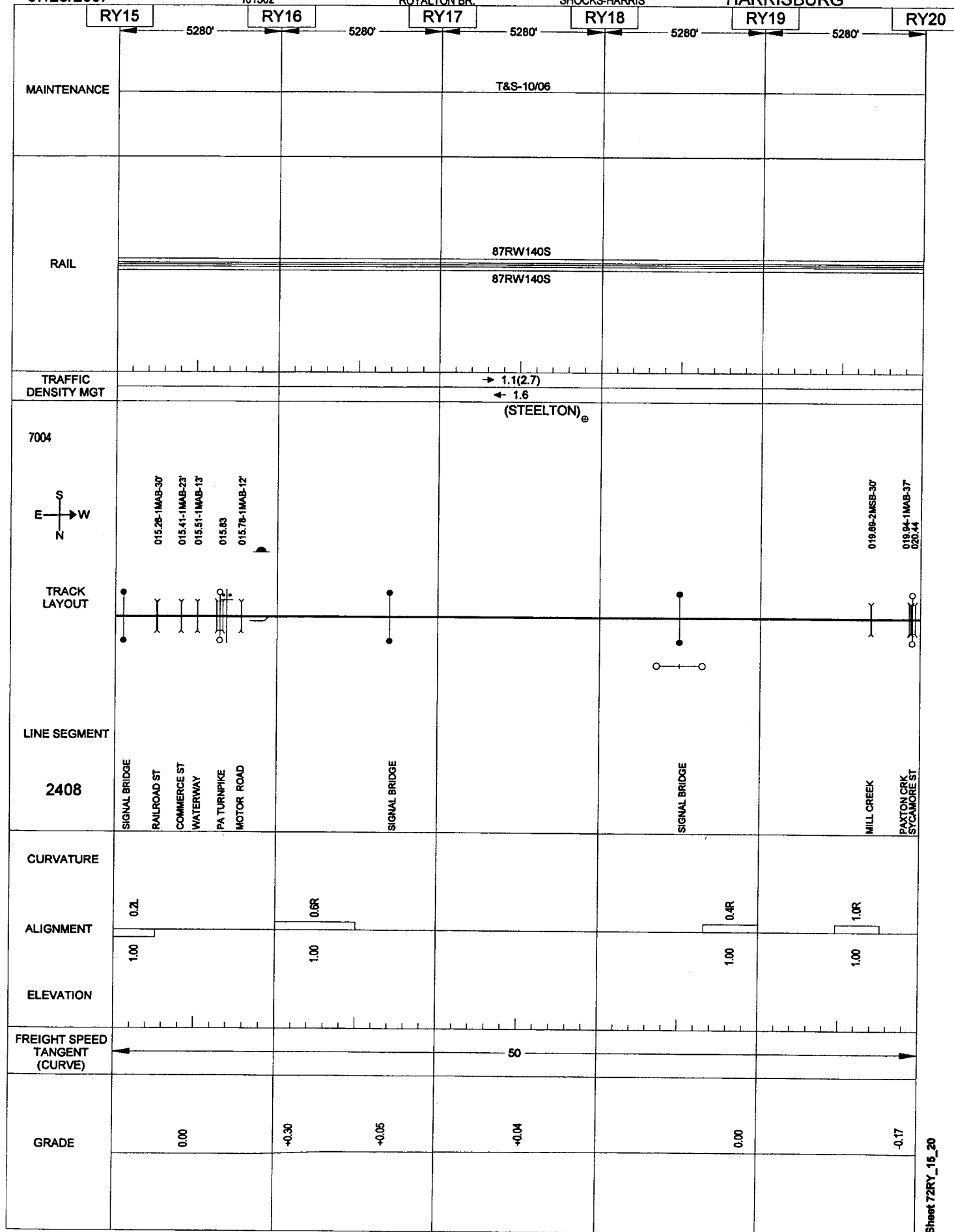
101302

256

ROYALTON BR.

SHOCKS-HARRIS

HARRISBURG



07/25/2007

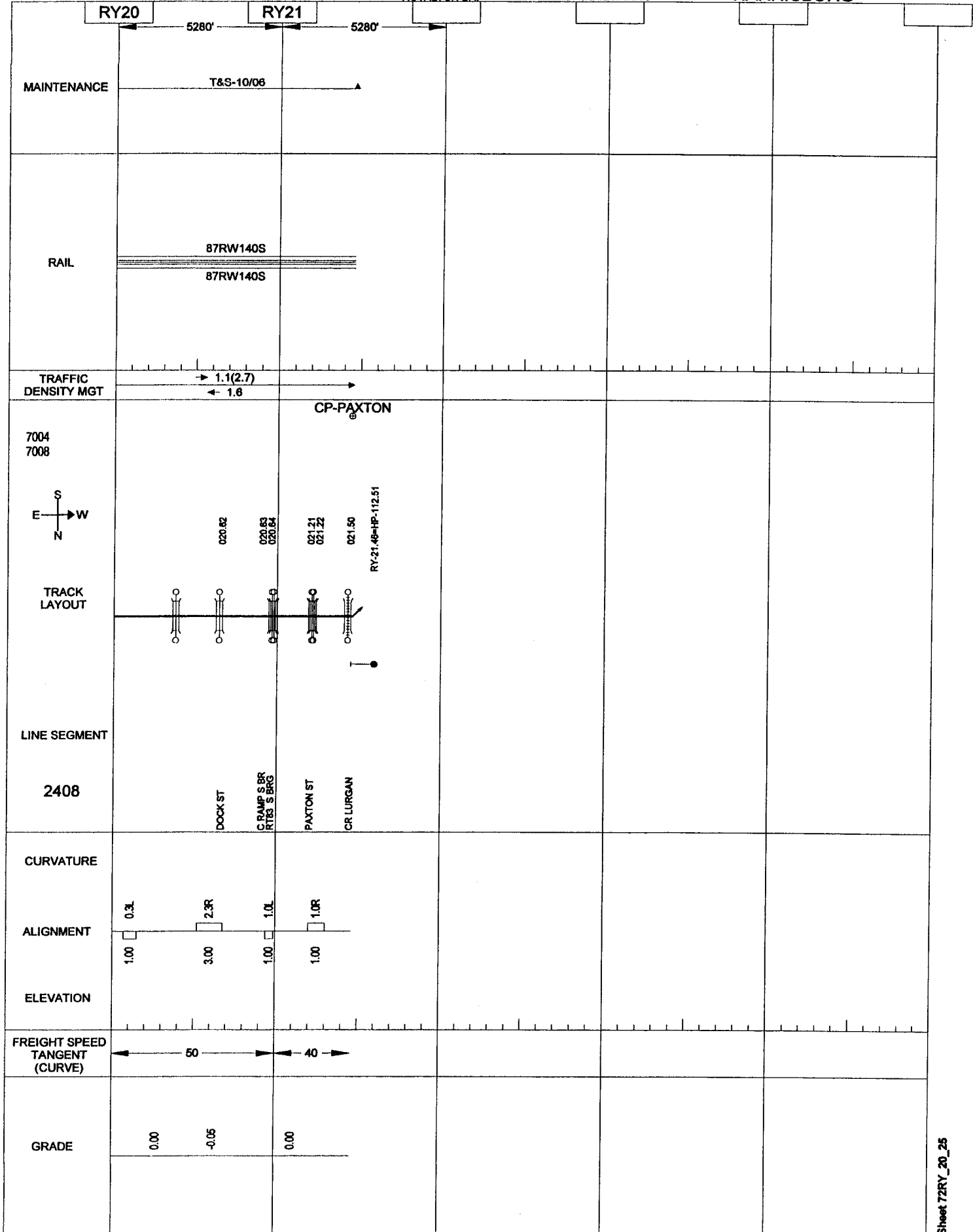
101302

257

ROYALTON BR.

SHOCKS-HARRIS

HARRISBURG



07/25/2007

101327

258  
MARIETTA I.T.

MARIETTA-SHOCKS MILLS

HARRISBURG

MU84

MU85

5280'

5280'

T&amp;S-06/93

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

7004

TRACK  
LAYOUT(MARIETTA)  
6

LINE SEGMENT

2552

PENN ALUMINUM



517607G

DECATUR

GSA

CURVATURE

ALIGNMENT

ELEVATION

1.00  
4.0R1.00  
0.8R1.00  
4.0RFREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.40

07/25/2007

101327

259

MARIETTA I.T.

MARIETTA-SHOCKS MILLS

HARRISBURG

MU85

MU86

MU87

5280'

5280'

1562'

MAINTENANCE

T&amp;S-06/93

RAIL

TRAFFIC  
DENSITY MGT7004  
7007TRACK  
LAYOUT

LINE SEGMENT

2552

 CP SHOCKS  
 (SHOCKS MILLS)  
 MU86

086.09-1CSB-14'

086.88-1CSB-18'

517608N

MU-57.20-EP-45.29

WILDCAT RUN

VINEGAR FERRY RD

SHOCKS RUN  
PRIVATE

CURVATURE

ALIGNMENT

1.00

20R

1.00

1.5L

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.17

+0.08

07/25/2007

101332

260  
YORK SEC.

WAGO-FLOUR

HARRISBURG

YX3

YX4

YX5

5280'

5280'

5280'

MAINTENANCE

T&amp;S-09/04

RAIL

27NJ130S

87RW127S

27NJ130S

87RW127S

TRAFFIC  
DENSITY MGT

→ 1.5(2.1)

← 0.6

7462

TRACK  
LAYOUT

CP WAGO

WOLF

YX-2.40-EP-51.59

002.83-3DGB-255'

003.35-1DGB-50'

003.94-1DGB-55'

004.17-1DGB-56'

004.32-1DGB-45'

004.72-1DGB-45'

004.95-1MAB-20'

LINE SEGMENT

2891

SETTLEMENT POND

PRIVATE

MAIN STREET

HARTMAN RN

HARTMAN RN

N MAIN ST

HARTMAN RN

CHESTNUT ST

HARTMAN RN

CURVATURE

ALIGNMENT

ELEVATION

1.3L  
1.003.2R  
1.002.2R  
1.001.9L  
1.002.0R  
1.001.7R  
1.00FREIGHT SPEED  
TANGENT  
(CURVE)

30

GRADE

-0.08

0.00

-0.10

07/25/2007

101332

261

YORK R.T.

FLOUR-YORK

HARRISBURG

YX5

YX6

YX7

YX8

YX9

YX10

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-09/04

RAIL

87RW127S

87RW127S

TRAFFIC  
DENSITY MGT→ 1.8(2.5)  
← 0.7→ 1.9(2.8)  
← 0.9

7462

MT WOLF  
YX5(EMIGSVILLE)  
YX9FLOUR  
YX8

005.04-1MAB-20'

GEORGIA PACIFIC

005.45-1CSB-14'

005.56-1CSB-16'

CON AGRA WAREHOUSE

008.09

008.23-3CSB-72'

008.53-1DSG-21'(76)

008.42-1CSB-24'

GRAHAM PACKAGING

TRACK  
LAYOUT

LINE SEGMENT

2891

HARTMAN RN

MAPLE ST

WALNUT ST

HARTMAN RN

HARTMAN RN

FORGE HILL RD

BRICK YARD RD

LR 51963

STREAM-ROAD

ROAD

LOCUST LN

WAGON RD

CONAGRA RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

30

15

GRADE

-0.10

-0.10

0.00

-0.39



07/25/2007

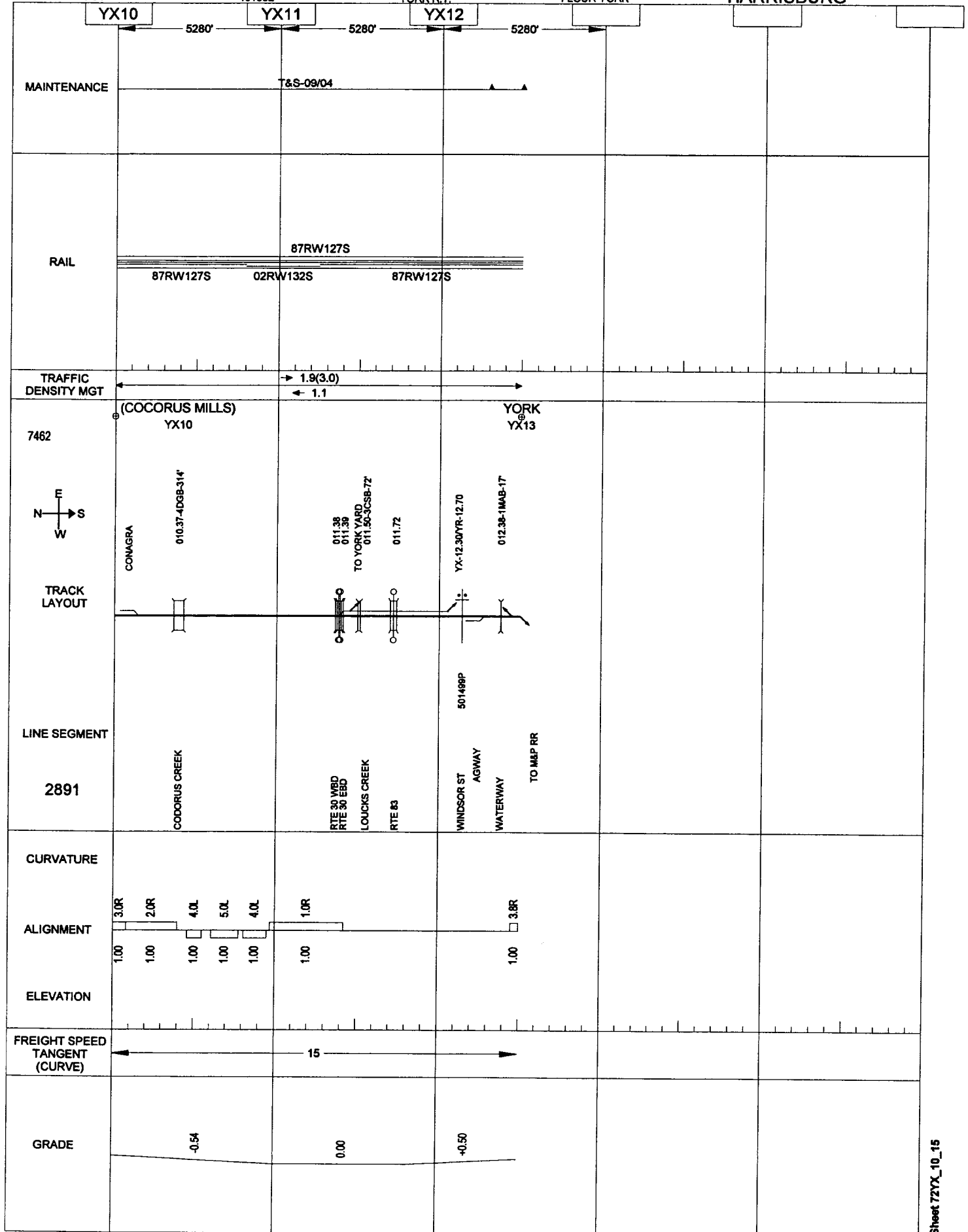
101332

262

YORK R.T.

FLOUR-YORK

HARRISBURG



07/25/2007

101340

263  
YORK I.T.

STONE BROOK-YORK

HARRISBURG

YR8

YR9

YR10

5280'

5280'

5280'

MAINTENANCE

T&amp;S-06/87

RAIL

32UJ125S	29UJ130S	32UJ125S	28NJ130S	37NJ130S	**NJ100S
32UJ125S	29UJ130S	32UJ125S	28NJ130S	37NJ130S	**NJ100S

TRAFFIC  
DENSITY MGT

7007

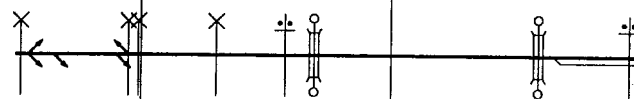
S  
E — W  
N

TRACK  
LAYOUT

(STONE BROOK)

008.69

008.59



517829R

517830K

925322V

LINE SEGMENT

2882

CAMPBELL RD

STONE WOOD RD

PRIVATE

SR 462

YORK-CO-HOM

LR10891-B

CONCORD RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.36

-0.58

-0.53

-0.18

07/25/2007

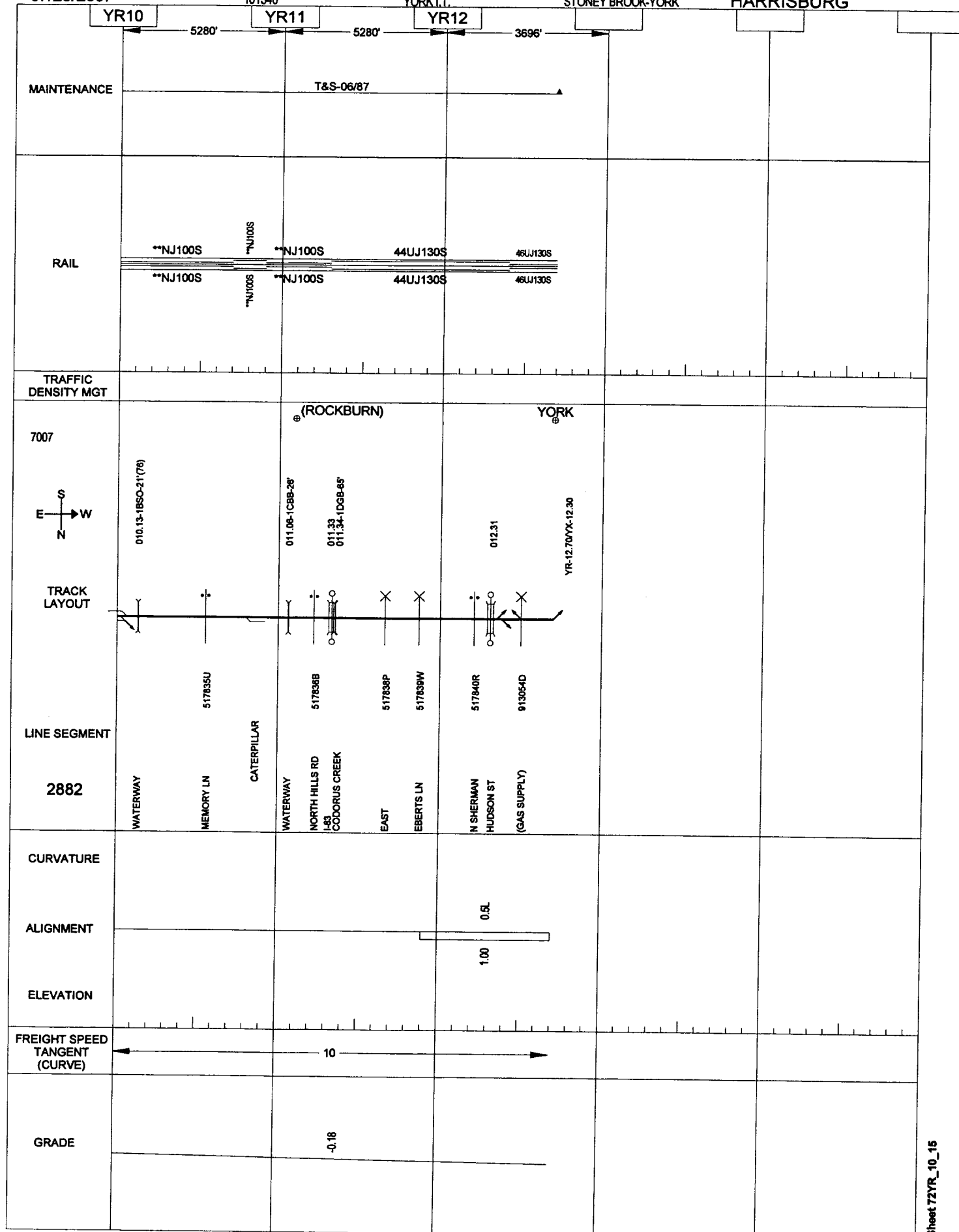
101340

264

YORK I.T.

STONEY BROOK-YORK

HARRISBURG



07/25/2007

101254

265

PERRYVILLE TK.

PERRYVILLE

HARRISBURG

ZK0

5280'

MAINTENANCE

RAIL

\*\*NJ130S

\*\*NJ130S

TRAFFIC  
DENSITY MGT

CP MINNICK

7106

TRACK  
LAYOUT

ZK-0.0=PD-1.80

LINE SEGMENT

2903

CURVATURE

ALIGNMENT

0.6R

1.7R

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

← 10 →

GRADE

0.00

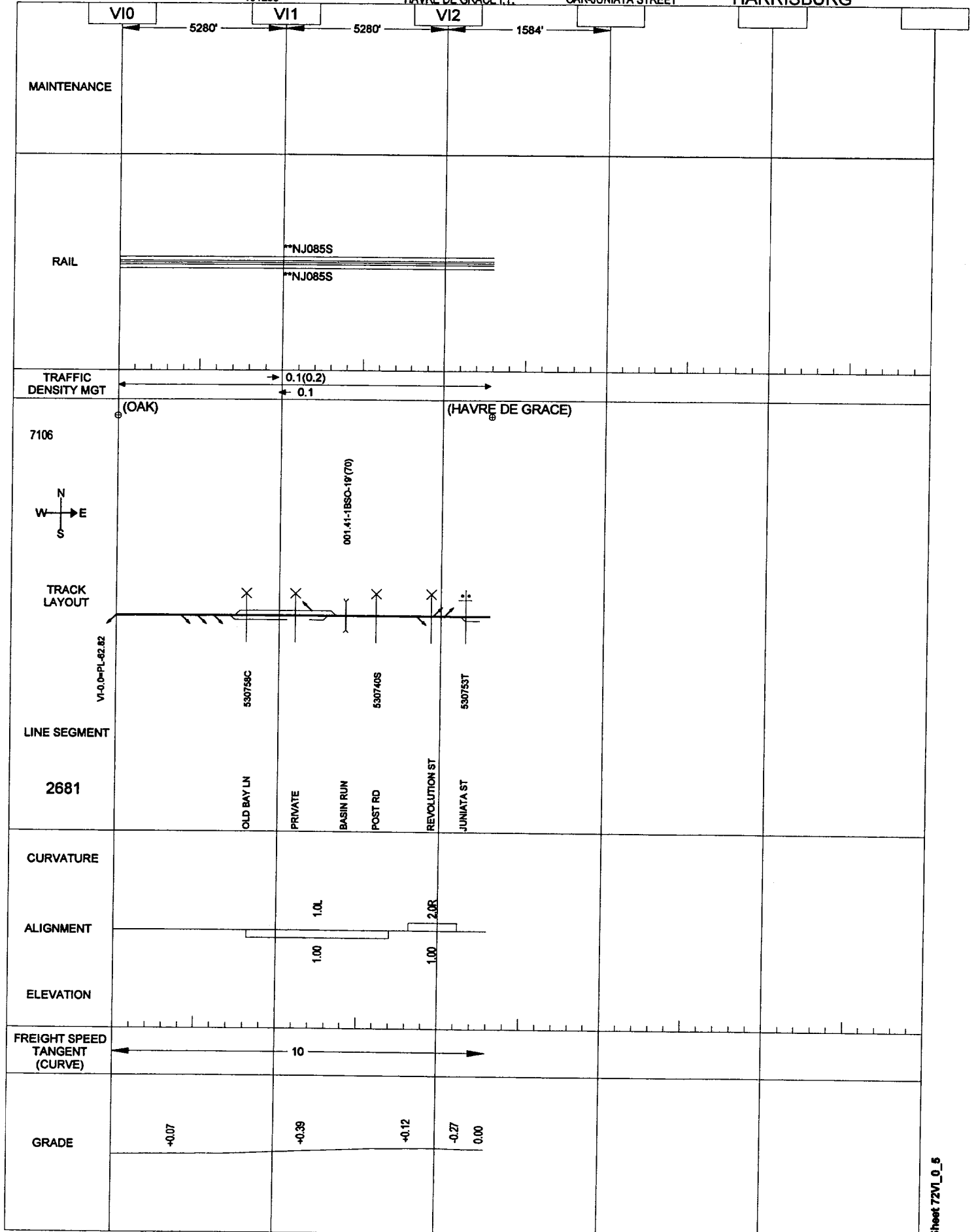
07/25/2007

101255

266  
HAVRE DE GRACE I.T.

OAK-JUNIATA STREET

HARRISBURG



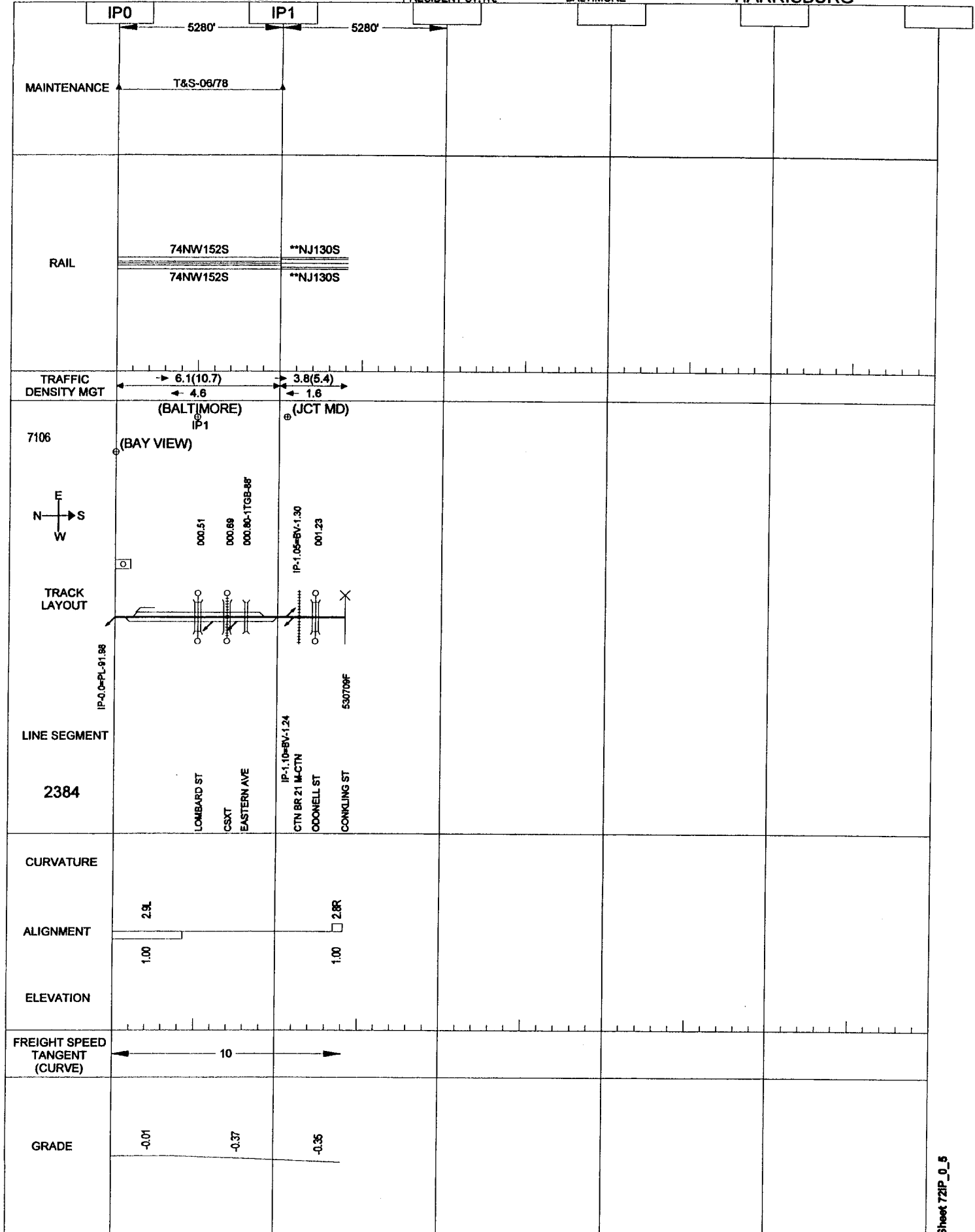
07/25/2007

101257

267  
PRESIDENT ST.TK.

BALTIMORE

HARRISBURG



07/25/2007

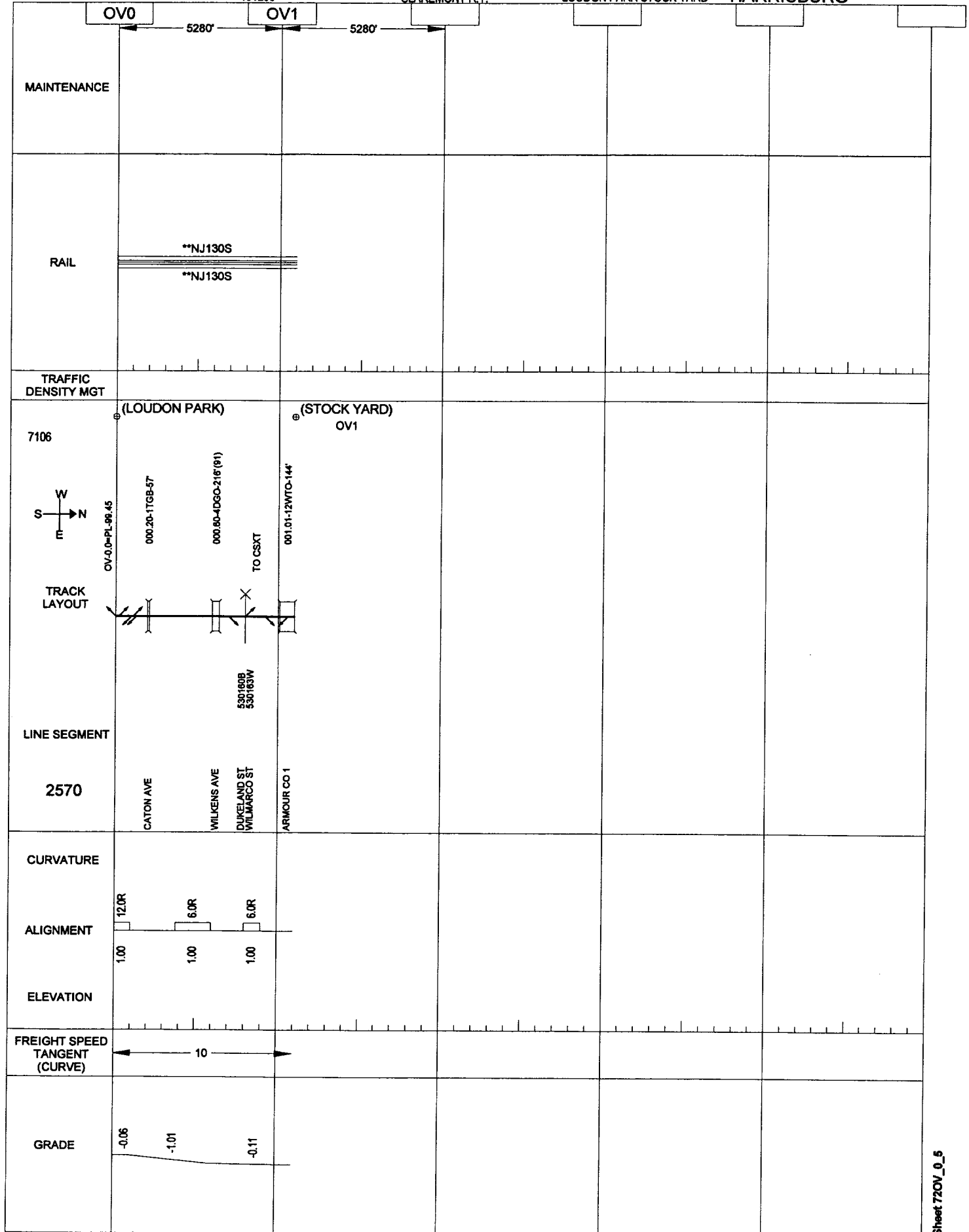
101258

268

CLAREMONT R.T.

LOUDON PARK-STOCK YARD

HARRISBURG



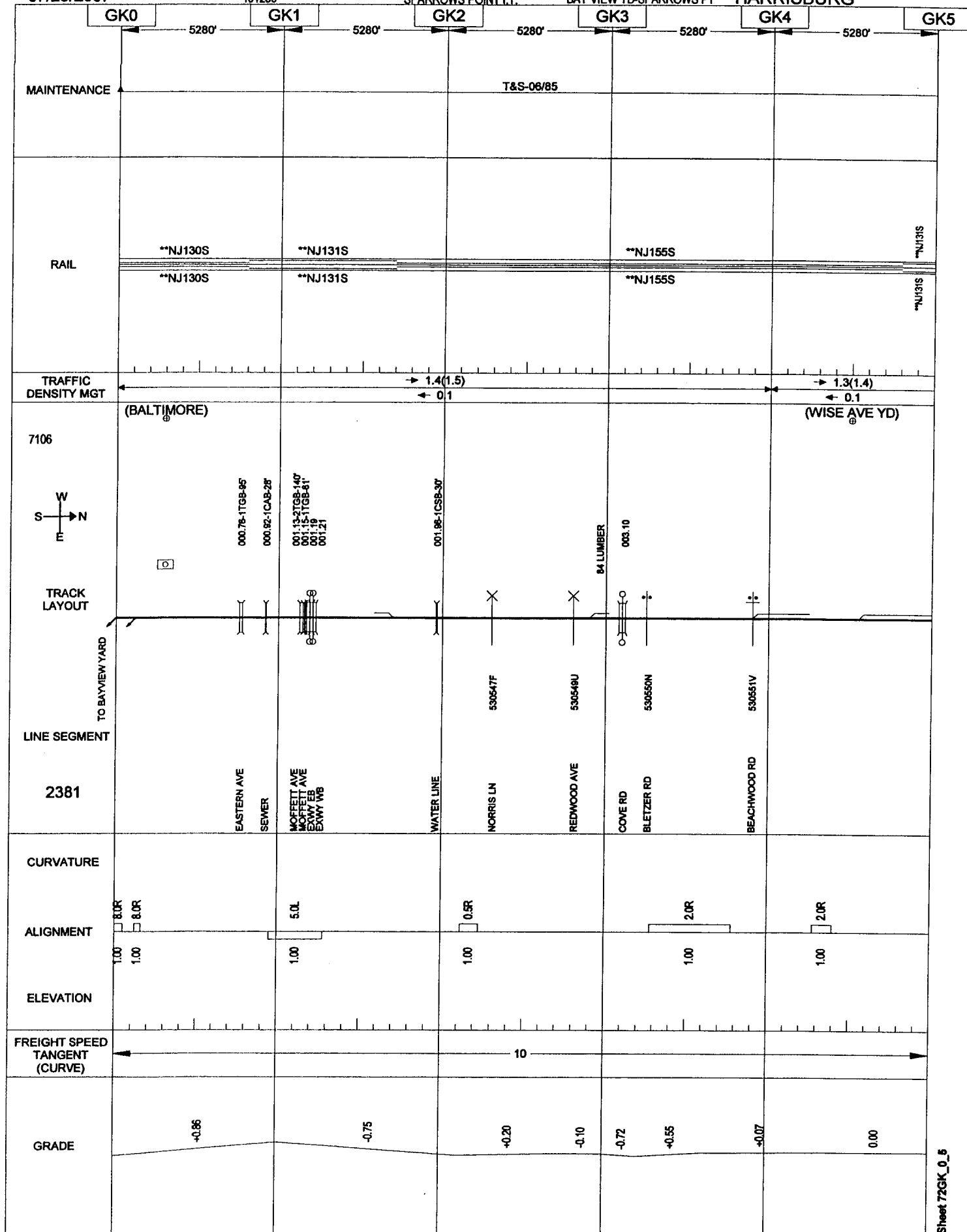
07/25/2007

101259

269  
SPARROWS POINT I.T.

BAY VIEW YD-SPARROWS PT

HARRISBURG





07/25/2007

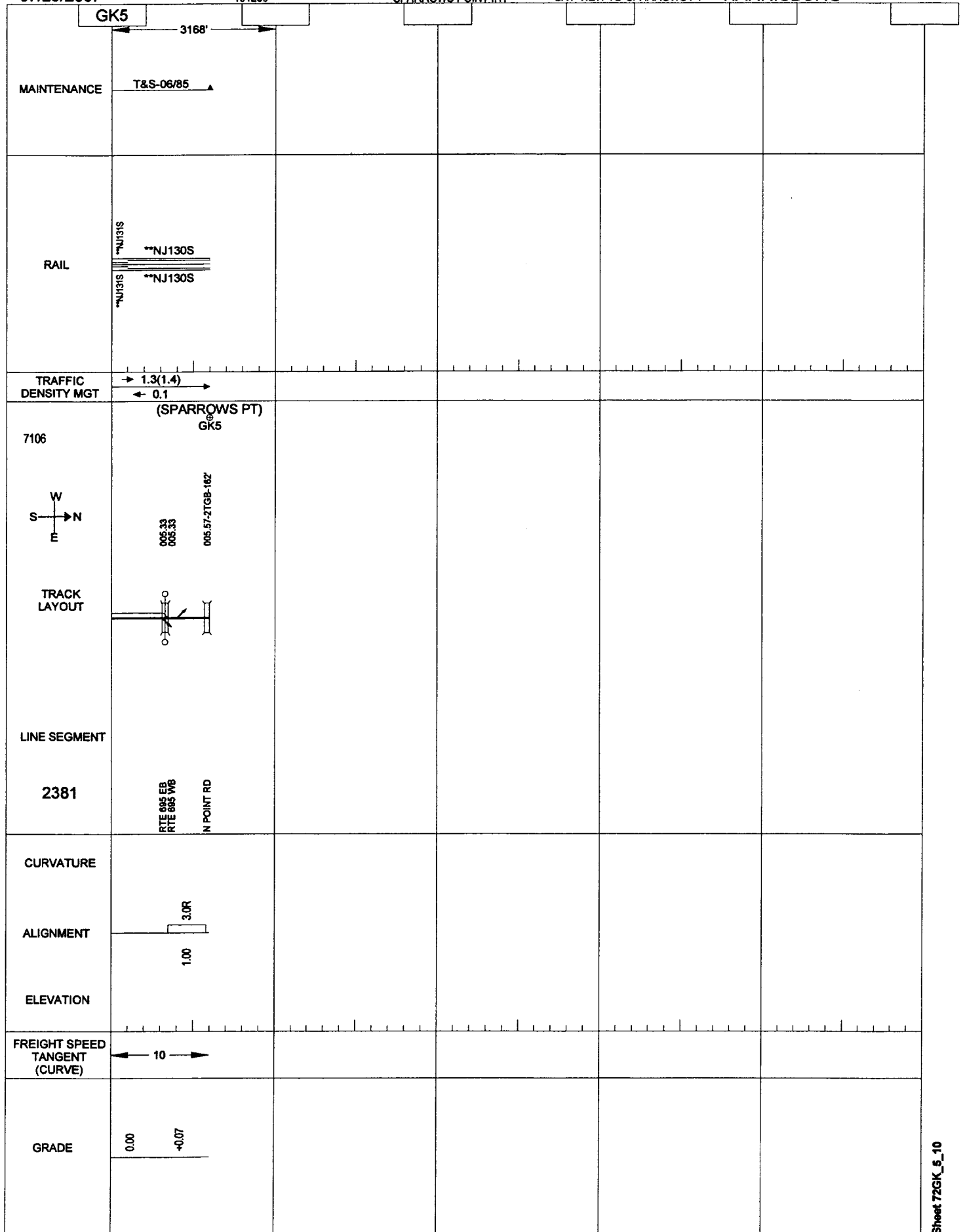
101259

270

SPARROWS POINT I.T.

BAY VIEW YD-SPARROWS PT

HARRISBURG



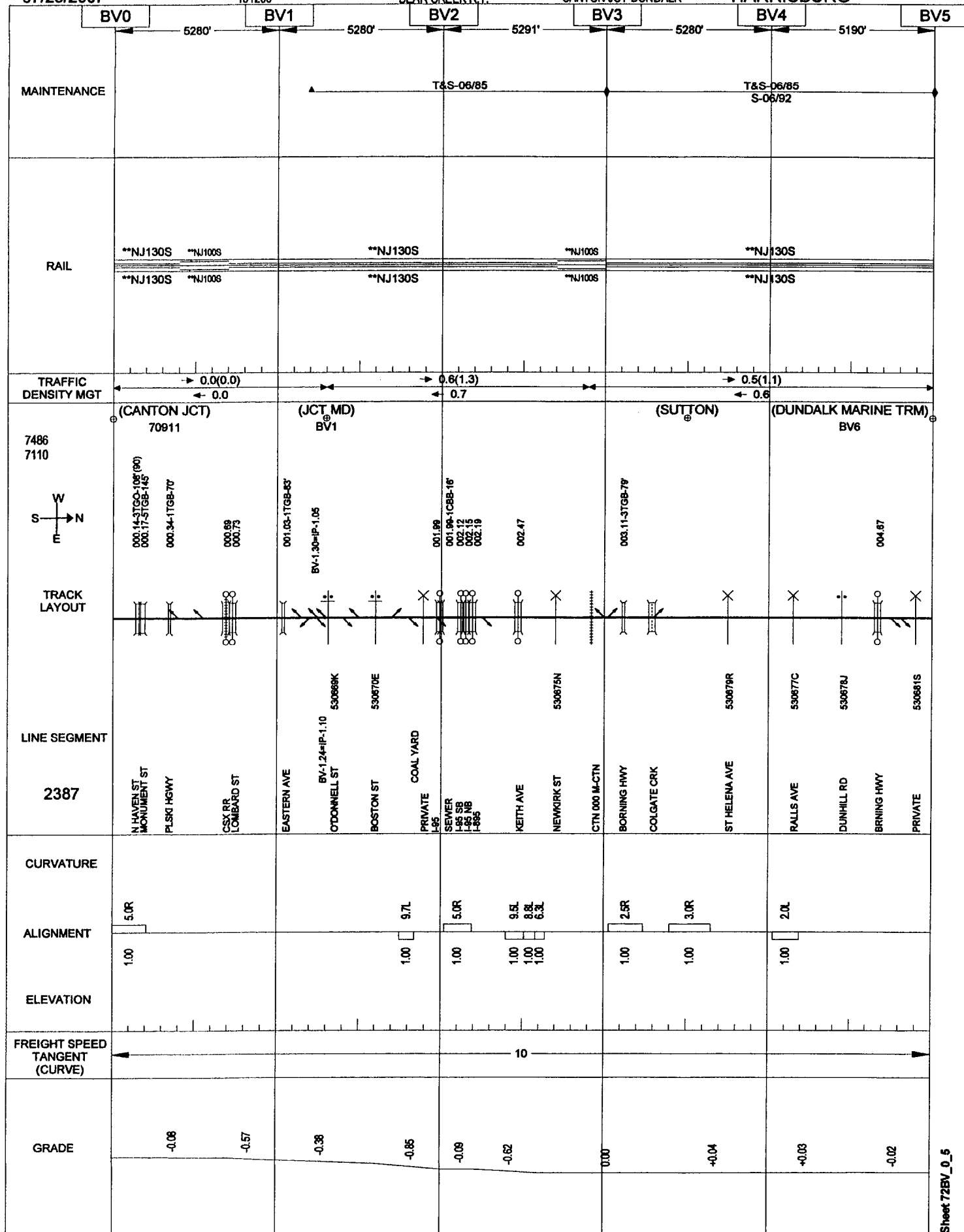
07/25/2007

101260

271  
BEAR CREEK R.T.

CANTON JCT-DUNDALK

HARRISBURG



07/25/2007

101260

272

BEAR CREEK R.T.

CANTON JCT-DUNDALK

HARRISBURG

	BV5	5363'					
MAINTENANCE							
RAIL	**NJ130S **NJ130S						
TRAFFIC DENSITY MGT							
7110	(DUNDALK MARINE TRM) BV6						
<div> <div>W</div> <div>S — N</div> <div>E</div> </div>							
TRACK LAYOUT							
LINE SEGMENT							
2387							
CURVATURE							
ALIGNMENT	2.0R 1.00						
ELEVATION							
FREIGHT SPEED TANGENT (CURVE)	← 10 →						
GRADE	-0.02						

07/25/2007

106159

273

NAVE-CROXTON R.T.

CP CROXTON-HX

HARRISBURG

ND2

ND3

ND4

1056'

5280'

5280'

1584'

MAINTENANCE

T&amp;S-06/89

RAIL

46NJ131S 25NJ130S 51RW140S 93RW131S  
 46NJ131S 25NJ130S 51RW140S 93RW131S

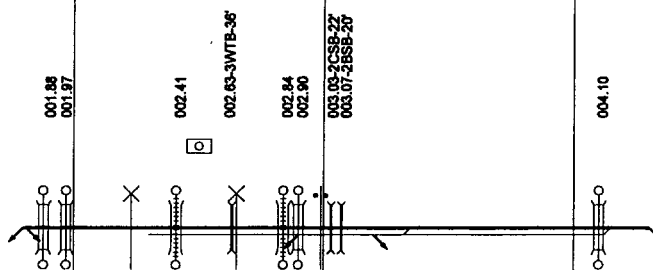
TRAFFIC  
DENSITY MGT2.6(4.8)  
2.2

CP CROXTON

(BERGEN JCT)

HX

S  
E → W  
N

TRACK  
LAYOUT

LINE SEGMENT

2255

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

-0.76 -0.57 +1.07 -1.26 +0.07

07/25/2007

106166

274  
NEWARK I.T.

WOODSIDE-PATERSON JCT

HARRISBURG

NK9

NK10

4492'

5536'

MAINTENANCE

T&amp;S-06/90 T&amp;S-06/90

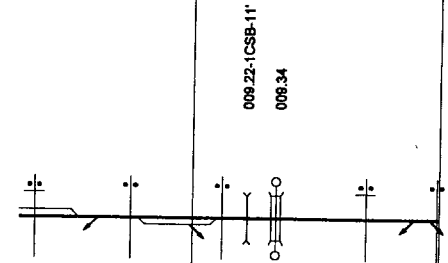
RAIL

30NJ110S 51RJ100S 23NJ100S 27NJ100S  
 30NJ100S 51RJ100S 23NJ100S 27NJ100S

TRAFFIC  
DENSITY MGT0.0(0.0)  
0.0

(WOODSIDE)

S  
E — W  
N

TRACK  
LAYOUT

LINE SEGMENT

2559

282963T 282965G 282968N 282968C  
 3RD AVE NAPP GRECCO XING CHESTER AVE SEWER SR 21 GRAFTON MILL ST

CURVATURE

ALIGNMENT

ELEVATION

1.00 14.0R 3.0L 3.0R  
 1.00 1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.50 0.00 -0.35 -0.11

07/25/2007

106166

275

NEWARK I.T.

WOODSIDE-PATERSON JCT

HARRISBURG

NK10

NK11

NK12

NK13

NK14

NK15

5471'

5289'

5306'

5278'

5180'

MAINTENANCE

T&amp;S-06/90

T&S-06/90  
S-06/98

T&amp;S-06/90

T&S-06/90  
S-06/98

RAIL

27NJ100S

27NJ100S

28NJ100S

28NJ100S

29NJ100S

29NJ100S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)

← 0.0

(CLEVELAND ST)

(BELLEVILLE)

NK12

(WALNUT ST)

(NUTLEY)

(FRANKLIN AVE)

(ALLWOOD)

NK15

S  
E → W  
NTRACK  
LAYOUT010.07  
010.15-100-68(76)  
010.22-110B-71

012.42-100-68(76)

012.83

013.02-3DT-297(76)

013.35-3MSB-74

014.38

LINE SEGMENT

2559

VERONA AVE  
NUT BOONTON LINE  
SECOND RIVER  
MILL ST

SCHUYLER ST

WILLIAM ST

BELLEVILLE

RUTGER ST

ACADEMY ST

HOLMES ST

JORALEMON ST

LITTLE ST

WASHINGTON AVE

PARK AVE

GRANT AVE

NUTLEY AVE

HIGHFIELD AVE

PASSIC AVE

FRANKLIN AVE

PRIVATE

KINGSLAND RD

HOFFMAN LAROCHE  
PIPELINE

HOFFMAN LAROCHE

SR 3

ALLWOOD RD

BLOOMFIELD AVE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

3.0L

2.0L

1.00

1.00

1.00

2.0R

1.00

1.00

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07/25/2007

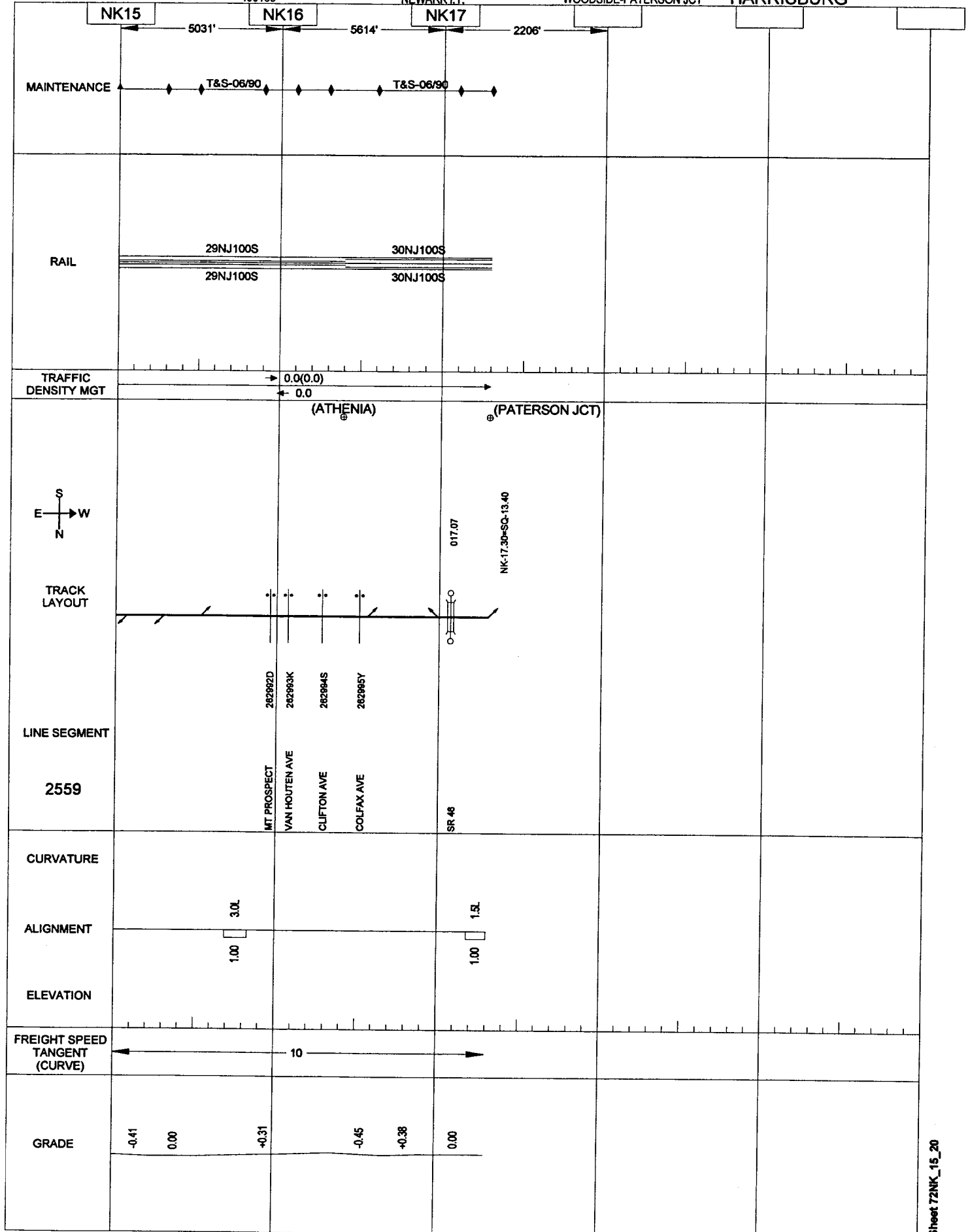
106166

276

NEWARK I.T.

WOODSIDE-PATERSON JCT

HARRISBURG



07/25/2007

106167

277  
CARLTON HILL SPUR

RUTHERFORD-CARLTON HILL

HARRISBURG

UQ9

UQ10

1056'

5280'

MAINTENANCE

RAIL

37NJ131S	36NJ131S	40NJ131S
37NJ131S	36NJ131S	40NJ131S

TRAFFIC  
DENSITY MGT

8309

S  
E → W  
N

TRACK  
LAYOUT(RUTHERFORD JCT)  $\oplus$ (CARLTON HILL)  $\oplus$ 

UQ-8.80=8.70-BC

006.21

MONTROSS AVE

LINE SEGMENT

2660

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.70

-0.87

-0.24



07/25/2007

106167

278

CARLTON HILL SPUR

RUTHERFORD-CARLTON HILL

HARRISBURG

UQ10

1056'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

8309

TRACK  
LAYOUT

263299X

LINE SEGMENT

2660

JACKSON AVE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.24

07/25/2007

106168

279

PASSAIC SPUR

PASSAIC-PATERSON

HARRISBURG

IA13

IA14

IA15

5280'

5280'

5280'

MAINTENANCE

RAIL

54RJ15S

40NJ112S

38NJ112S

40NJ112S

38NJ112S

TRAFFIC  
DENSITY MGT

8309

TRACK  
LAYOUT

LINE SEGMENT

2519

(CLIFTON)  
⊕(LAKEVIEW)  
⊕  
IA14

012.20-TCAB-19

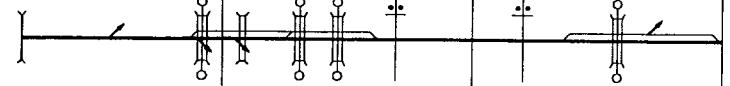
012.92

013.07-3TGB-117

013.31

013.46

014.56



WEASEL BROOK

PIAGET AVE

ST ROUTE 46

GARDEN STATE PKWY

CROOKS AVE

GOULD AVE

MADISON AVE

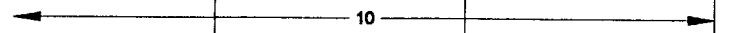
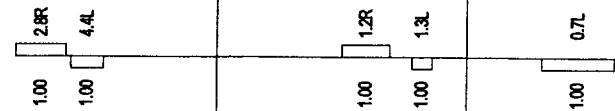
CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE



07/25/2007

106168

280

PASSAIC SPUR

PASSAIC-PATERSON

HARRISBURG

MAINTENANCE	IA15 1848'				
RAIL	38U12S 38U12S				
TRAFFIC DENSITY MGT					
8309  S E — W N  TRACK LAYOUT  LINE SEGMENT  2519	XV ⊕ (PATERSON)    TO NJT (SUSQ. ML.)				
CURVATURE  ALIGNMENT  ELEVATION					
FREIGHT SPEED TANGENT (CURVE)	10				
GRADE	+0.70				

07/25/2007

106169

281

HARRISON I.T. (EL)

N ARLINGTON-KEARNY JCT

HARRISBURG

HI2

HI3

HI4

HI5

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

8311

TRACK  
LAYOUT

LINE SEGMENT

2489

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

(N. ARLINGTON)  
HI1002.39-1CSB-15'  
002.40-1TGB-89'

002.87

003.46-1CSB-15'

003.74-1TGB-87'

003.92-1TGO-87 (70)

004.12-1TGB-94'

004.45  
004.50-1CSB-14'JC WATER PIPE  
BELLEVUE TURNPIKE

BNTLINE RR

SEWER

BERGEN AVE

CR NEWARK BR

HARRISON AVE

I-260  
FRANKS CREEK

1.0L

2.0R

1.00

1.00

2.0L

1.00

2.0L

1.00

10

-0.56

-0.98

-0.24

0.00

07/25/2007

106169

282

HARRISON I.T. (EL)

N ARLINGTON-KEARNY JCT

HARRISBURG

HI 5

2640'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

(KEARNY JCT)

8311

TRACK  
LAYOUT

TO NJT (MORSTWN ML)

LINE SEGMENT

2489

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

07/25/2007

106170

283  
ORANGE I.T.

FOREST HILL-GREAT NOTCH

HARRISBURG

90J

100J

2640'

5280'

MAINTENANCE

RAIL

41RJ110S 50RJ110S 43RJ110S 47RJ110S  
 41RJ110S 50RJ110S 43RJ110S 47RJ110S

TRAFFIC  
DENSITY MGT

0.0(0.0)  
 0.0

8311

S  
E → W  
N

TRACK  
LAYOUT

FOREST HILL

SILVER LAKE  
100J

BLOOMFIELD®

8.50-CJ=WD-8.45

008.00-SCSB-470'  
 008.11-2CSB-88'  
 008.21-1MAB-12'

LINE SEGMENT

2714

263317T 263318A 263321H 263322P 263323W 263324D  
 HIGHLAND AVE MANCHESTER PL BRANCH BREAK PARK  
 FRANKLIN AVE STORM SEWER FRANKLIN AVE BELMONT AVE GROVE ST  
 BLOOMFIELD AVE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

5.5L 3.0R  
 1.00 1.00

10

GRADE

+1.89 -0.39 -0.95 0.00 +1.09

07/25/2007

106170

284  
ORANGE I.T.

FOREST HILL-GREAT NOTCH

HARRISBURG

100J

5280'

MAINTENANCE

RAIL

\*RJ110S  
 \*NJ100S  
 \*RJ110S  
 \*NJ100S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)  
 ← 0.0

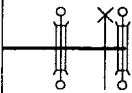
GREAT NOTCH

8311

S  
 E → W  
 N

010.24

010.49

TRACK  
LAYOUT

LINE SEGMENT

2714

ARLINGTON AVE  
 LAWRENCE ST  
 GARDEN STATE PKWY

263326S

CURVATURE

ALIGNMENT

1.0R  
 1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

← 10 →

GRADE

+1.09  
 -0.33

07/25/2007

106172

285

POMPTON I.T.

MOUNTAIN VIEW-POMPTON JCT

HARRISBURG

PQ22

5280'

5118'

MAINTENANCE

T&amp;S-06/90

RAIL

26NJ100S

26NJ100S

TRAFFIC  
DENSITY MGT

8311

TRACK  
LAYOUT(MOUNTAIN VIEW) <sup>⊕</sup>

021.88-1CSB-12

PO-21.40=WD-21.40

PO-21.90=TO-21.00  
SPRING ROAD

LINE SEGMENT

2582

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00



07/25/2007

106173

286  
TOTOWA SPUR

LITTLE FALLS-MOUNTAIN VIEW

HARRISBURG

TO18

TO19

TO20

5280'

5280'

MAINTENANCE

T&amp;S-06/85

RAIL

RJ131S  
52N132S

64RJ105S

RJ131S  
52N132S

64RJ105S

TRAFFIC  
DENSITY MGT

8311

TRACK  
LAYOUT

(LITTLE FALLS)

(TOTOWA)  
TO19

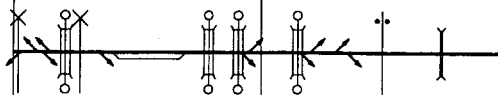
018.21

018.79

018.91

019.15

019.73-1DGO-44 (NA)

LACKAWANNA AVE  
266803TUNION BLVD  
PRIVATE  
266804AMINSINK RD  
I-80  
266785DRIVERVIEW RD  
266785DTAFT RD  
SINGAC BROOK

LINE SEGMENT

2636

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

1.5R  
1.001.0R  
1.00

10

0.00

-0.08

07/25/2007

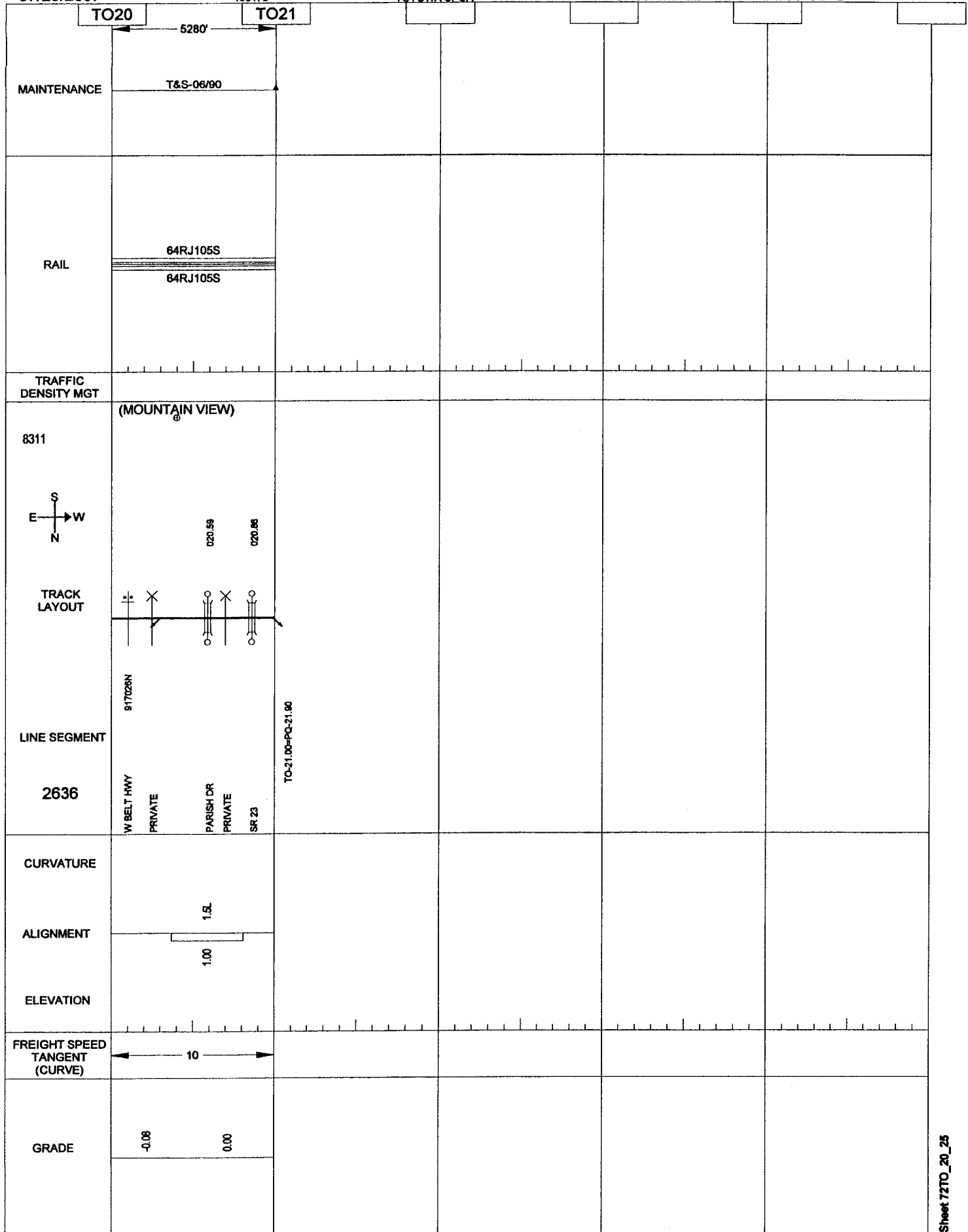
106173

287

TOTOWA SPUR

LITTLE FALLS-MOUNTAIN VIEW

HARRISBURG



07/25/2007

106192

288

WASHINGTON SEC.

HACKETTSTOWN-PHILLIPSBURG

HARRISBURG

WD58

WD59

WD60

5277'

5280'

5229'

5332'

5275'

MAINTENANCE

T&amp;S-06/90

RAIL

\*\*RJ105S

\*\*RJ105S

TRAFFIC  
DENSITY MGT→ 0.1(0.3)  
← 0.2TRACK  
LAYOUT

BILL

TO NJT

058.00-1CSB-35'  
058.11-1CSB-12'

058.20

058.34

058.61

059.18-1CSB-17'

059.42-1MAB-18'

059.64-1BSO-17'(86)

LINE SEGMENT

2232

GRAND AVE  
WATERWAY

ALLEN RD

DIRT RD

DIRT RD

266975B

AIRPORT RD  
CATTLE PASS

WATERWAY

CATTLE PASS  
HAZEN RD

266972F

CURVATURE

ALIGNMENT

ELEVATION

1.5R  
1.000.3L  
1.000.3L  
1.000.1R  
1.000.1R  
1.000.2L  
1.00FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

0.00

-0.71

+0.89

07/25/2007

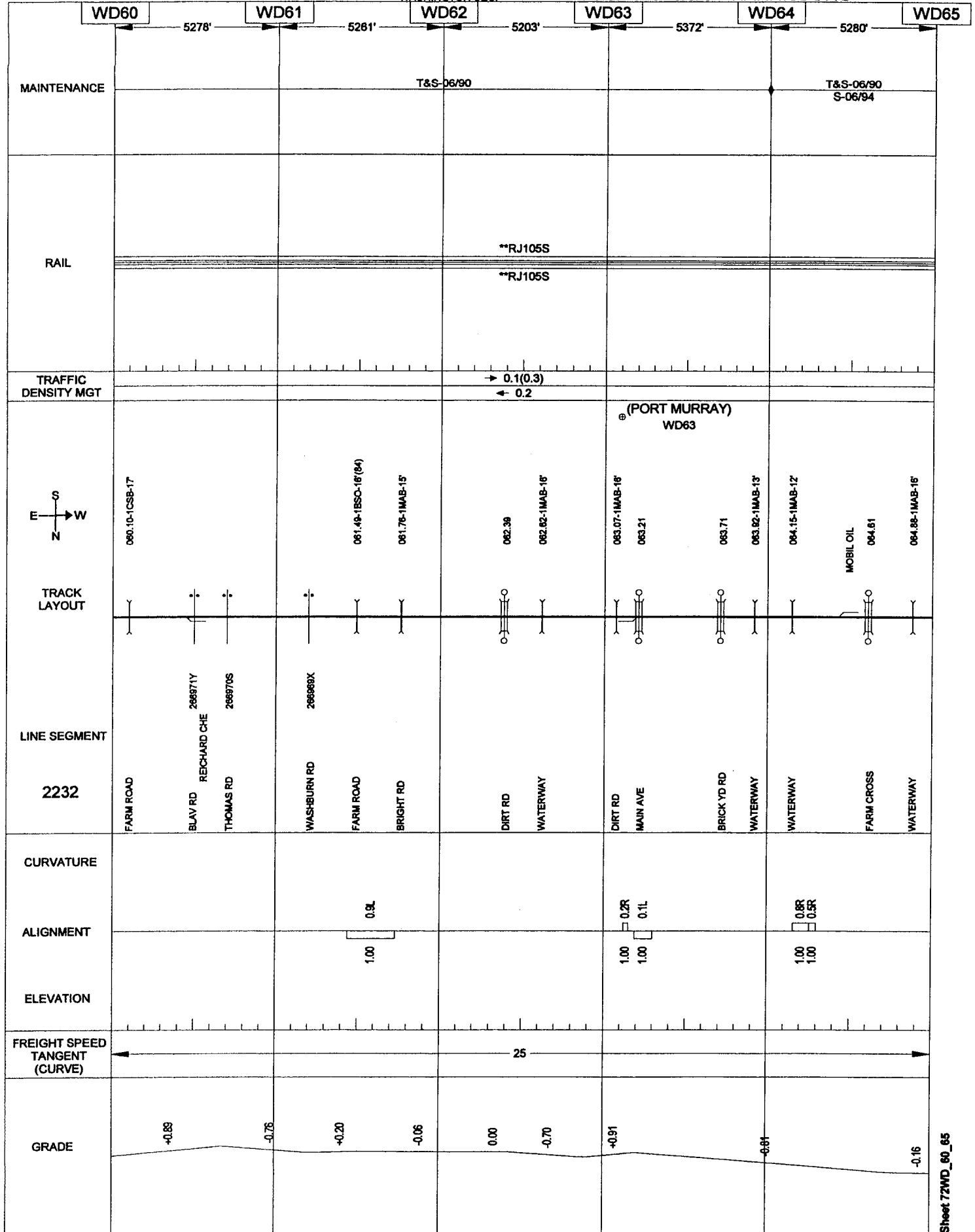
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289

WASHINGTON SEC.

HACKETTSTOWN-PHILLIPSBURG

HARRISBURG



07/25/2007

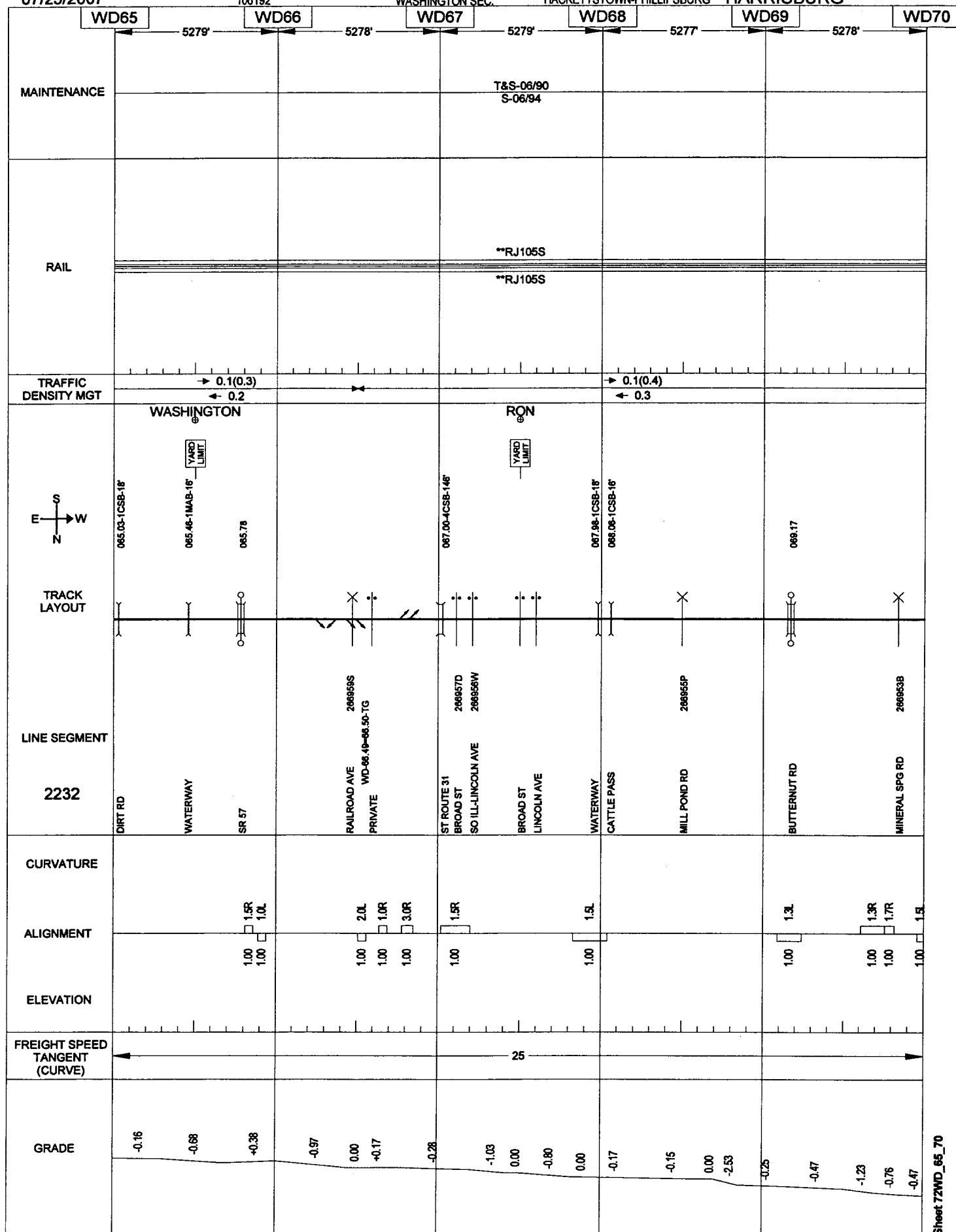
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290

WASHINGTON SEC.

HACKETTSTOWN-PHILLIPSBURG

HARRISBURG



07/25/2007

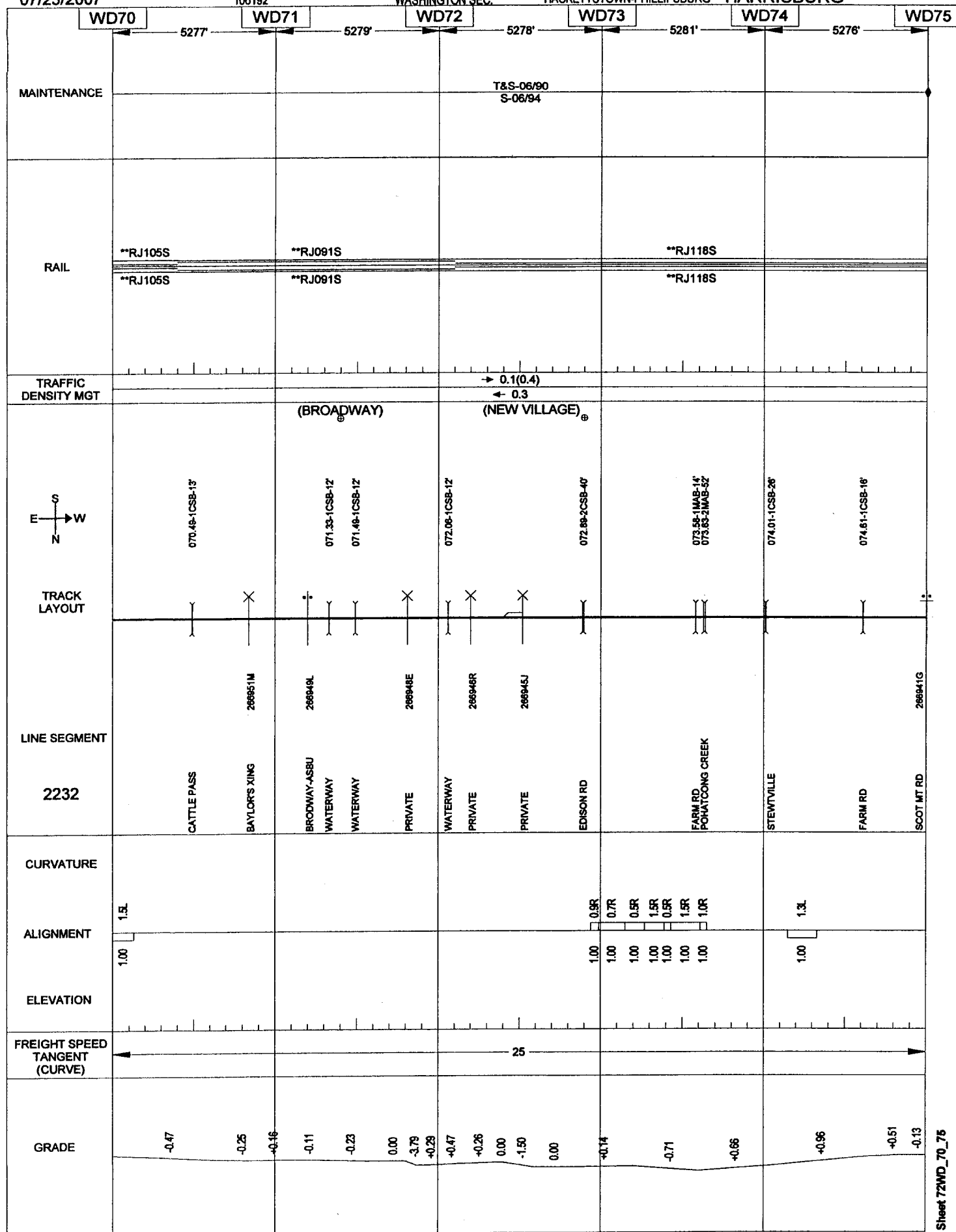
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291

WASHINGTON SEC.

HACKETTSTOWN-PHILLIPSBURG

HARRISBURG



07/25/2007

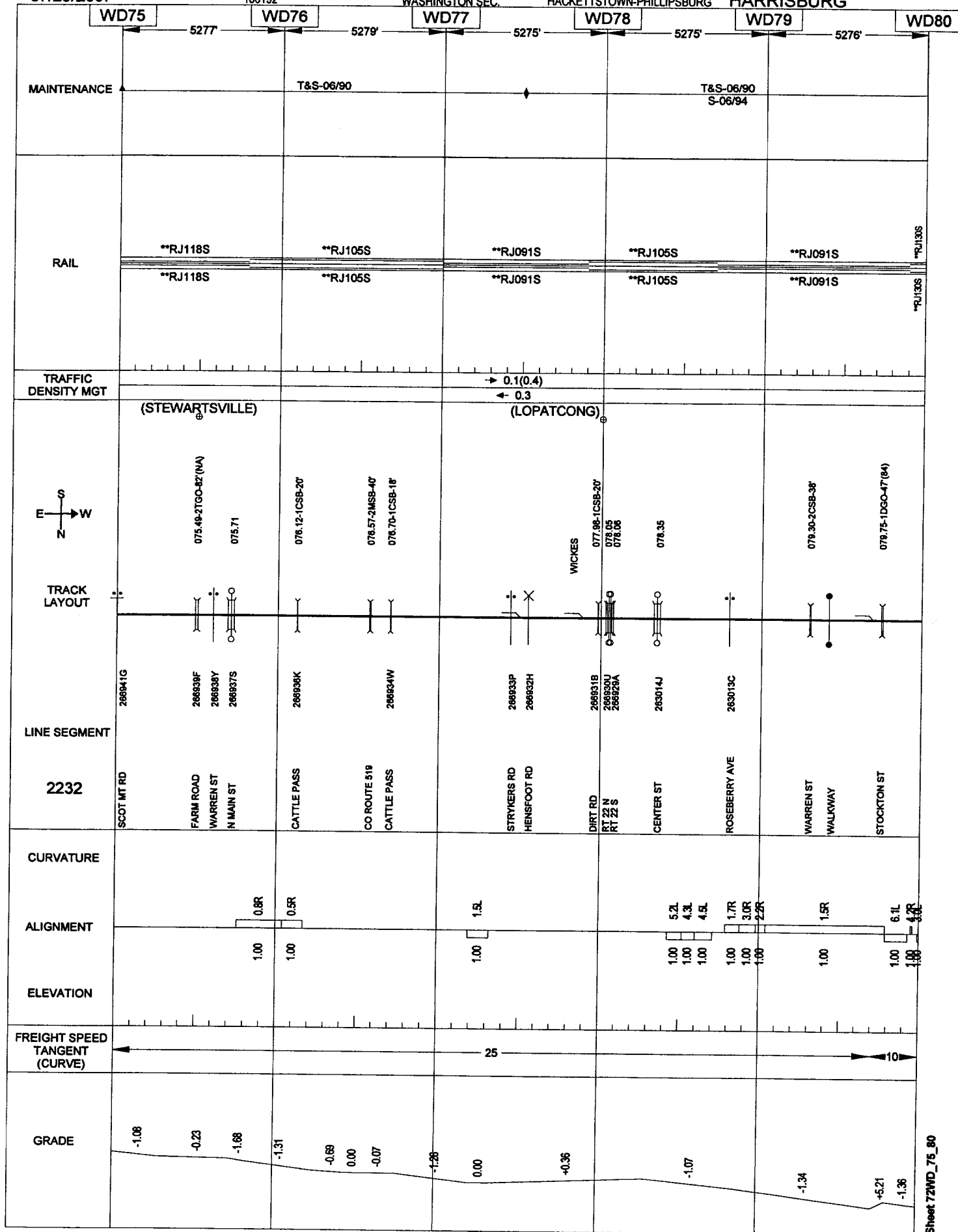
106192

292

WASHINGTON SEC.

HACKETTSTOWN-PHILLIPSBURG

HARRISBURG



07/25/2007

106192

293

WASHINGTON SEC.

HACKETTSTOWN-PHILLIPSBUR

HARRISBURG

WD80

1586'

MAINTENANCE

RAIL

\*\*RJ130S

\*\*RJ130S

TRAFFIC  
DENSITY MGT

0.1(0.4)

0.3

CP PHILLIPSBURG

8451

S  
E → W  
NTRACK  
LAYOUT080.23  
WD-80.30-LE-78.28

LINE SEGMENT

2232

S MAIN ST

CURVATURE

ALIGNMENT

3.0L  
1.00  
9.5L  
1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-1.36  
0.00



07/25/2007

106194

294  
OLD ROAD I.T.  
67TG

WASHINGTON-END

HARRISBURG

2640' 3168'

MAINTENANCE

RAIL

\*\*RJ105S  
\*\*RJ105S

TRAFFIC  
DENSITY MGT

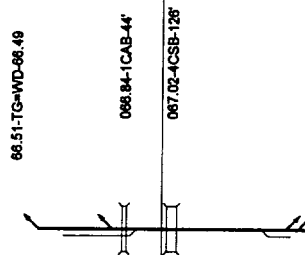
0.0(0.0)  
0.0

(WASHINGTON)

8326



TRACK  
LAYOUT



LINE SEGMENT

2810

ST ROUTE 57

ST ROUTE 31

CURVATURE

ALIGNMENT



ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.43 +1.07 -0.19

SR215

#2  
CE  
#1

#2

#1

8328

#2  
#1

2093

**#2**

### ELEVATION

40  
40**GRADE**

48NJ132S	47NJ131S	53NJ132S	48NJ132S	88RW140S
48NJ132S	47NJ131S	53NJ132S	48NJ132S	88RW140S
48NJ131S 48NJ132S	04RWF132S	53NJ132S	88RW140S	63RJ132S
48NJ131S	53NJ132S	88RW140S	63RJ132S	
48NJ131S	04RWF132S	53NJ132S	88RW140S	63RJ132S

→ 8.3(10.4#2)	→ 8.4(10.4#2)
← 12.4(10.4#1)	← 12.4(10.4#1)

CP BD ⊕ ⊕ LIBERTY ST.	BINGHAMTON ⊕ SR214 ⊕
--------------------------------	----------------------------

Figure 1 consists of four subplots arranged in a 2x2 grid. The top row shows the dependence of the critical temperature  $T_c$  (K) on the concentration of the second component (0.5, 1.0, 2.0) for different values of the parameter  $\alpha$  (0.5, 1.0, 2.0). The bottom row shows the dependence of  $T_c$  (K) on the concentration of the second component (0.5, 1.0, 2.0) for different values of the parameter  $\beta$  (0.5, 1.0, 2.0). The plots show that  $T_c$  increases with concentration and decreases with increasing  $\alpha$  and  $\beta$ .

+0.24	+0.28	-0.11
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07/25/2007

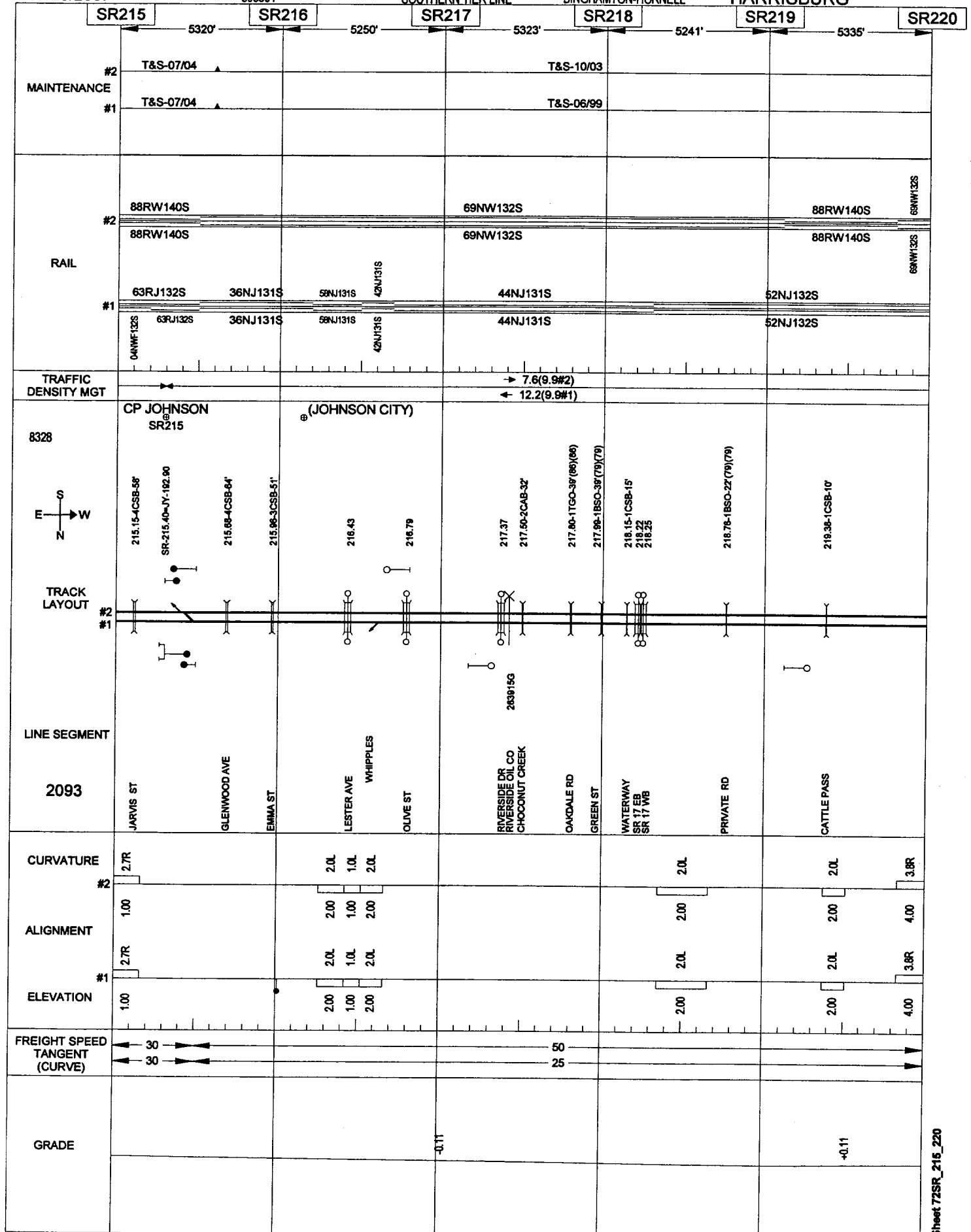
306301

296

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

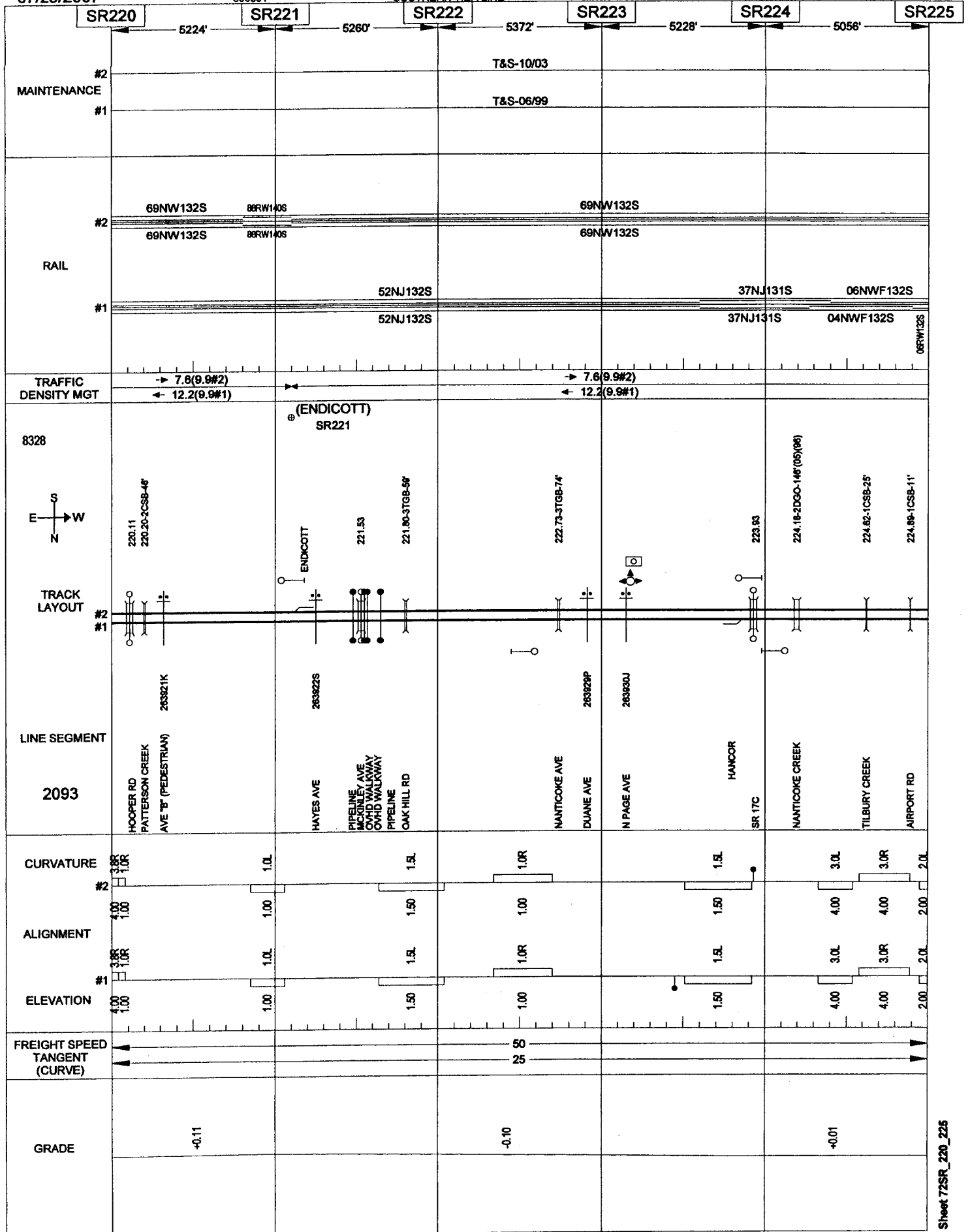
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297

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

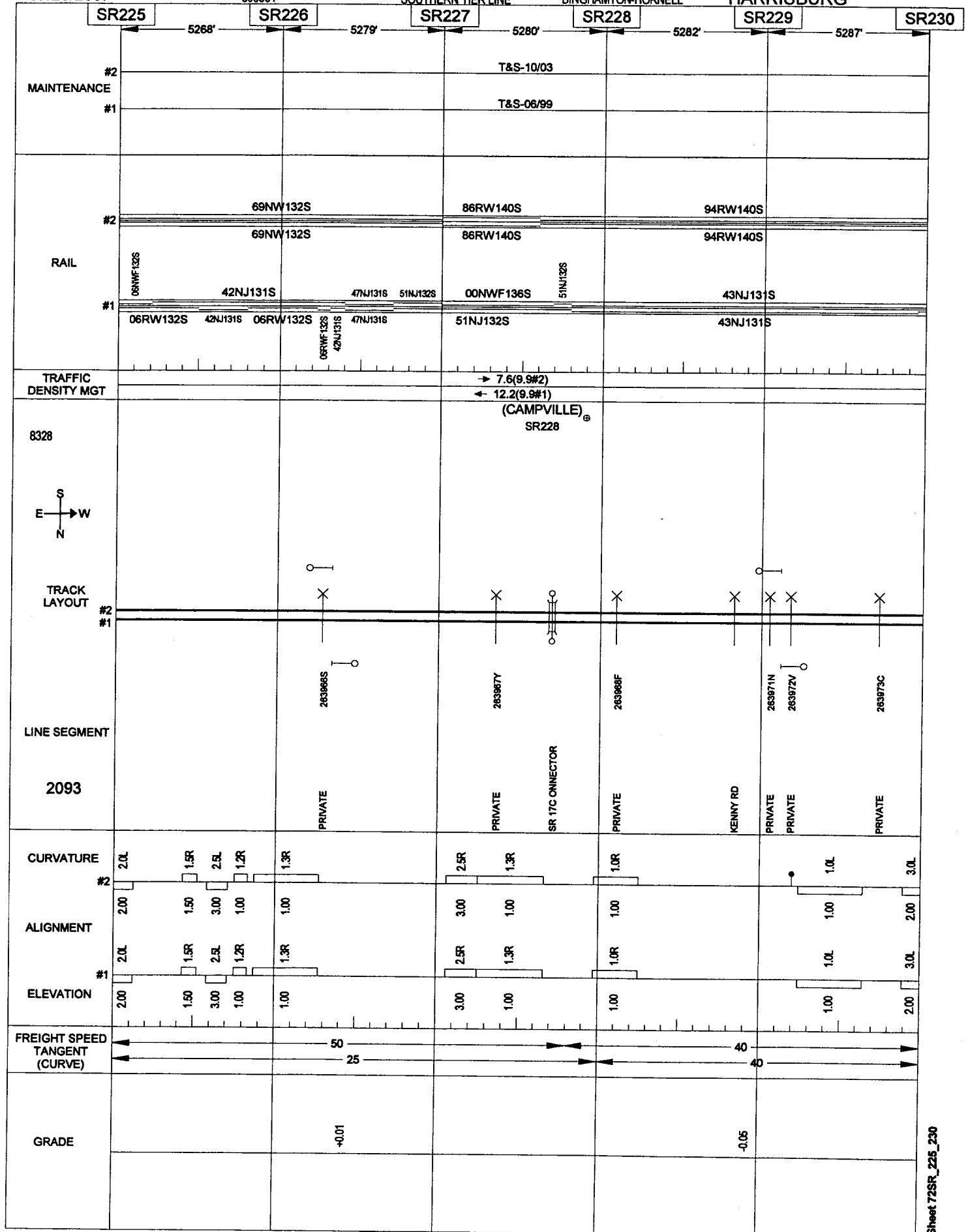
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298

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG





07/25/2007

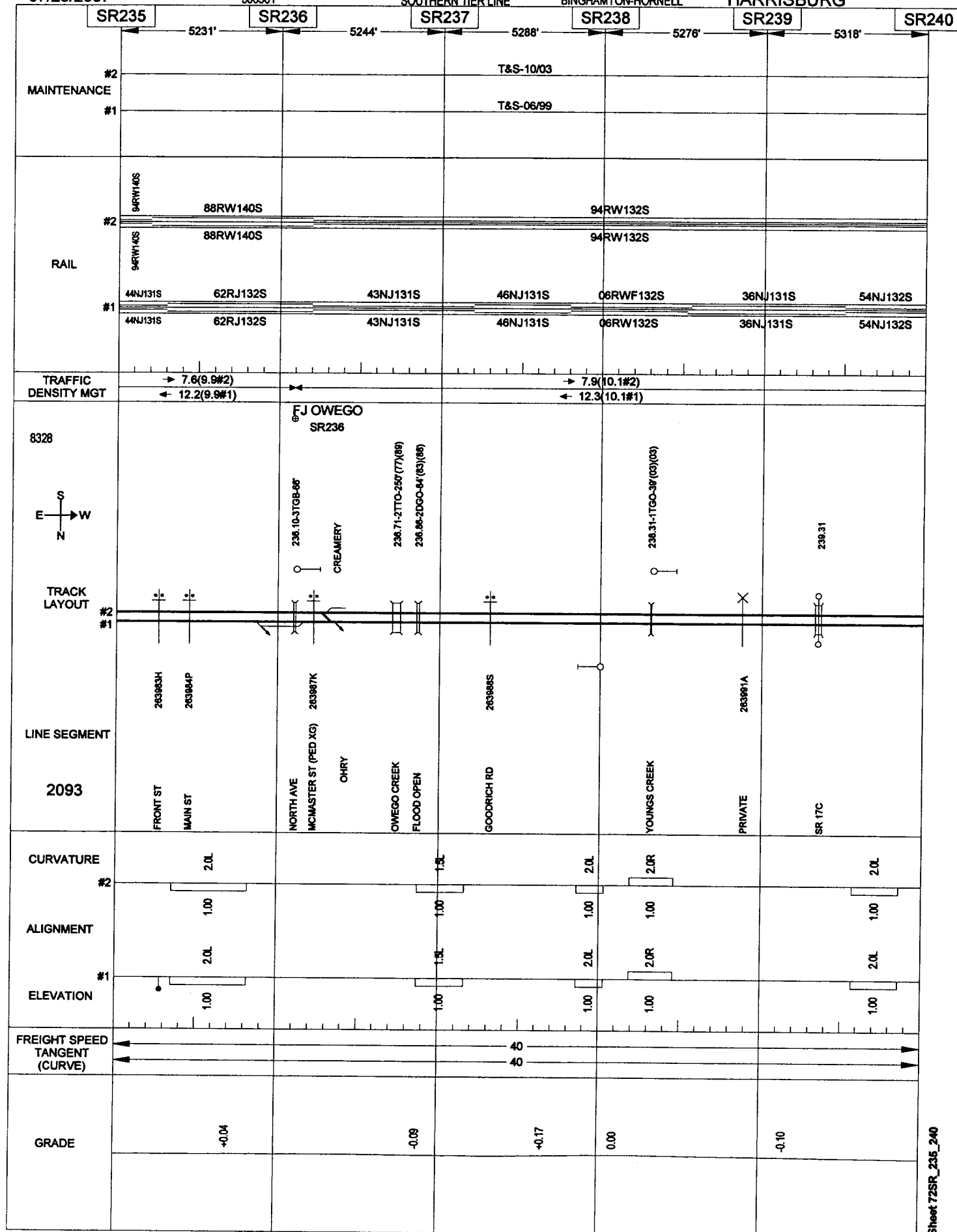
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300

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



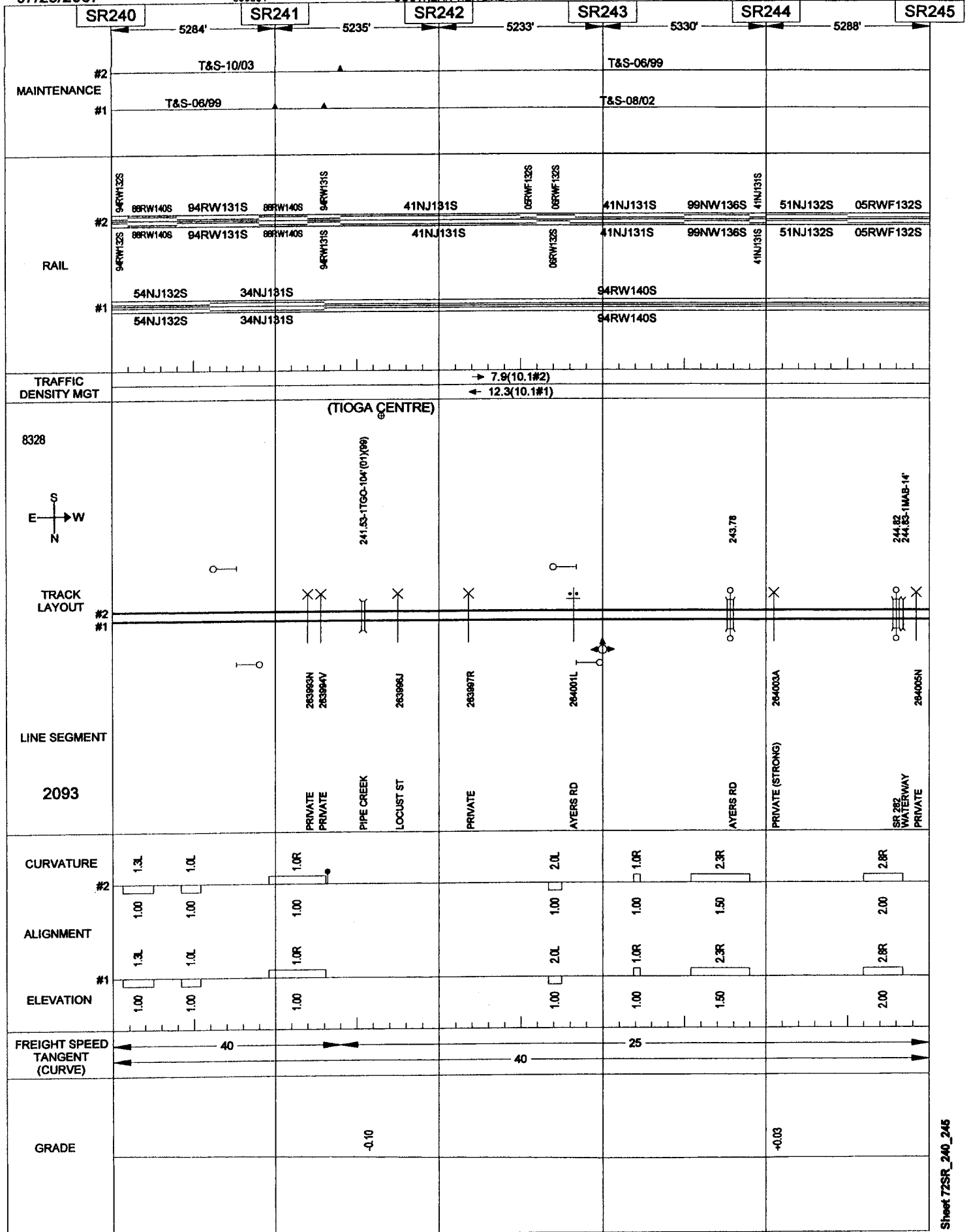
07/25/2007

306301

301  
SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG





07/25/2007

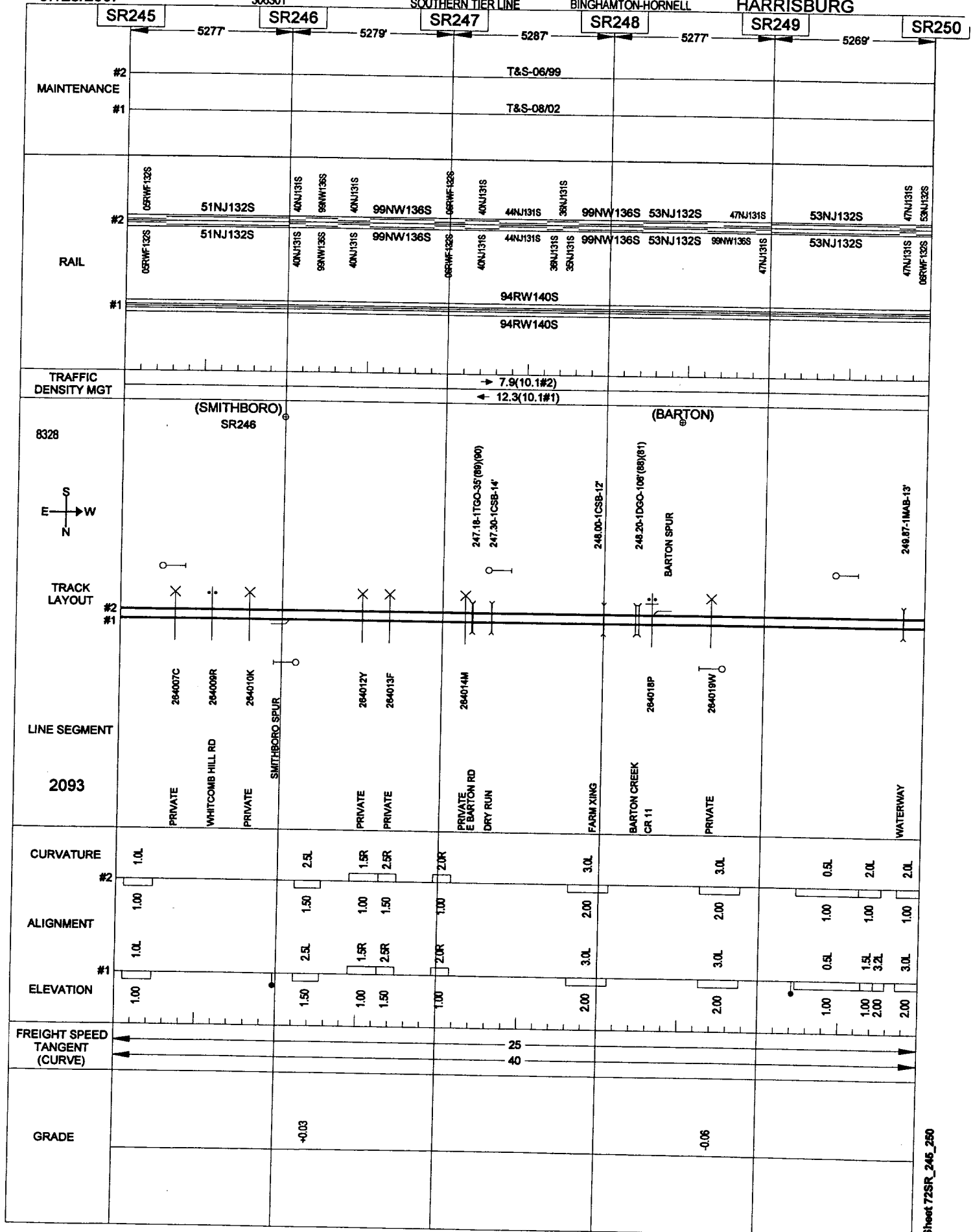
306301

302

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

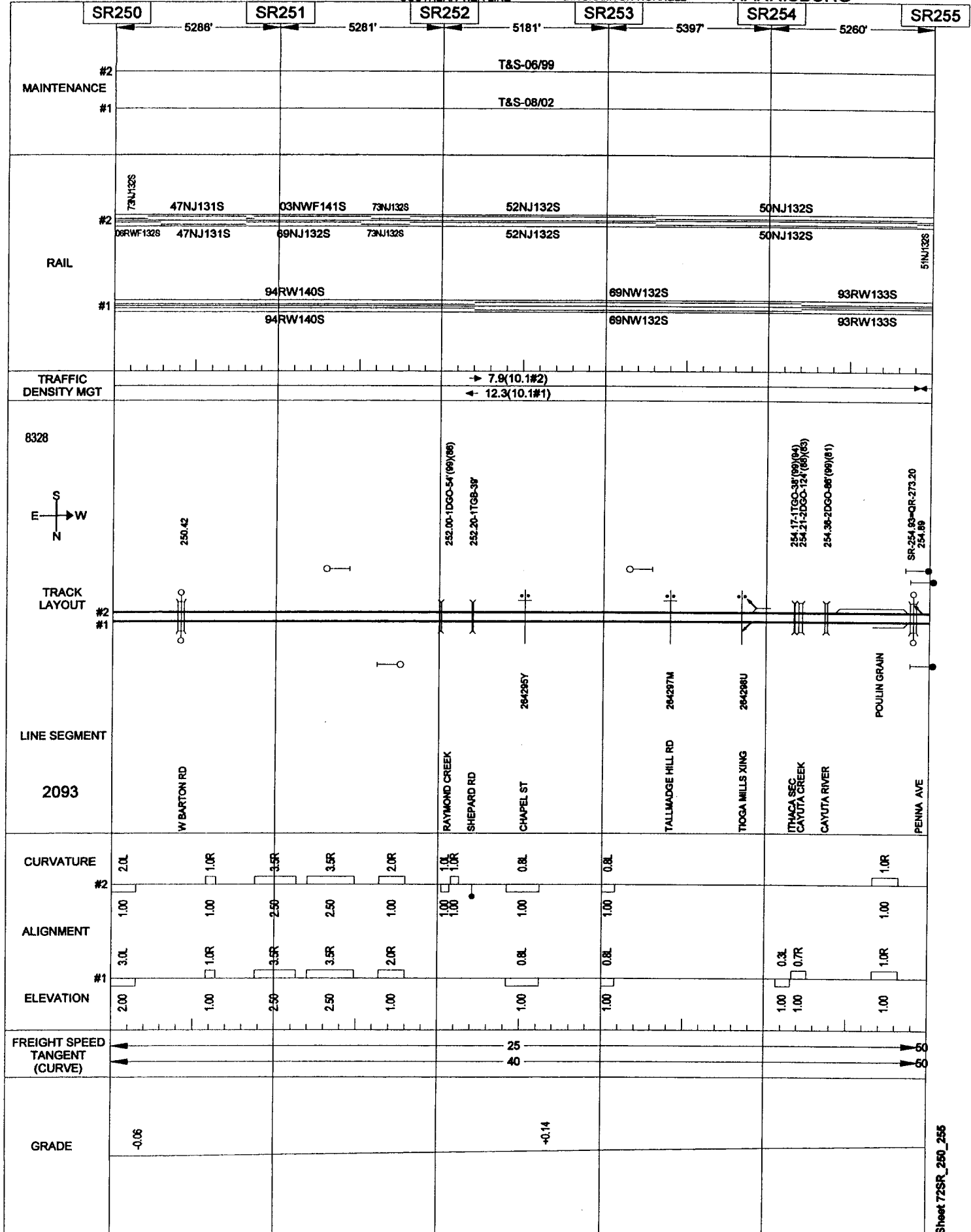
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303

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

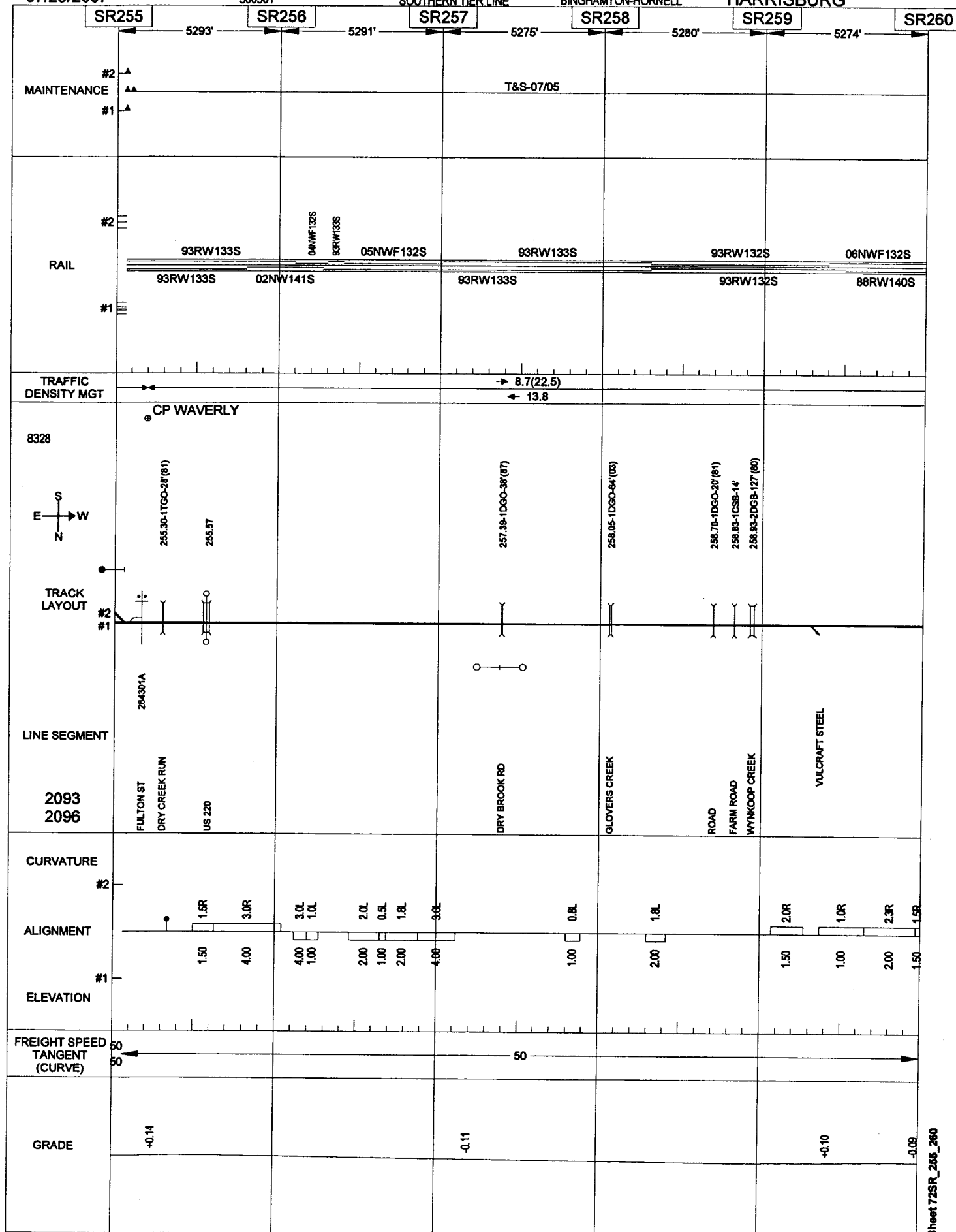
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304

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



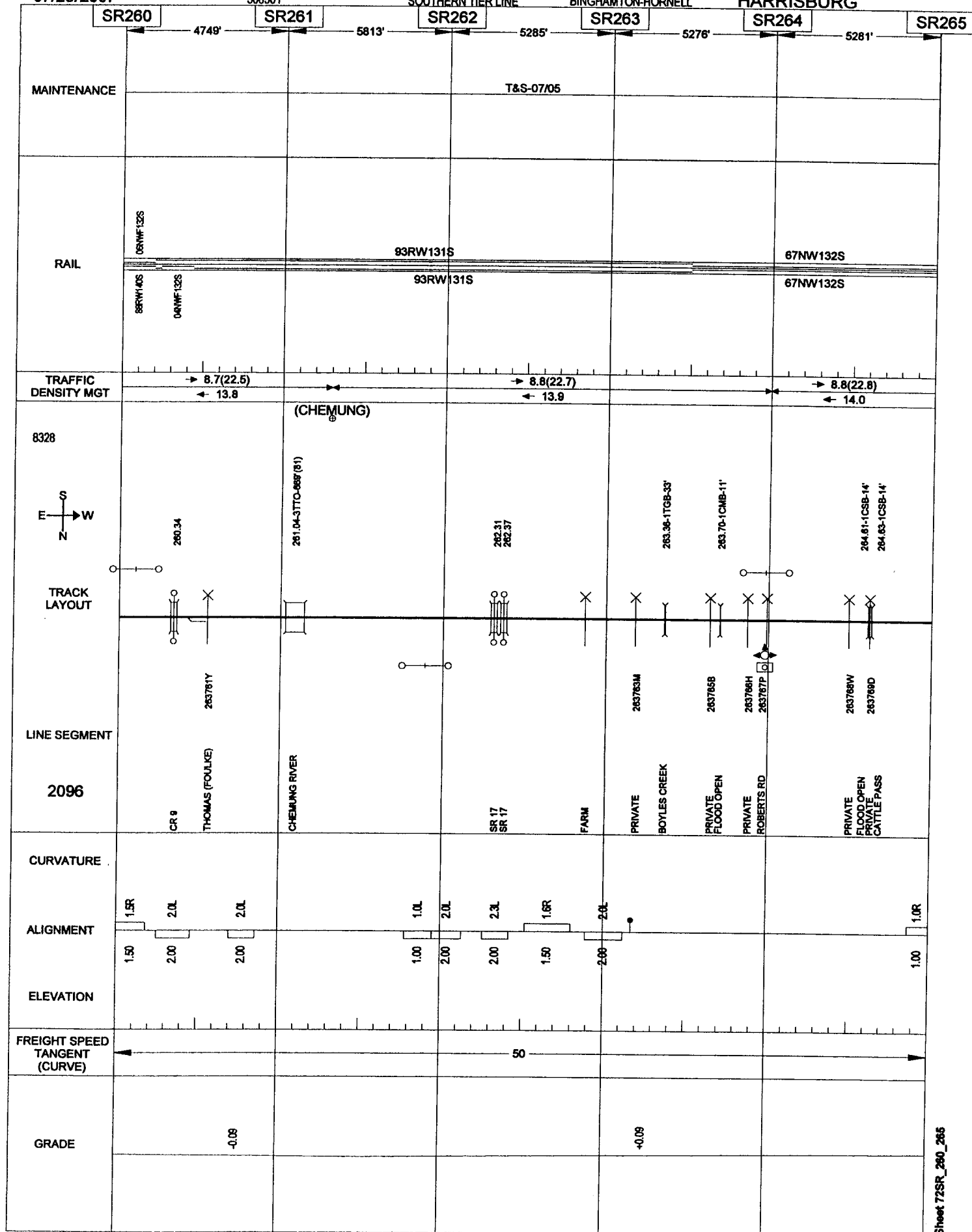
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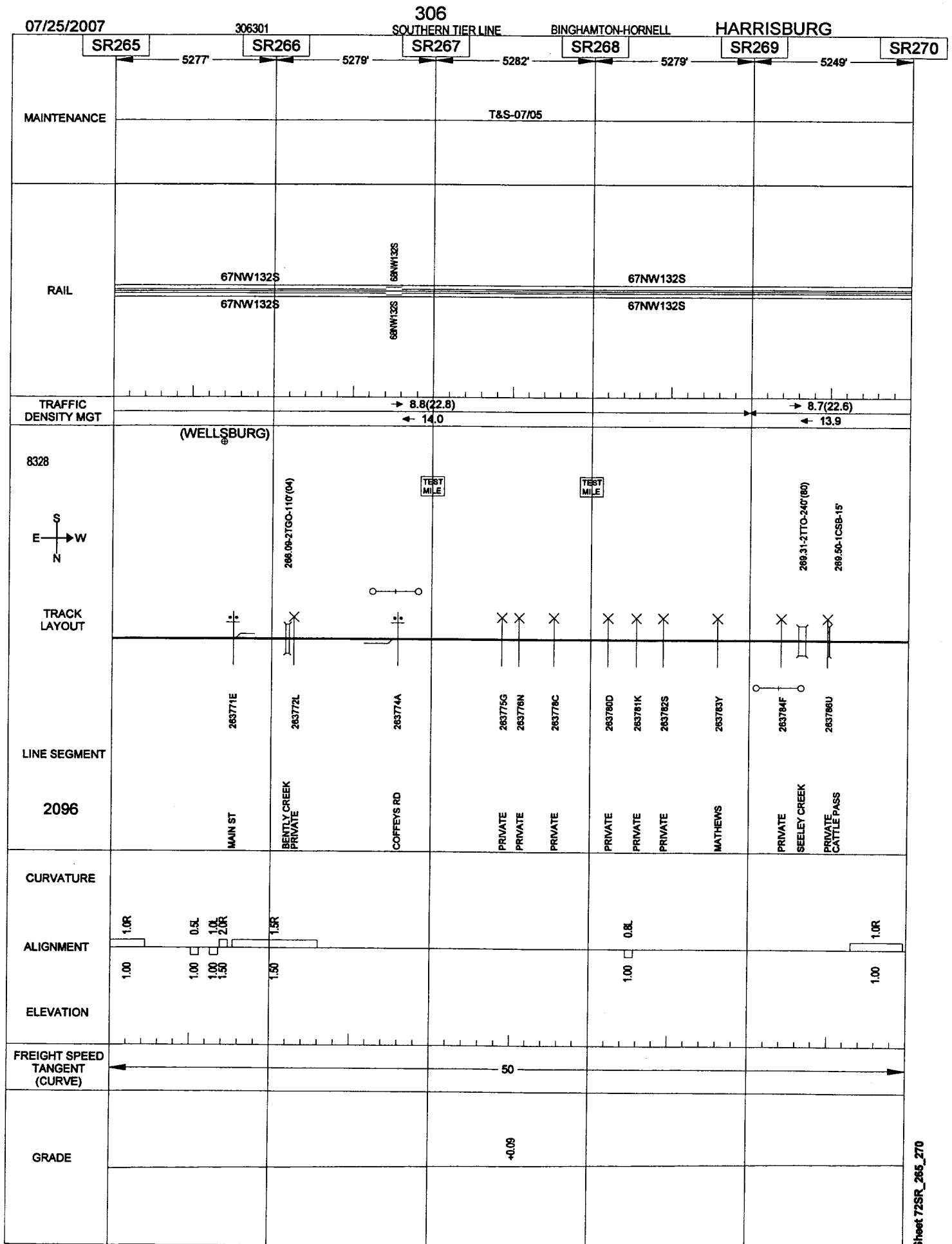
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305  
SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG





07/25/2007

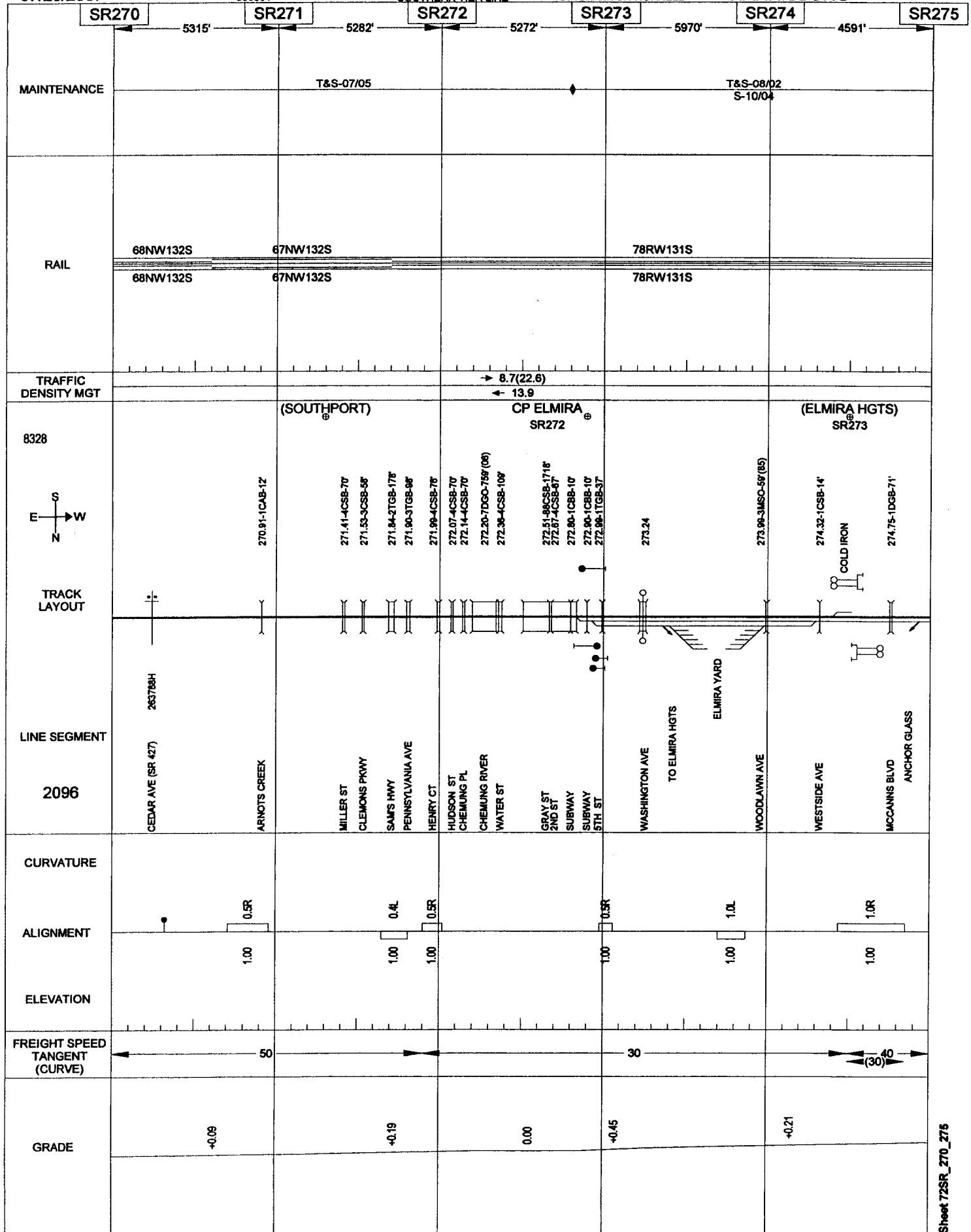
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307

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



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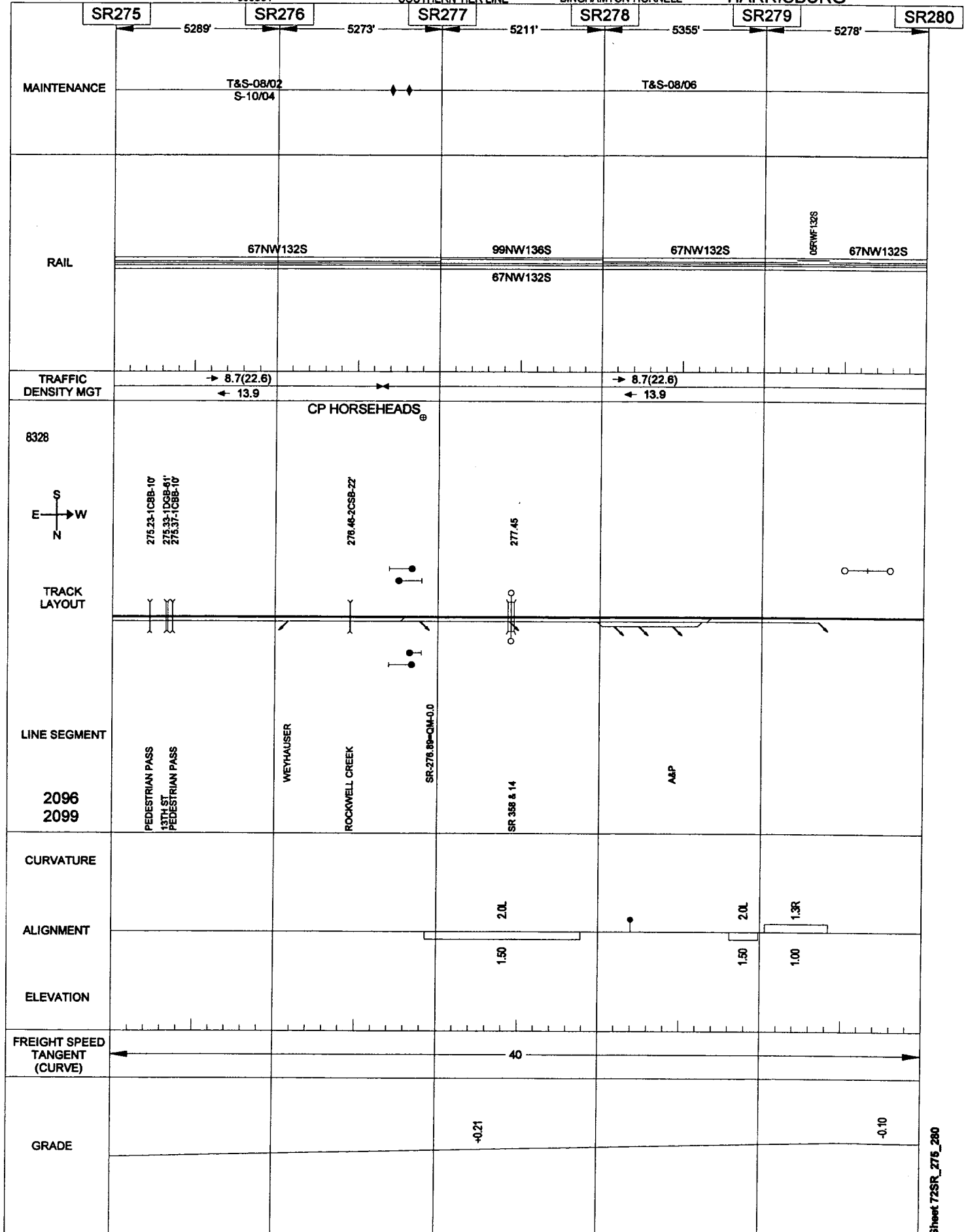
306301

308

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

306301

309

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG

SR280

SR281

SR282

SR283

SR284

SR285

5296'

5265'

5292'

5282'

5276'

MAINTENANCE

T&amp;S-08/06

RAIL

67NW132S  
CONNF-13S

67NW132S

67NW132S

TRAFFIC  
DENSITY MGT→ 8.7(22.6)  
← 13.9

8328

TRACK  
LAYOUT

280.25

281.10-1TGO-65' (05)

281.50

282.33-1TGO-35' (00)  
282.37-1TGO-35' (00)

285947U

282.83-1TGO-55' (05)

(BIG FLATS)  
SR283

283.11-1TGO-65' (05)

283.43-1TGO-42' (05)

284.17-1CSB-11'

LINE SEGMENT

2099

BIG FLATS RD

SINGSING CREEK

KAHLER RD

BIG FLATS CREEK  
WINTERS RD

HAMMOND ST

CANAL ST

OLCOTT RD

AGWAY  
FARM XING

PRIVATE

CATTLE PASS  
PRIVATE

PRIVATE

PRIVATE

CURVATURE

ALIGNMENT

ELEVATION

3.0L

1.0R

3.50

1.00

1.0L

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

40

GRADE

-0.10

0.00

-0.13



07/25/2007

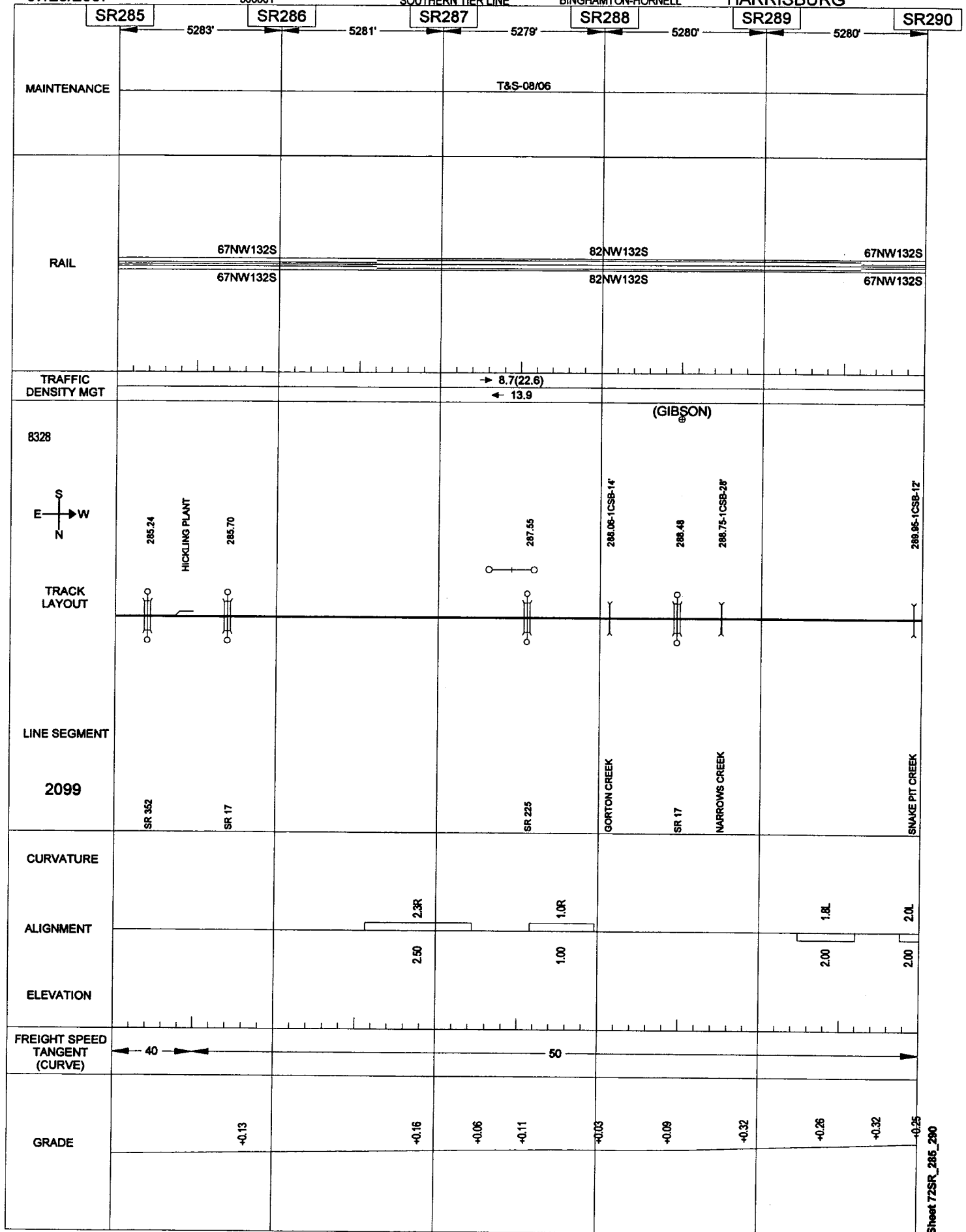
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310

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

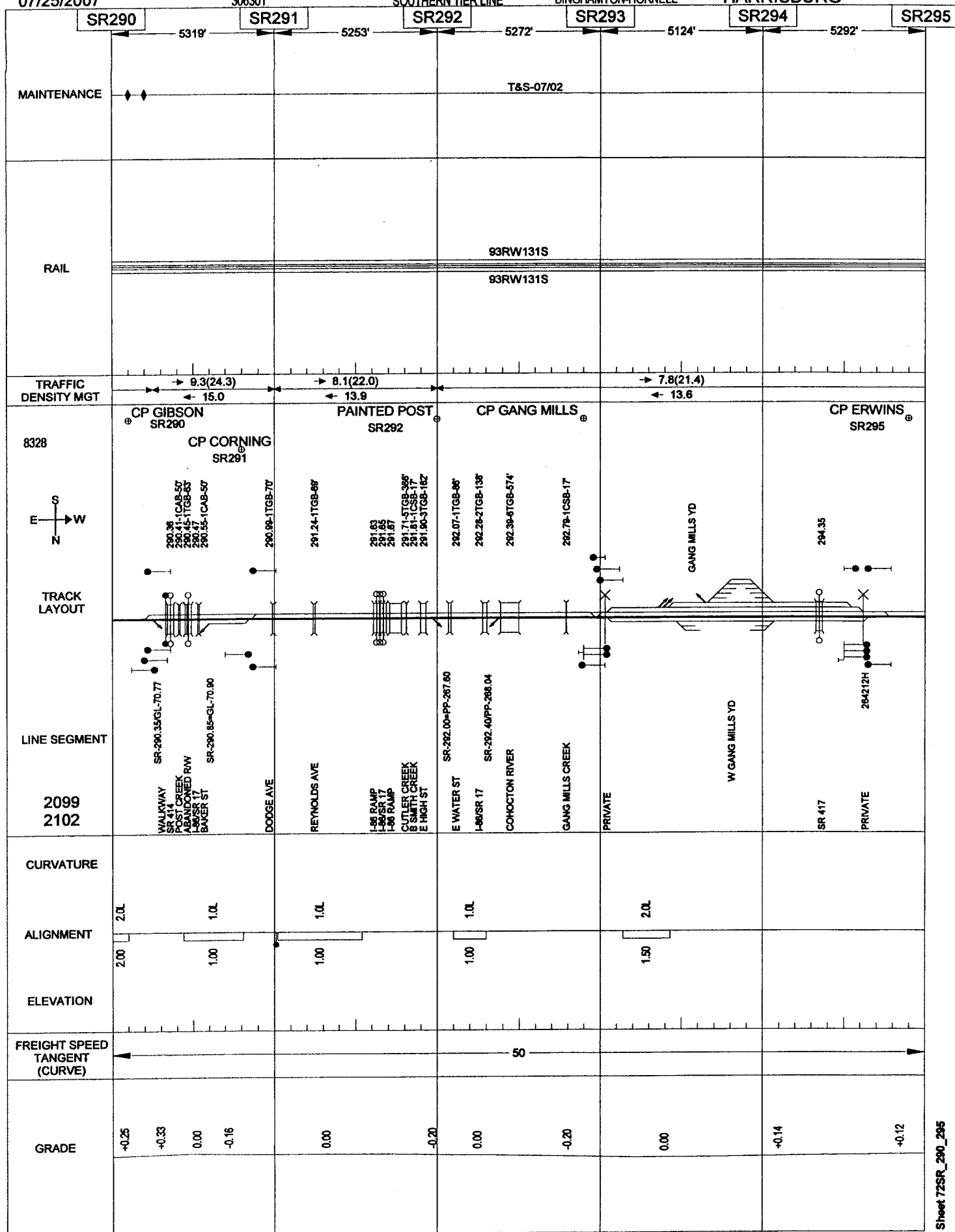
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311

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

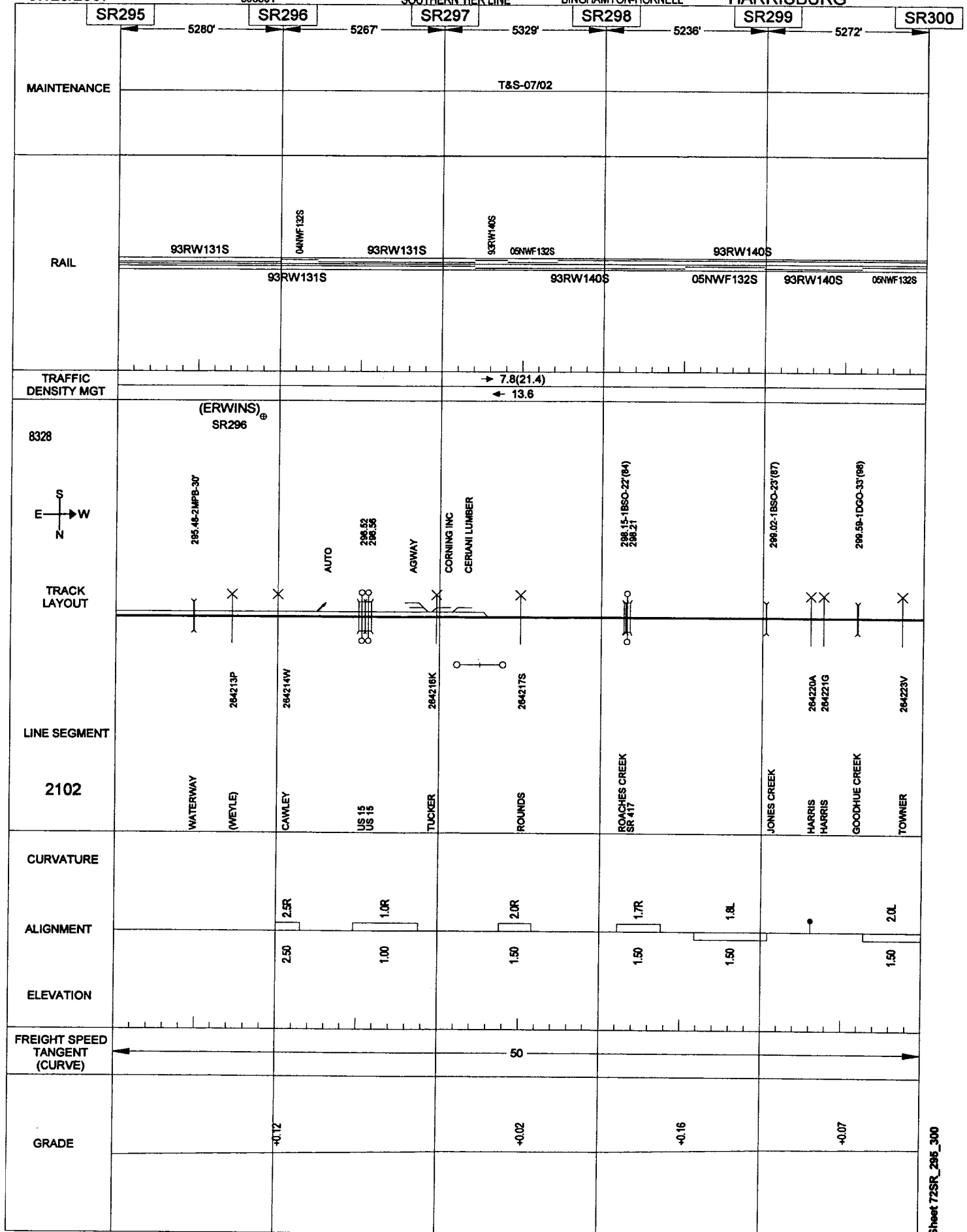
306301

312

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

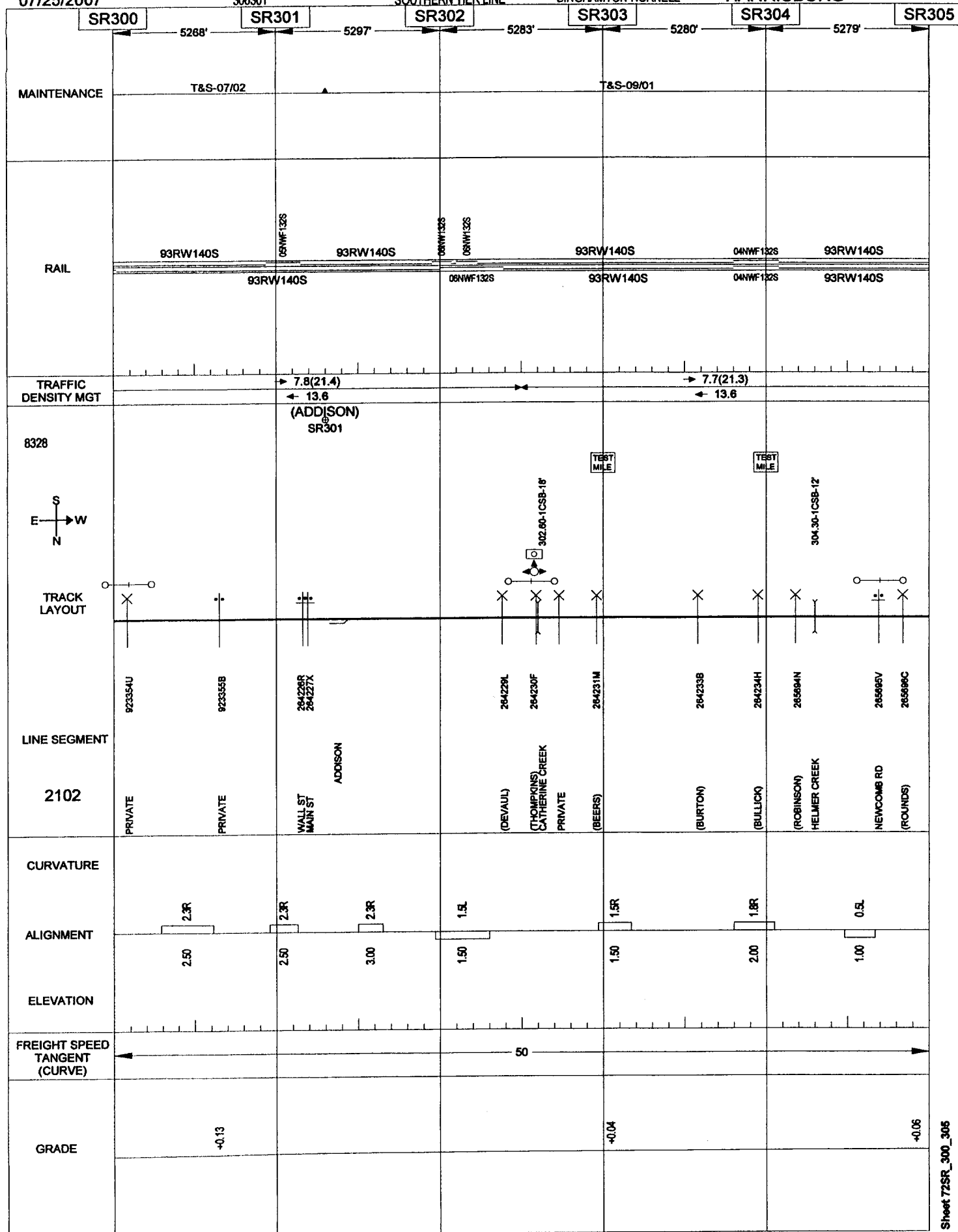
306301

313

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

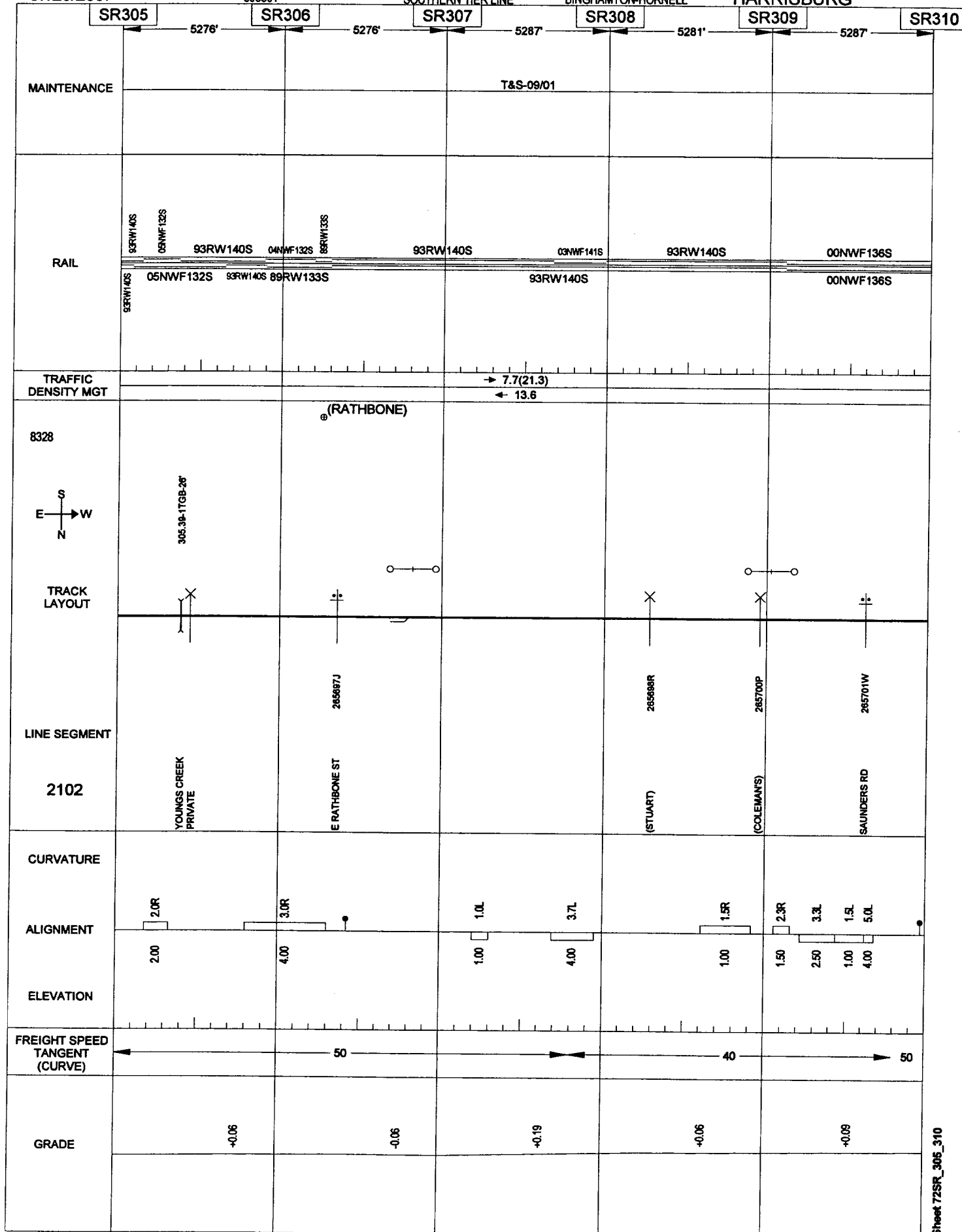
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314

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

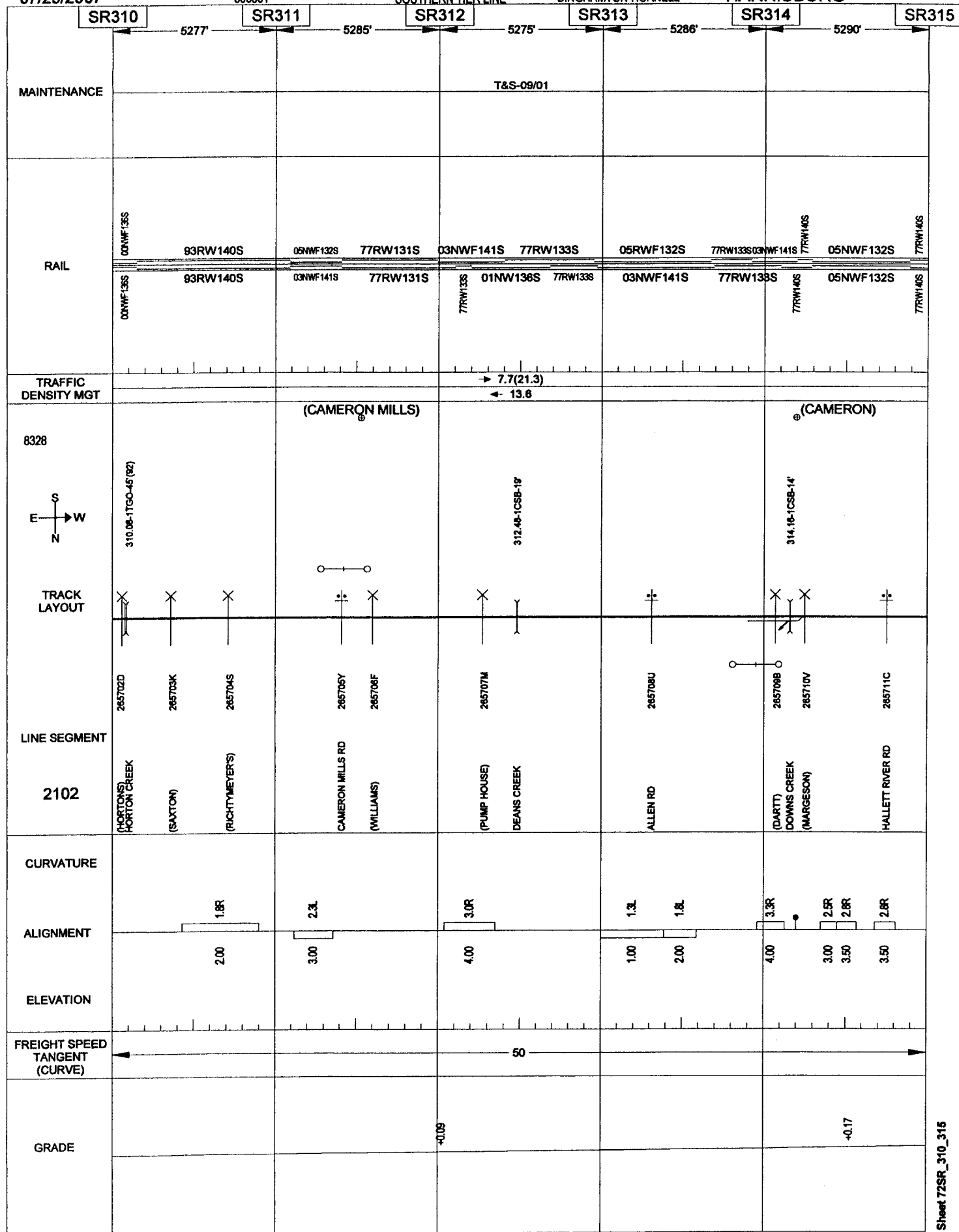
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315

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

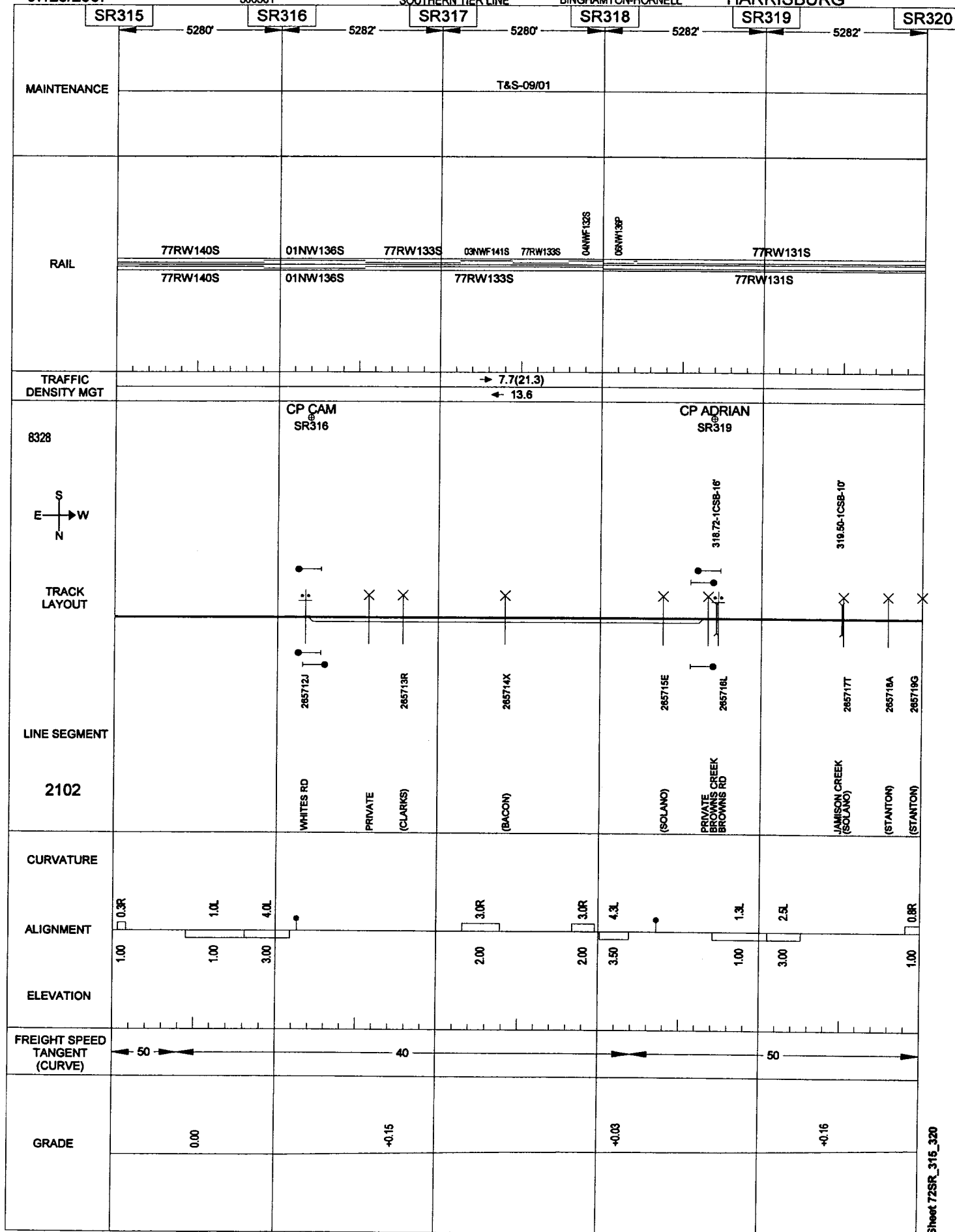
306301

316

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



07/25/2007

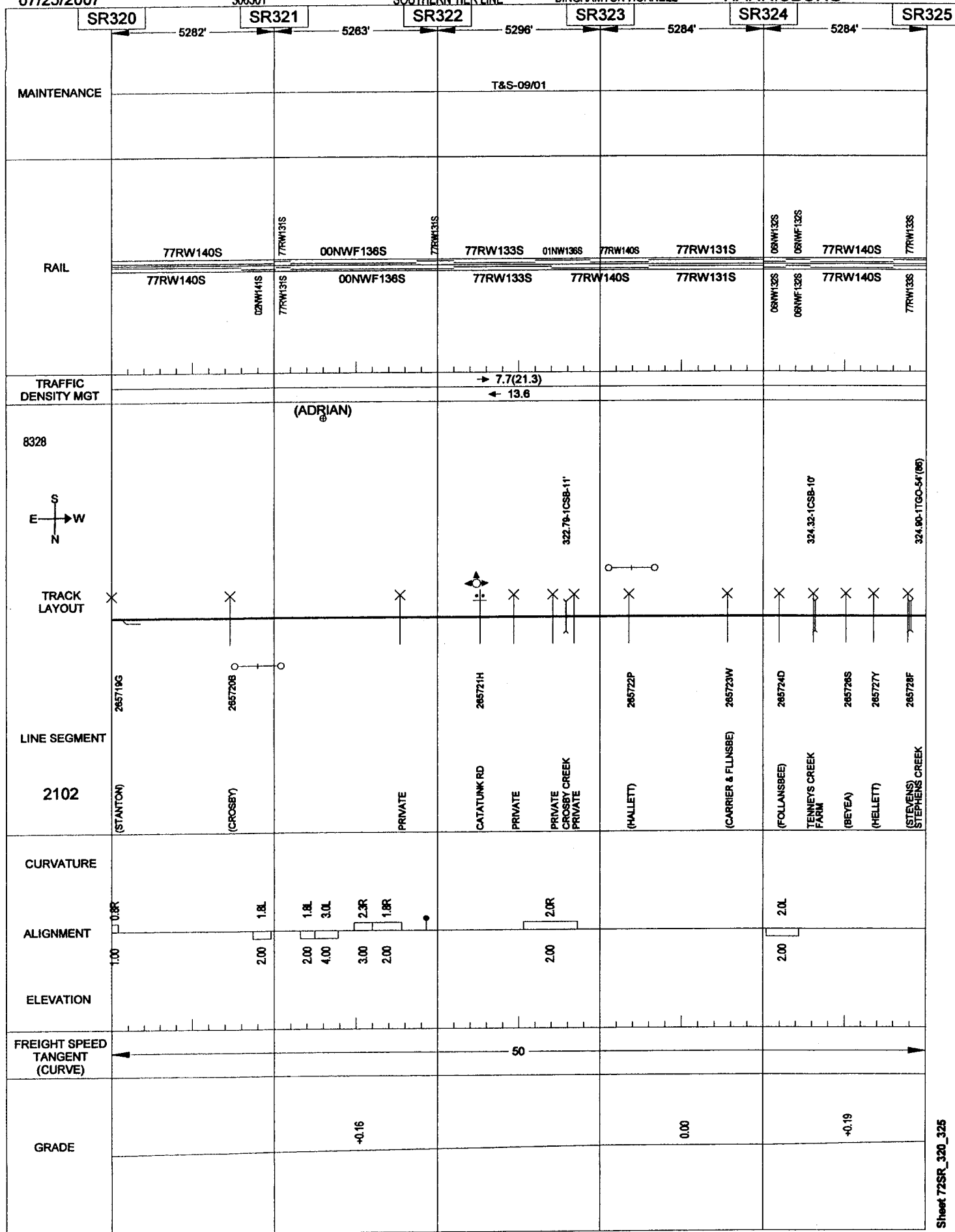
306301

317

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG





07/25/2007

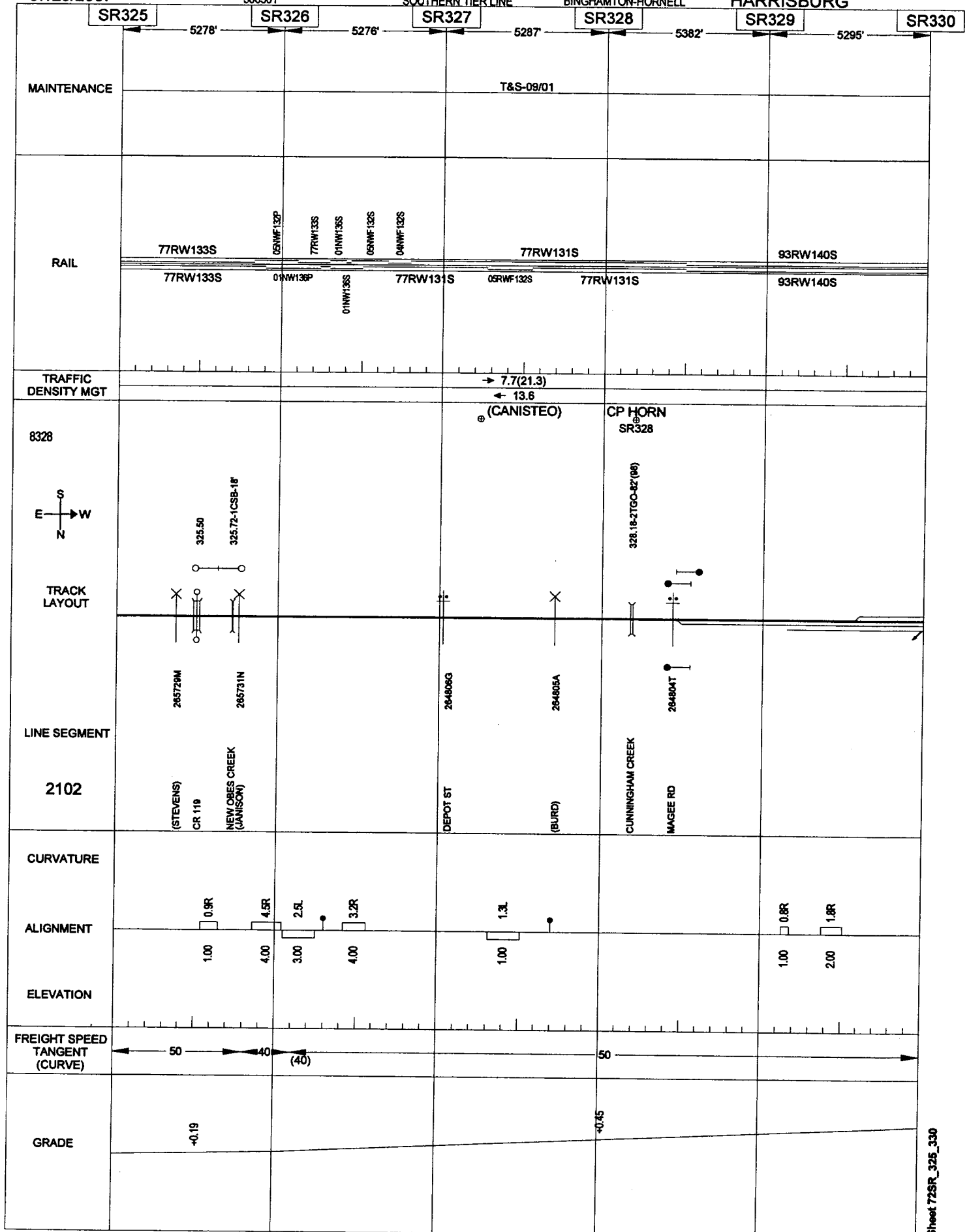
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318

SOUTHERN TIER LINE

BINGHAMTON-HORNELL

HARRISBURG



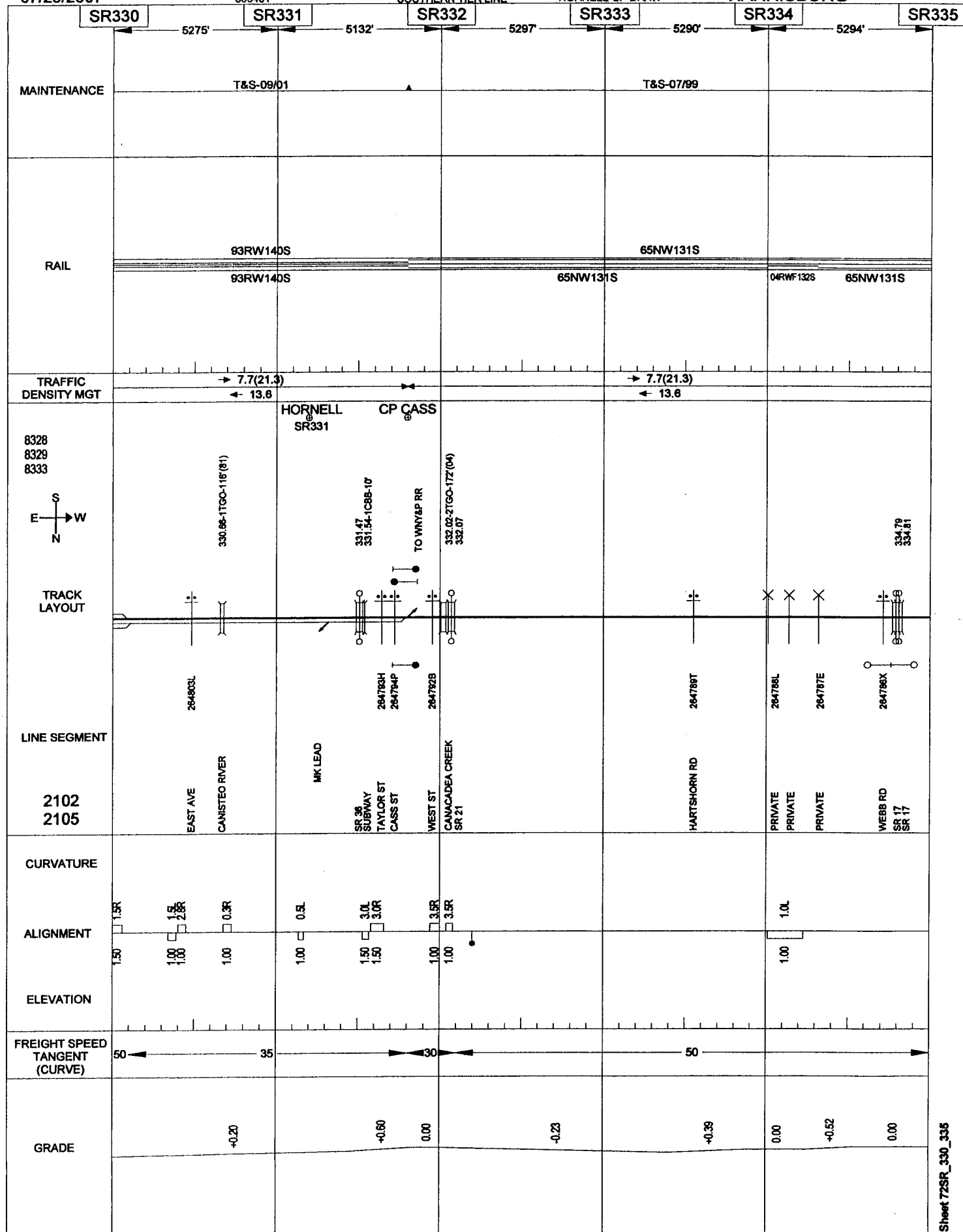
07/25/2007

306401

319  
SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



07/25/2007

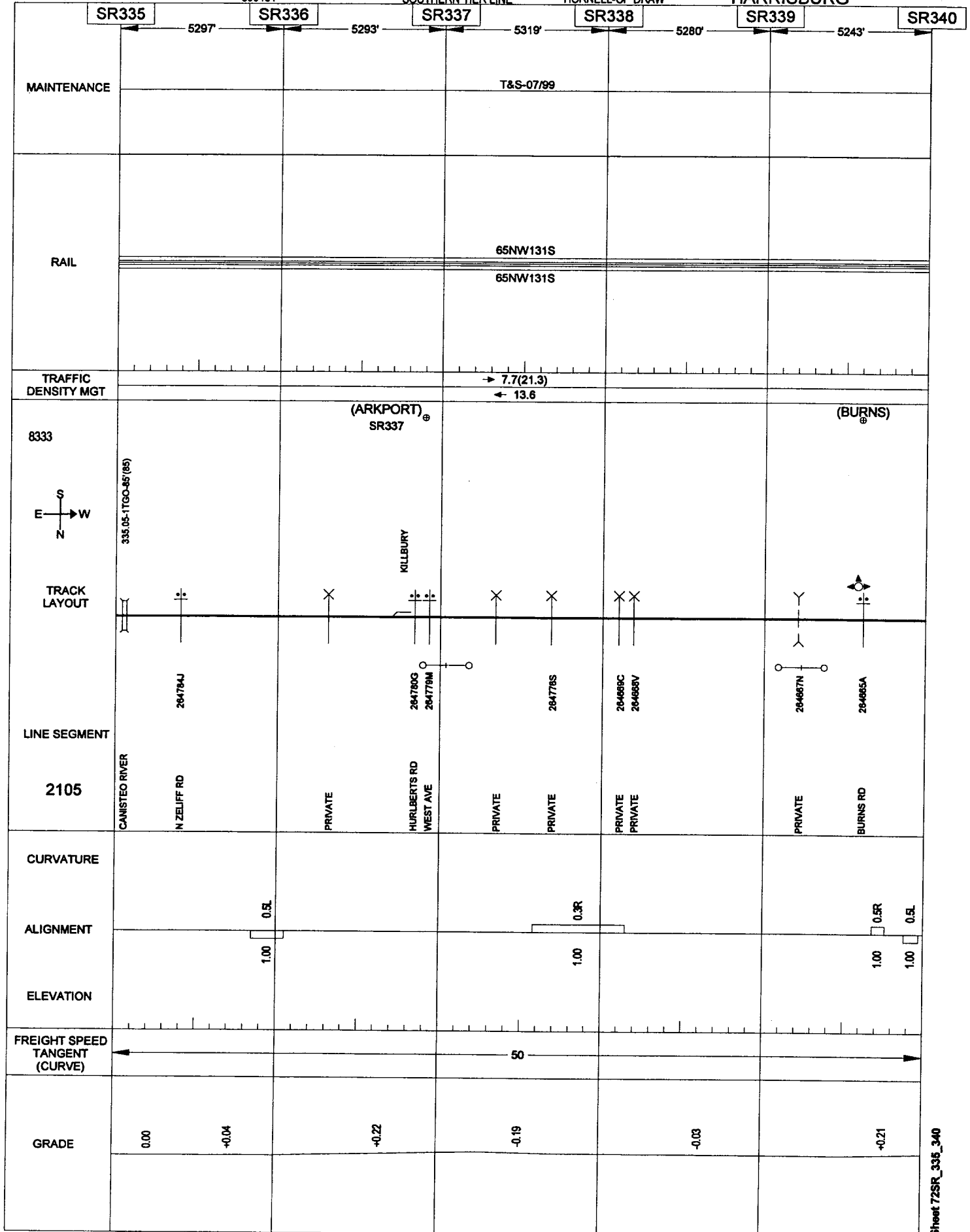
306401

320

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



SR345

SR345

— 529 —

**T&S-09/00**

05RWF132S

65NW131S

→ 7.7(21.3)  
← 13.6

(CANASERAGA)

340.83-1CAB-20

**.45**

22

343 48-1TGO-106 (04)

343 88-1760-37 (0A)

## TRACK LAYOUT

MORAINÉ RD

ARKPORT RD

W MILLER RD 284880R

**PRIVATE  
CANASERAGA CREEK**

204859W

**FREINER RD**

**PRIVATE**

## 1.01

## 1.01

### ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

- 50

**GRADE**

0.21

88

41

**+0.08**

0.00

♀

0.00

**+0.14**

07/25/2007

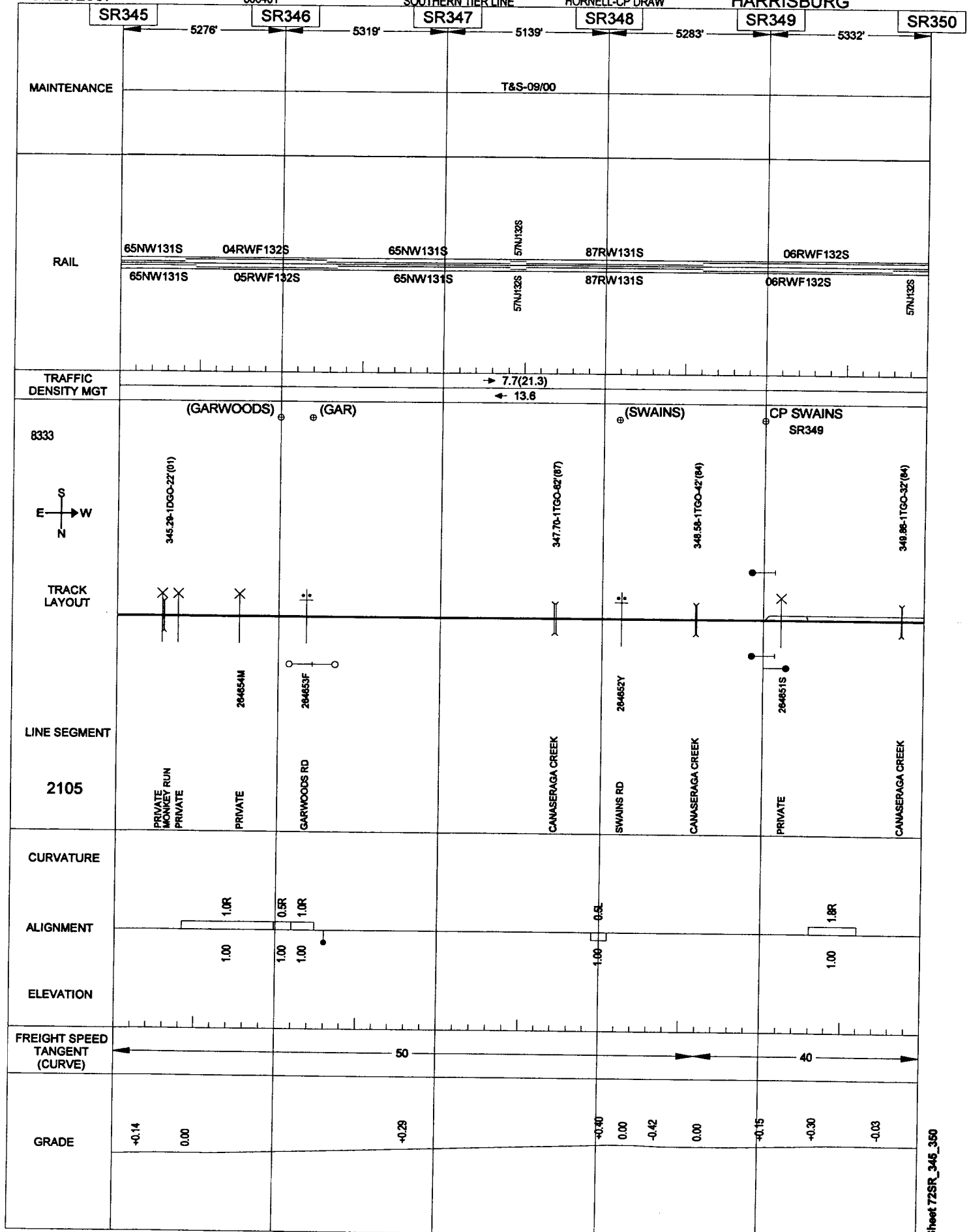
306401

322

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG





07/25/2007

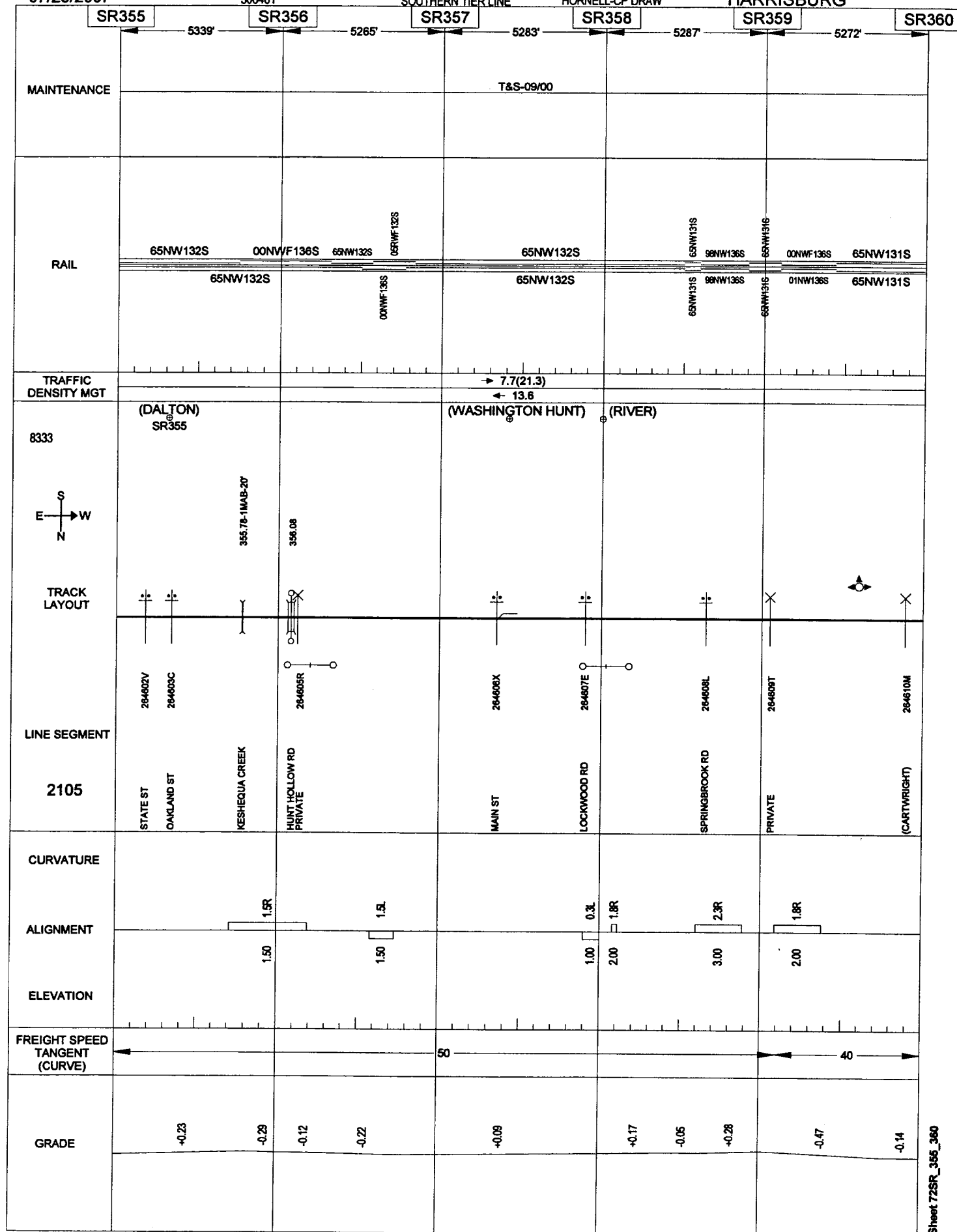
306401

324

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



07/25/2007

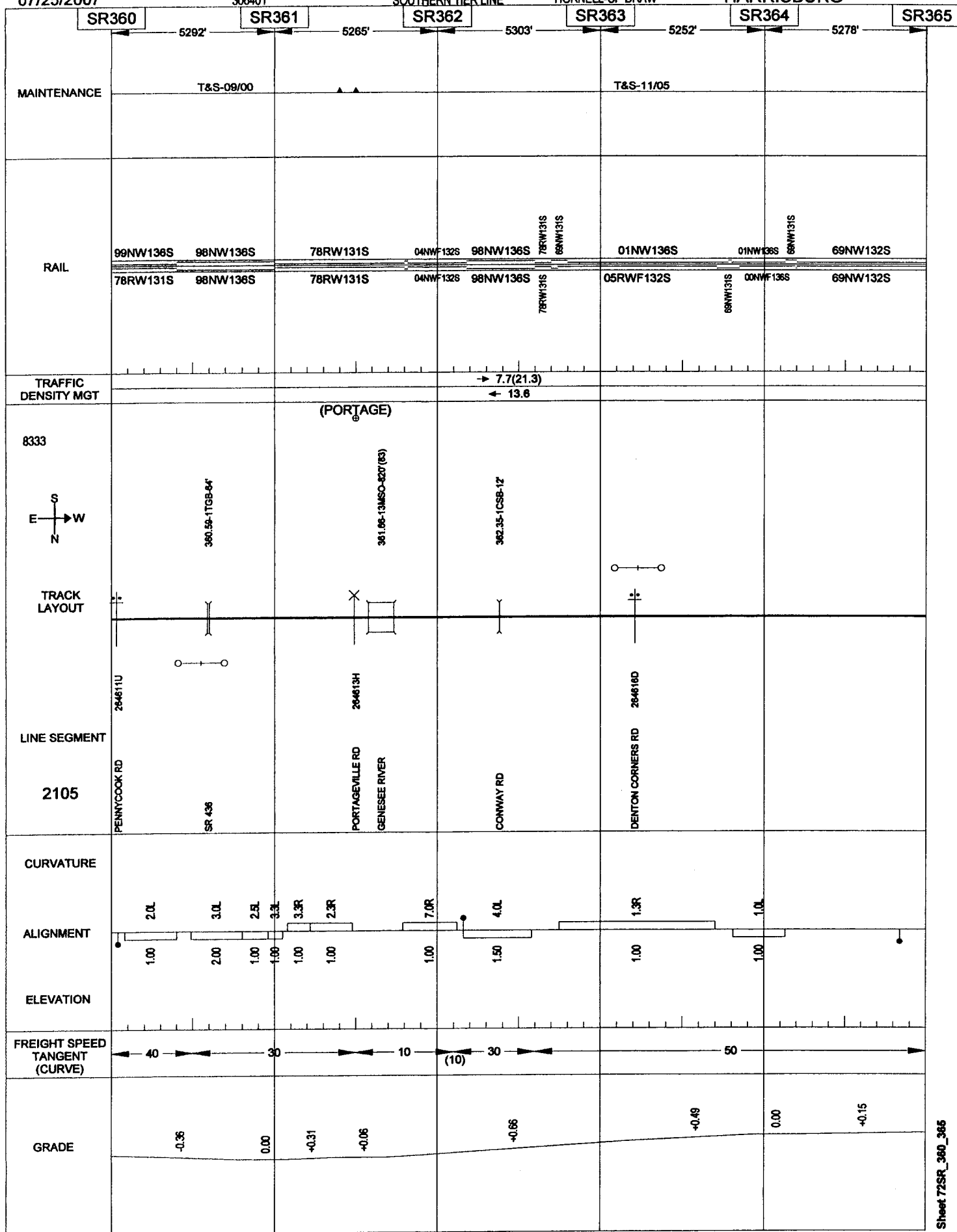
306401

325

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG





07/25/2007

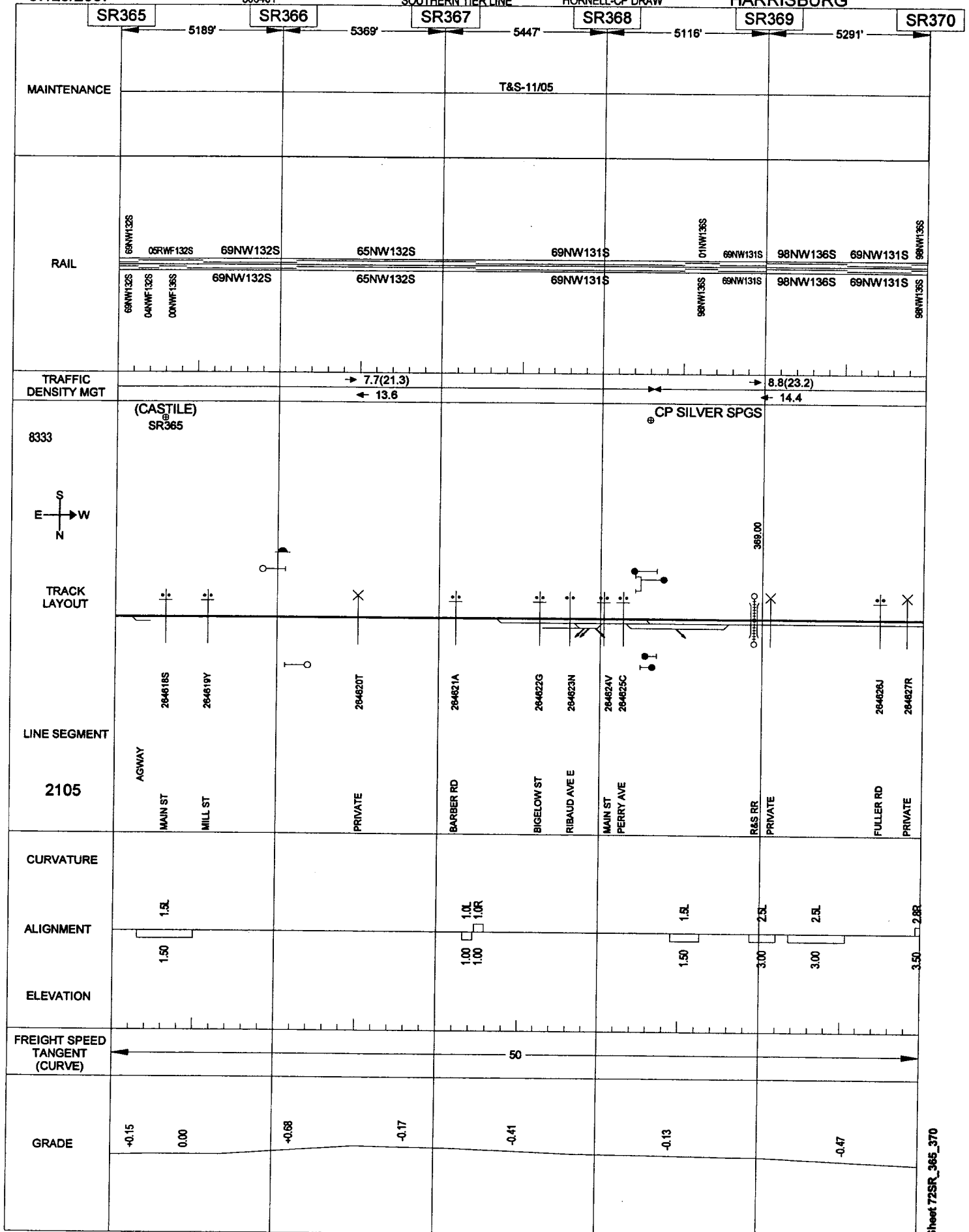
306401

326

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



07/25/2007

306401

327

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG

SR370

SR371

SR372

SR373

SR374

SR375

5272'

5288'

5277'

5278'

5286'

MAINTENANCE

T&amp;S-11/05

RAIL

98NW136S

69NW131S

04NWF132S

98NW136S

69NW131S

98NW136S

69NW131S

92RW140S

69NW131S

00NWF136S

02NW141S

69NW131S

98NW136S

69NW131S

04NWF132S

04NWF132S

69NW131S

92RW140S

69NW131S

00NWF136S

02NW141S

69NW131S

TRAFFIC  
DENSITY MGT

→ 8.8(23.2)

← 14.4

CP ROCK GLEN

8333

S  
E → W  
N

370.35-1TGB-5Z

370.43-1MAB-1Z

371.64-1MAB-10'

TEST  
MILETEST  
MILE

374.10-1MAB-1Z

374.87-1MAB-1Z

TRACK  
LAYOUT

LINE SEGMENT

2105

RT 19  
OATKA CREEK

264630Y

264631F

264632M

264633U

264634B

264635H

264636P

264637W

264638K

PRIVATE  
FARM XING

LIBERTY ST

STONY CREEK

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

-0.47

-0.19

-0.34

+0.03

-0.26

0.00

-0.76

07/25/2007

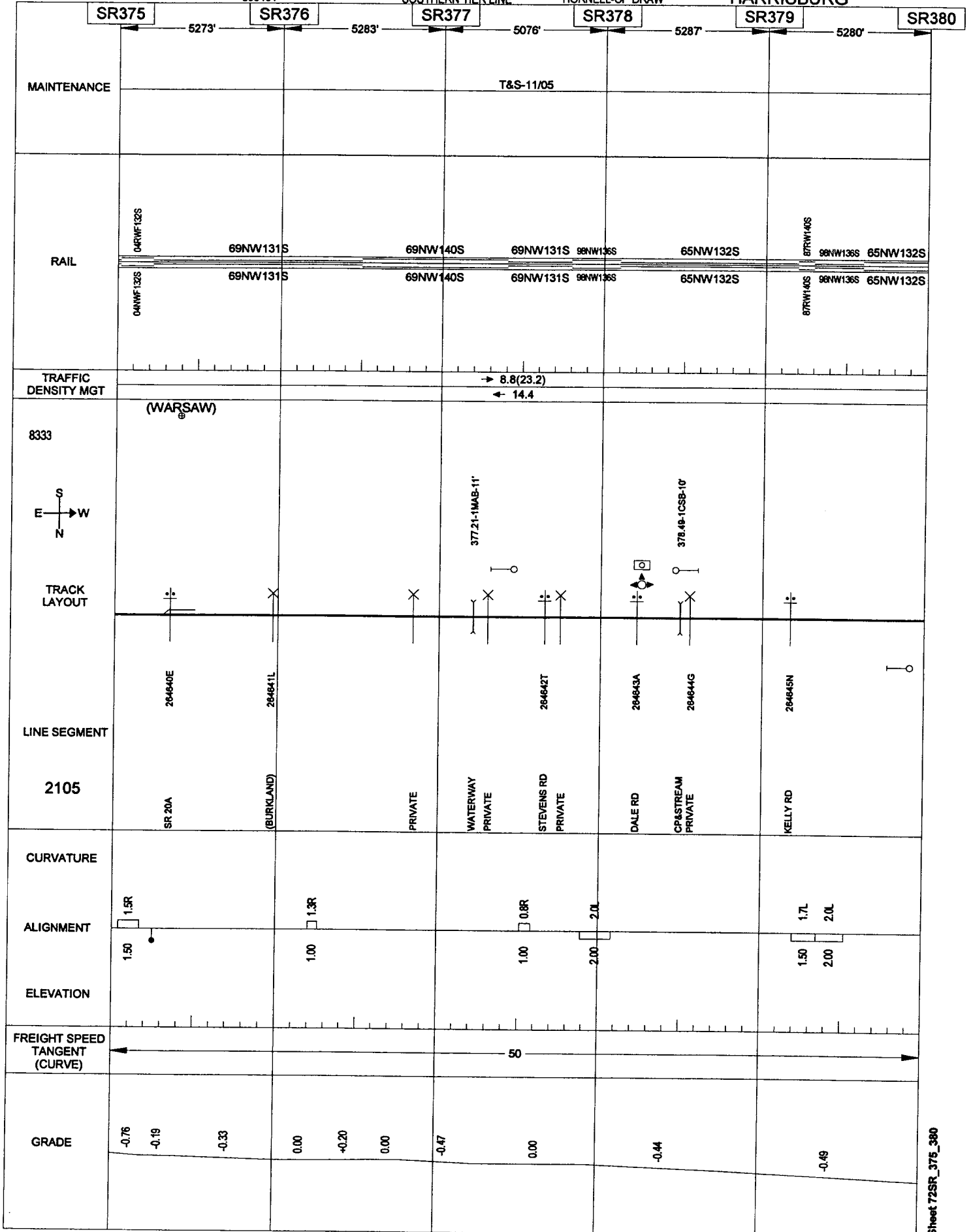
306401

328

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



07/25/2007

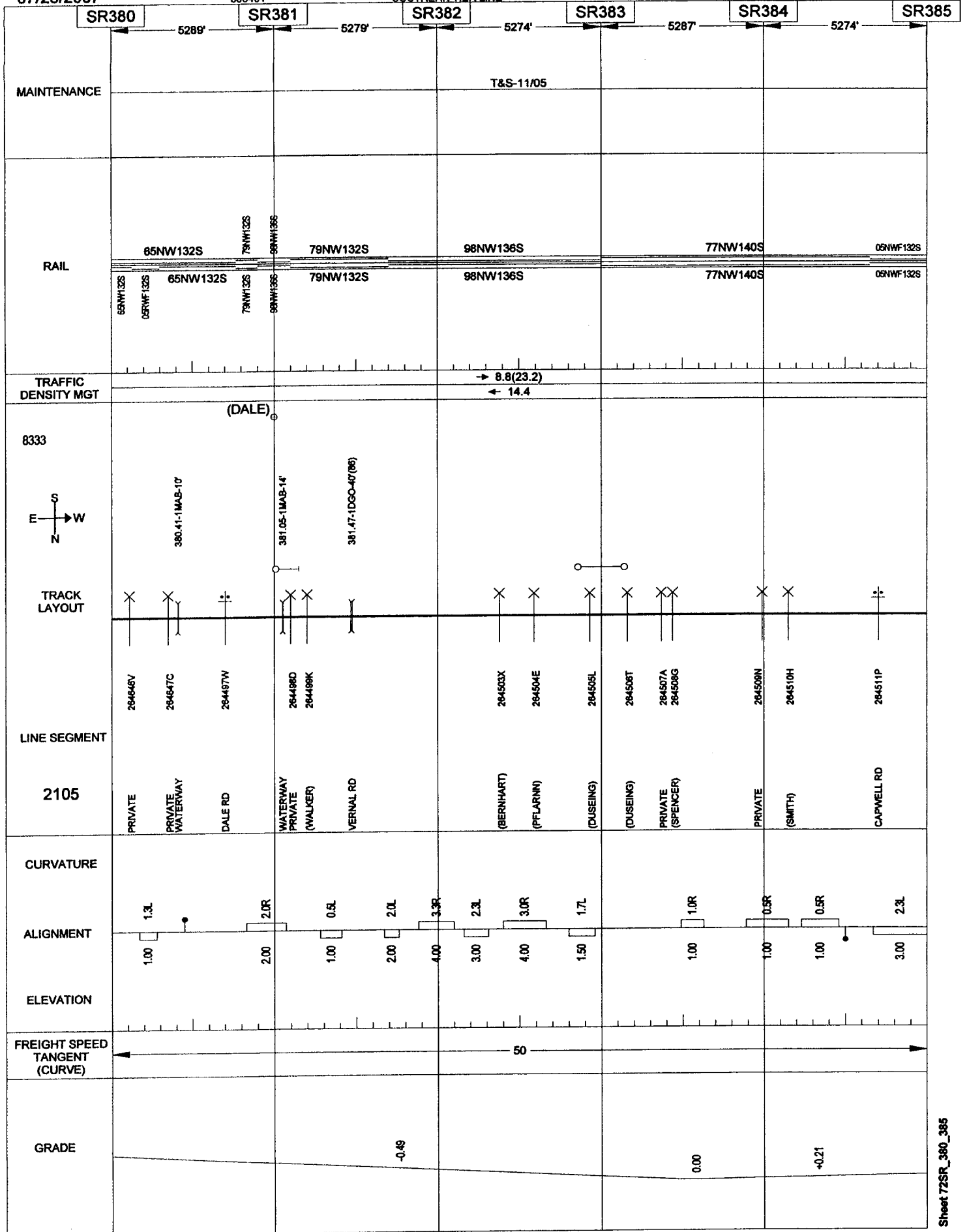
306401

329

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



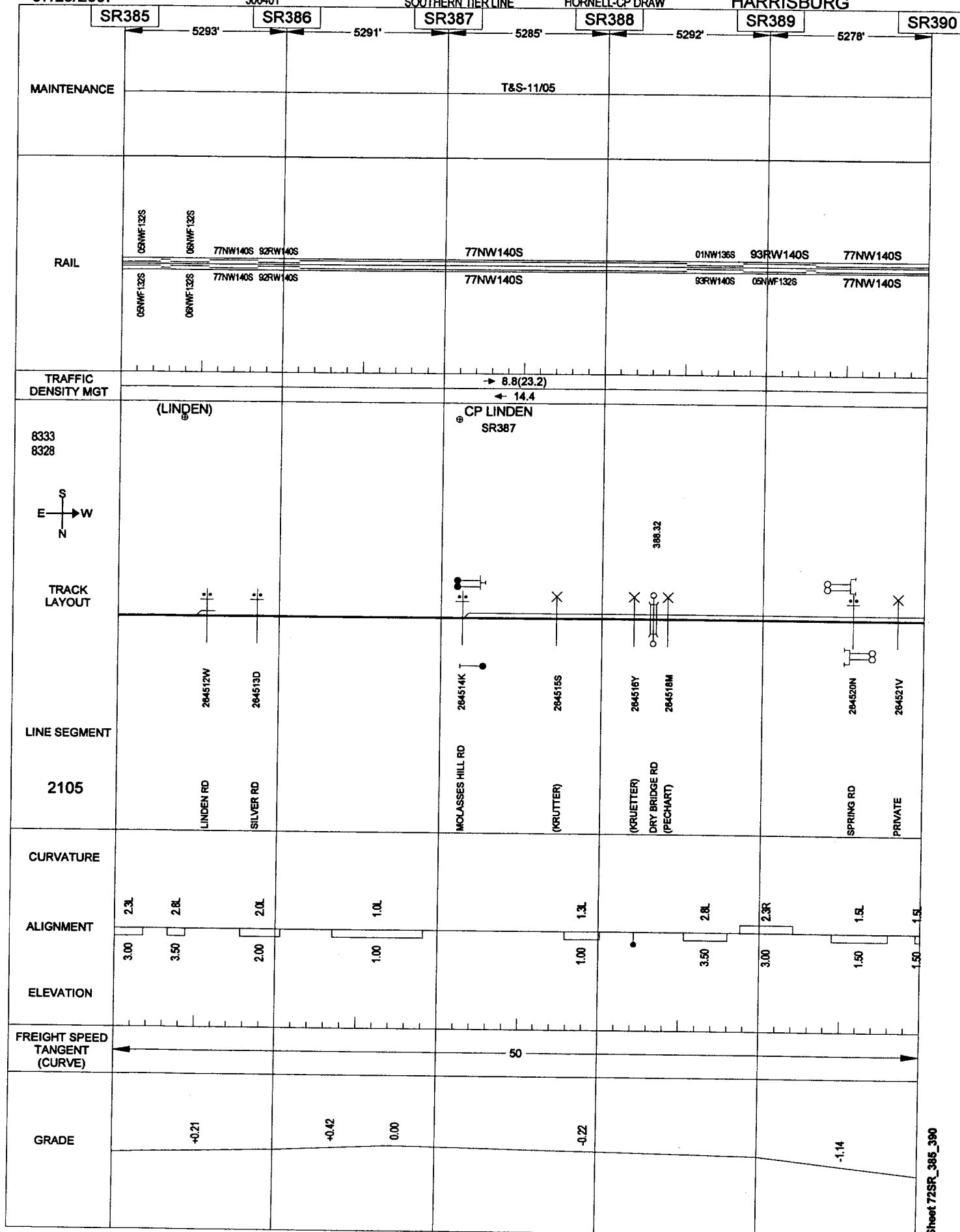
07/25/2007

306401

330  
SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



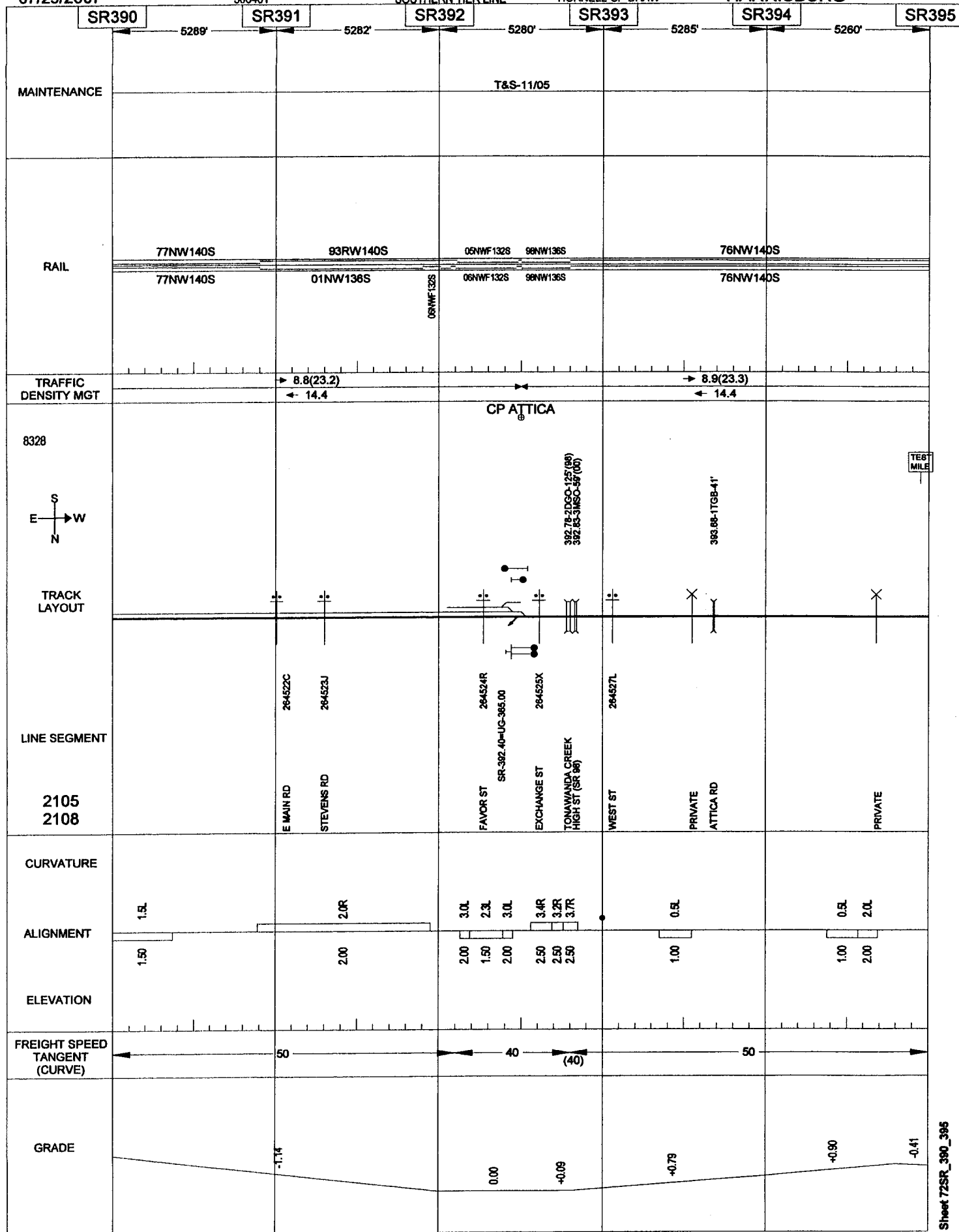
07/25/2007

306401

331  
SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



07/25/2007

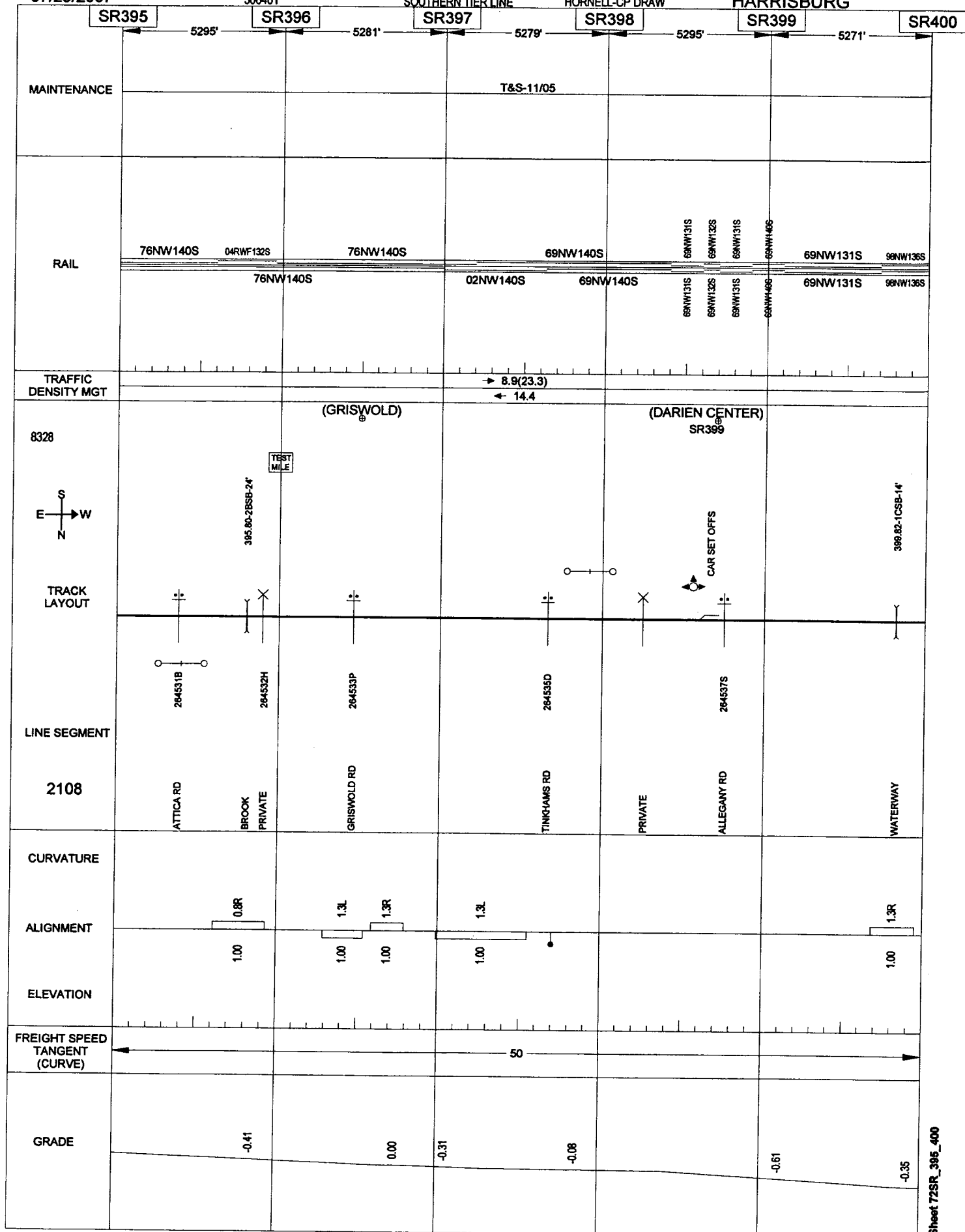
306401

332

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG



07/25/2007

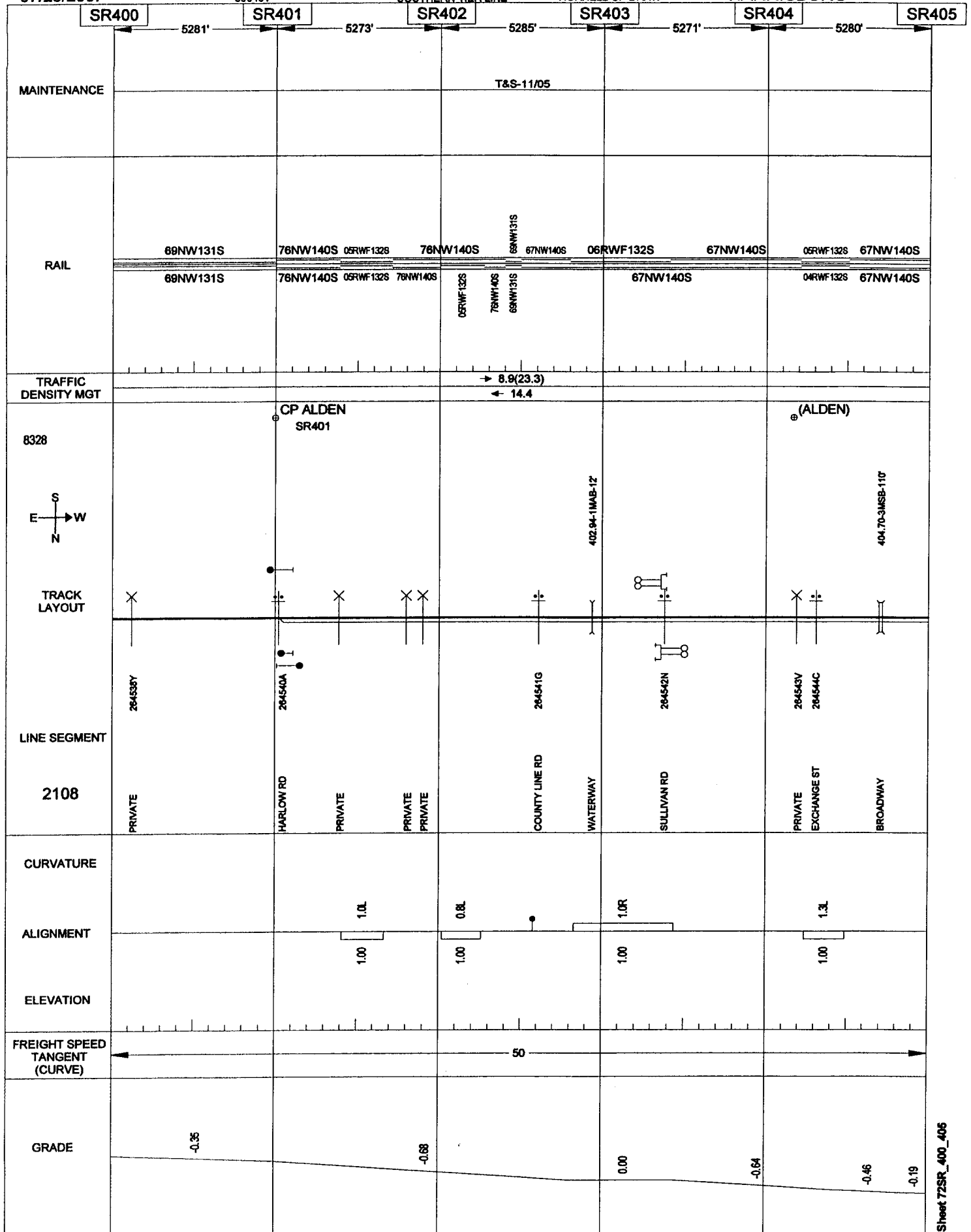
306401

333

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG





07/25/2007

306401

334

SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG

SR405

SR406

SR407

SR408

SR409

SR410

5277'

5280'

5278'

5282'

5280'

MAINTENANCE

T&amp;S-11/05

RAIL

67NW140S

67NW140S

OSRMF132S

67NW140S

TRAFFIC  
DENSITY MGT→ 8.9(23.3)  
← 14.4

8328

CP MARILLA  
SR406S  
E → W  
NTRACK  
LAYOUT408.54-1CSB-11'  
408.65-1CSB-11'

LINE SEGMENT

2108

284546R

SANDRIDGE RD

284529A

PRIVATE

284547X

PRIVATE

284548E

TWO ROD RD

284551M

PRIVATE

284550F

TOWN LINE RD

284552U

WATERWAY  
PRIVATE  
PRIVATE

284553B

PRIVATE

284554H

RANSON RD

284556W

PRIVATE

284557D

PRIVATE

284559S

SCHWARTZ RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

-0.19

-0.64

-0.81

-0.34

-0.41

+0.27

-0.07

07/25/2007

306401

335  
SOUTHERN TIER LINE

HORNELL-CP DRAW

HARRISBURG

SR410 5280' SR411 5282' SR412 5279' SR413 5280' SR414 5283' SR415

MAINTENANCE

T&S-11/05

RAIL

67NW140S

67NW131S

67NW140S

67NW131S

TRAFFIC  
DENSITY MGT

→ 8.9(23.3)  
← 14.4

8328



TRACK  
LAYOUT

⊙ (LANCASTER)  
SR413

⊙ (DEPEW)

413.20-1TGB-68'

413.93-1TGO-55'(83)

414.52-3MSB-60'

LINE SEGMENT

2108

PAVEMENT RD  
284551T

(TRUDELL)  
913053W

CEMETERY RD

PRIVATE  
874156M

ERIE ST  
874157U

COURT ST  
874158B

CENTRAL AVE  
N AURORA ST  
874160C

SANILAC ST  
PENURA ST  
874162R

TRANSIT RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

-0.07

-0.36

0.00

-0.72

-0.15

0.00

-0.49

-0.46

+0.19

+0.87

0.00

-0.10

07/25/2007

306401

336  
BISON R.T.

HORNELL-CP DRAW

HARRISBURG

SR415

SR416

SR417

SR418

SR419

SR420

5284'

5282'

5279'

5286'

5169'

MAINTENANCE

T&amp;S-07/02

RAIL

67NW131S  
06RW132S  
67NW131S

93RW140S

93RW140S

TRAFFIC  
DENSITY MGT→ 9.0(23.5)  
← 14.5→ 7.2(19.0)  
← 11.8

CP BROADWAY

CP PANAMA®

8328

S  
E → W  
NTRACK  
LAYOUT

415.07-1TGB-51'

415.52-3DGO-153' (03)

415.86-1TGB-73'

417.56-1TGB-65'

418.28

419.20

LINE SEGMENT

2108  
2111

CR UNION RD

TERM RY

TO BISON YARD

BROADWAY

UNION RD  
PRIVATE

DL&amp;W RR

NY STATE THRUWAY

BISON YARD

HARLEM AVE

PRIVATE

CURVATURE

ALIGNMENT

2.0L

2.00

1.0L

1.00

1.0R

1.00

1.5L

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

40

15

GRADE

-0.10

-0.74

-0.11

-0.37

0.00

-0.17

-0.47

-0.53

07/25/2007

306401

337  
BISON R.T.

HORNELL-CP DRAW

HARRISBURG

SR420

SR421

SR422

SR423

5393'

5277'

5280'

5280'

MAINTENANCE

T&amp;S-08/06

RAIL

93RW140S

00NWF136P

93RW140S

93RW140S

01RW132S

00NWF136P

93RW140S

TRAFFIC  
DENSITY MGT

→ 10.0(23.3)

← 13.3

8328  
8335S  
E → W  
NTRACK  
LAYOUT

TO BISON YARD

420.06-2CSB-62'

420.76-2TGB-146'

TO SK YARD

TO SK YARD

421.83-4TGB-98'

SR-421 90WB-2.15

423.10

LINE SEGMENT

2111

WILLIAM ST

BAILEY AVE

CLINTON ST, SR 354

ACCESS ROAD

SENECA ST

I-190

ELK ST

S PARK AVE

SR-423.15=1.50-FK

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

4.0R  
1.002.8L  
1.002.0L  
1.002.0R  
1.004.3R  
1.002.5L  
1.002.5R  
1.001.0L  
1.00

15

15

-0.53

0.00

-0.08

-0.24

-0.38

0.00

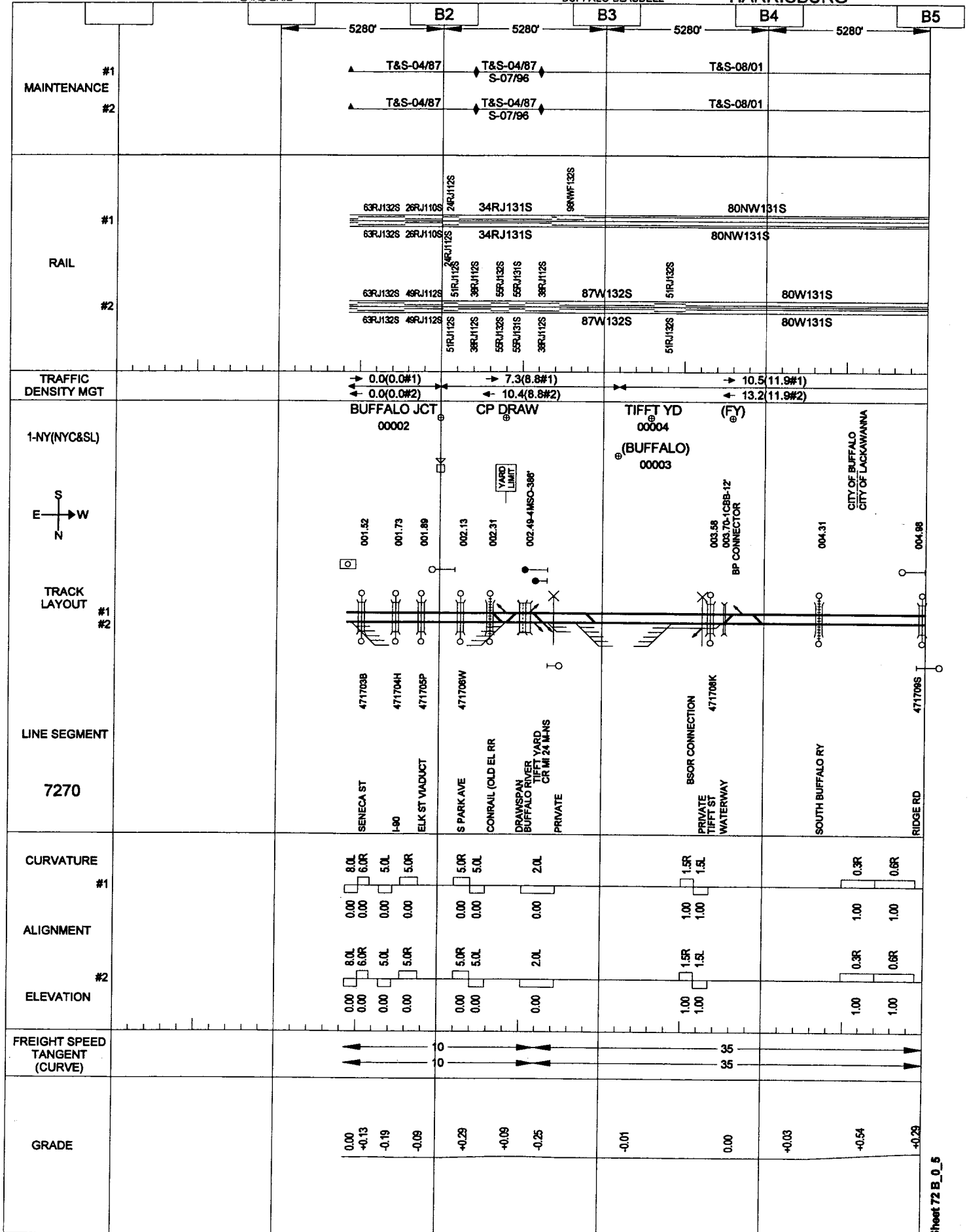
07/25/2007

LAKE ERIE

338

BUFFALO-BIASDELL

HARRISBURG



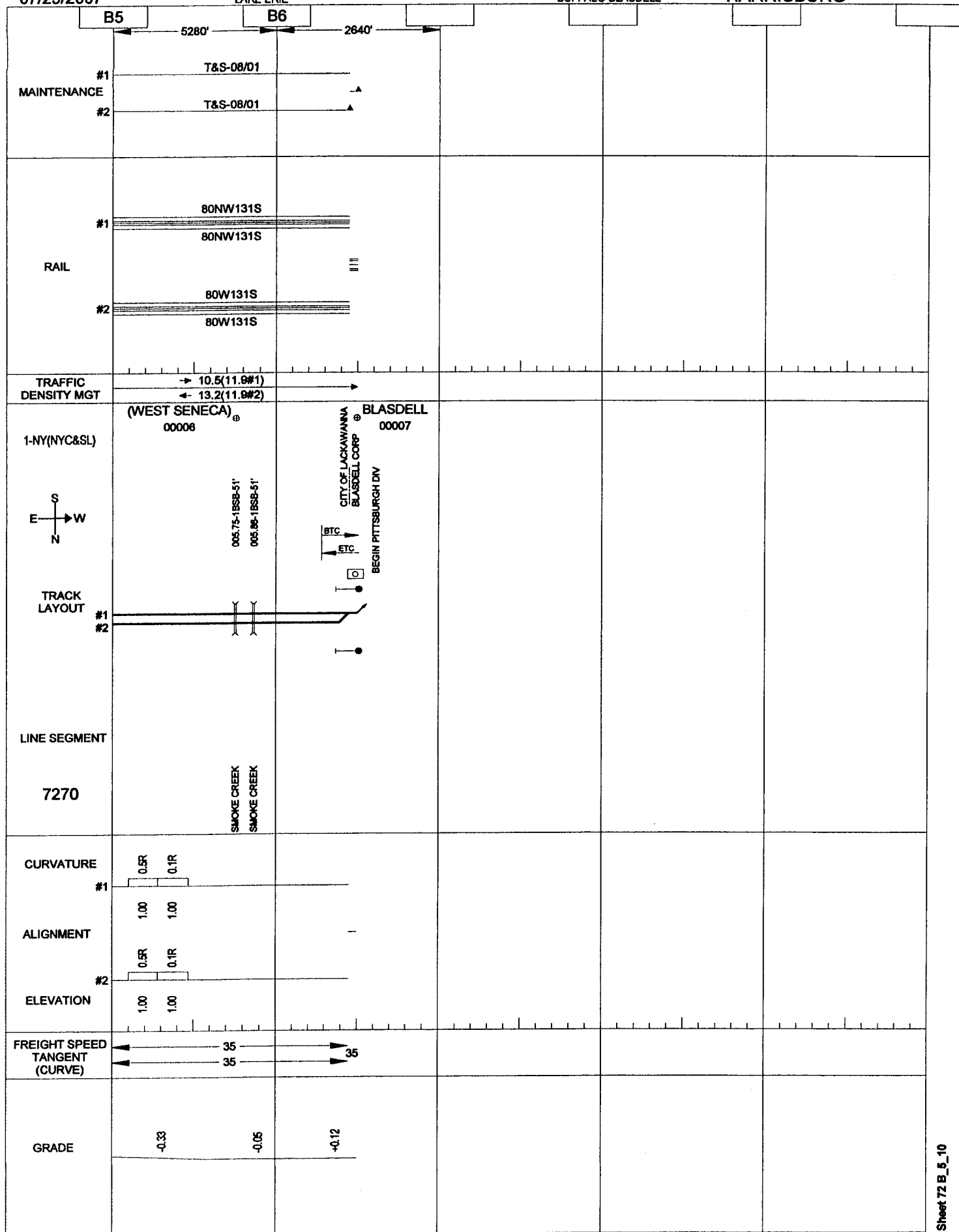
07/25/2007

LAKE ERIE

339

BUFFALO-BLADDELL

HARRISBURG



07/25/2007

100501

340

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG

IS213

IS214

IS215

5280'

5294'

5298'

MAINTENANCE

T&amp;S-06/89

RAIL

59NJ136S 51NJ136S 28NJ136S 44NJ136S 30NJ136S 29NJ136S

59NJ136S 51NJ136S 28NJ136S 44NJ136S 30NJ136S 29NJ136S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0) → 0.1(0.3)

← 0.0 ← 0.2

8213

S  
E → W  
N

TRACK  
LAYOUT

PAPER CHARMIN ROB MEHOOPANY  
IS214

YARD  
LIMIT

214.15

LINE SEGMENT

2051

TO RDG BLUE MTN RR

PRIVATE 361377W

CHARMIN IND.

PRIVATE 361374B  
PRIVATE 361378P  
PRIVATE 361375H

SR 87

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

5.5R 2.5L 1.7L 1.4R 0.9R 2.5R 1.3R 1.7R

1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

← 25 →

GRADE

+0.19 +0.09 +0.01 0.00

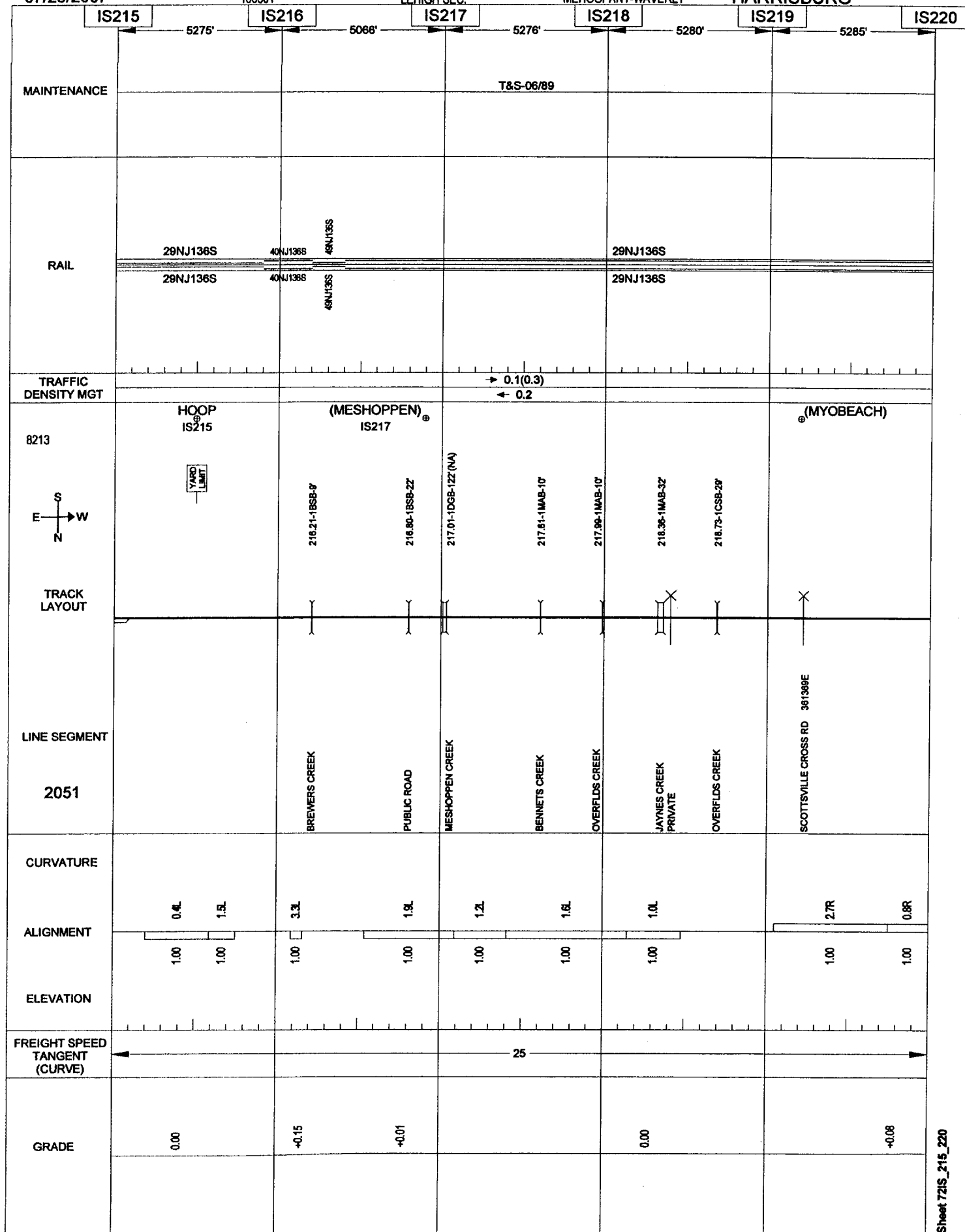
07/25/2007

100501

341  
LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG





07/25/2007

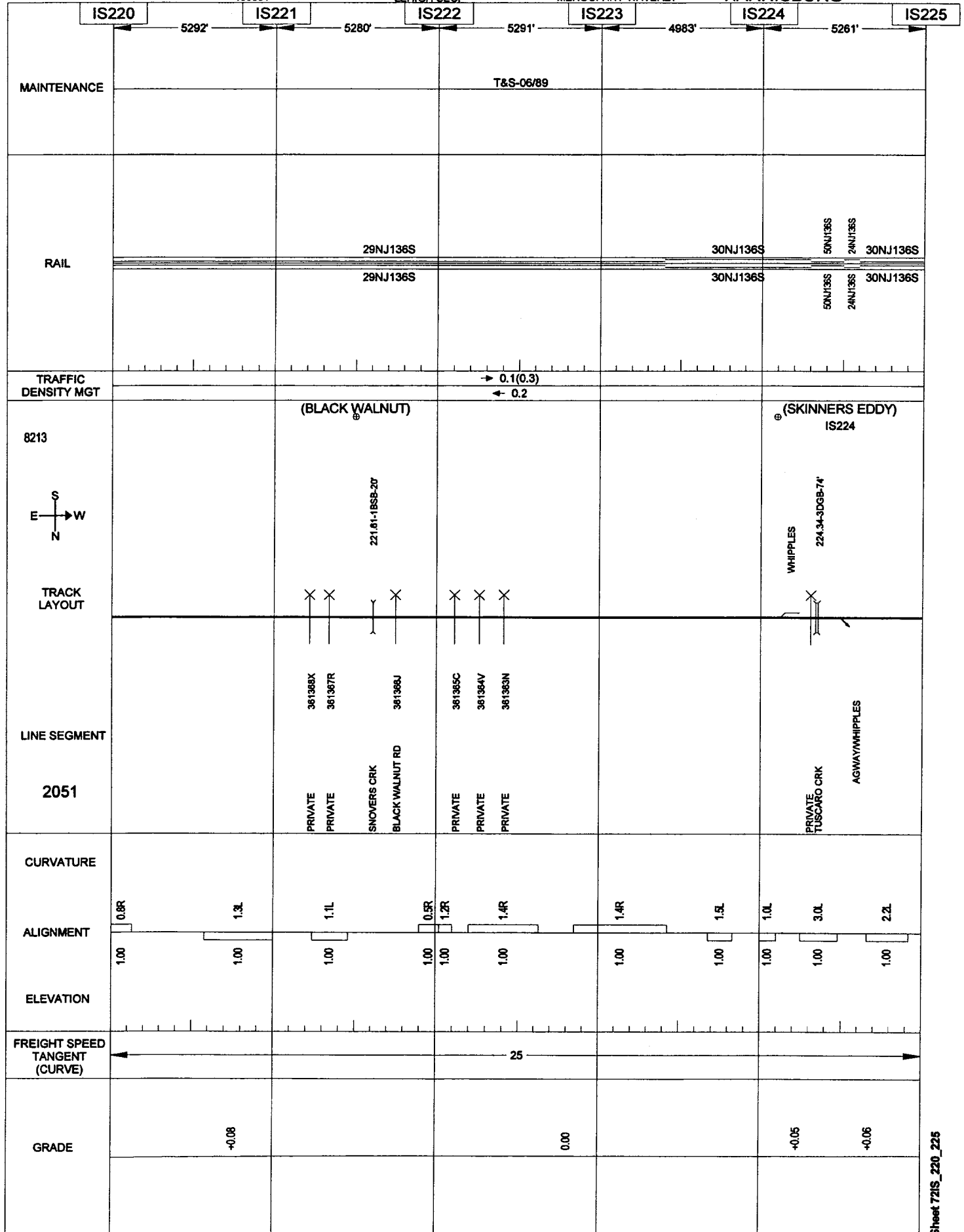
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342

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



07/25/2007

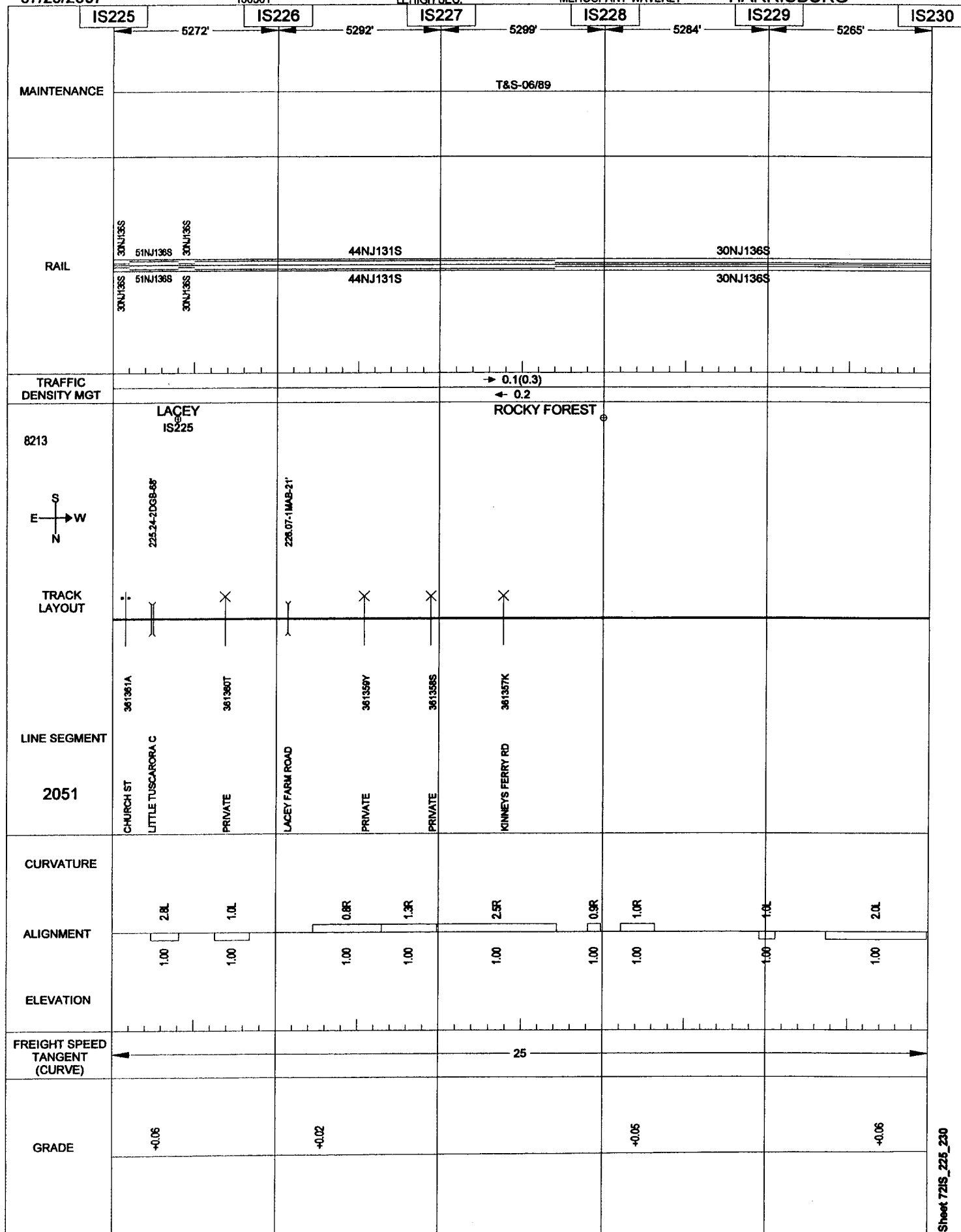
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343

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



07/25/2007

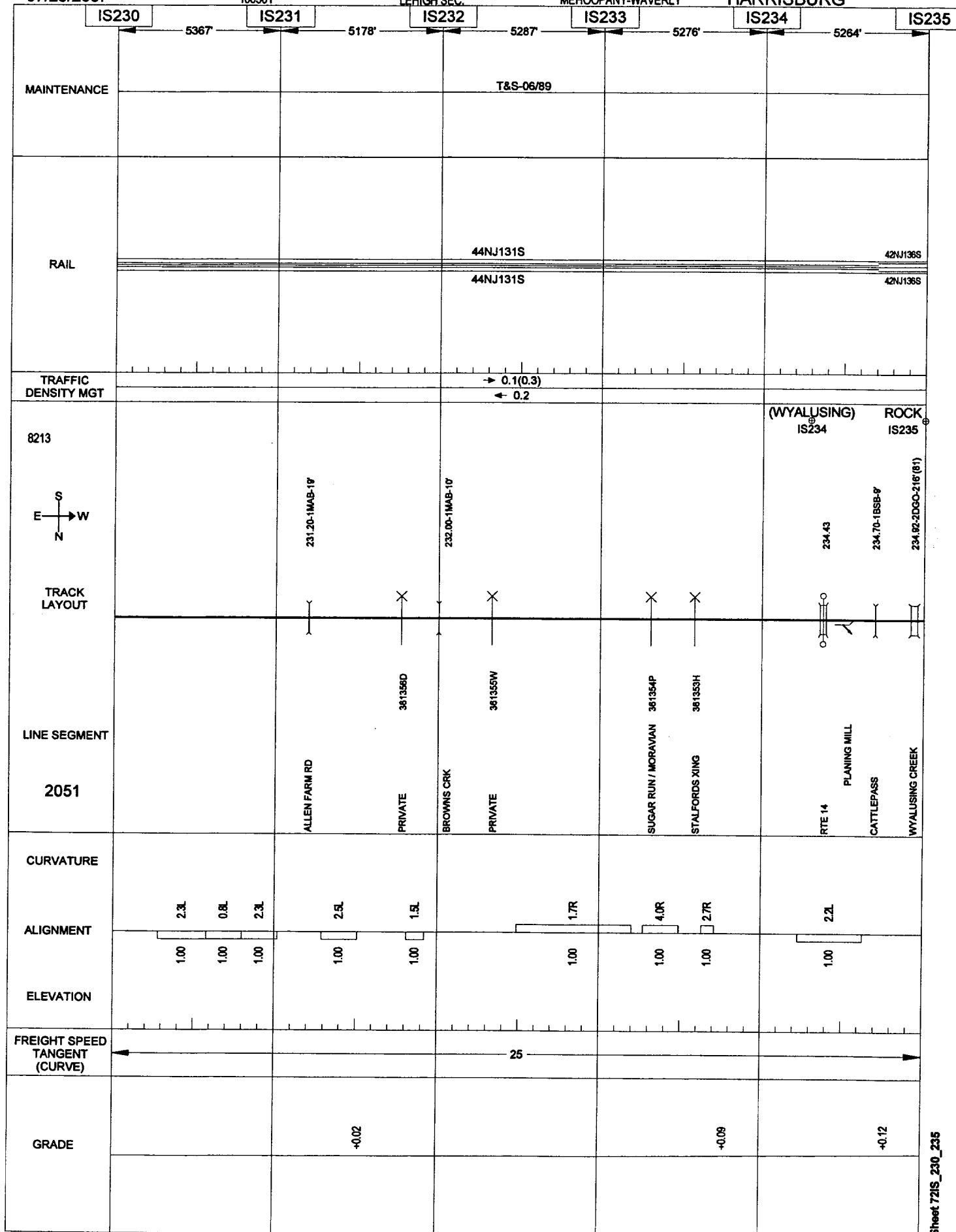
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344

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



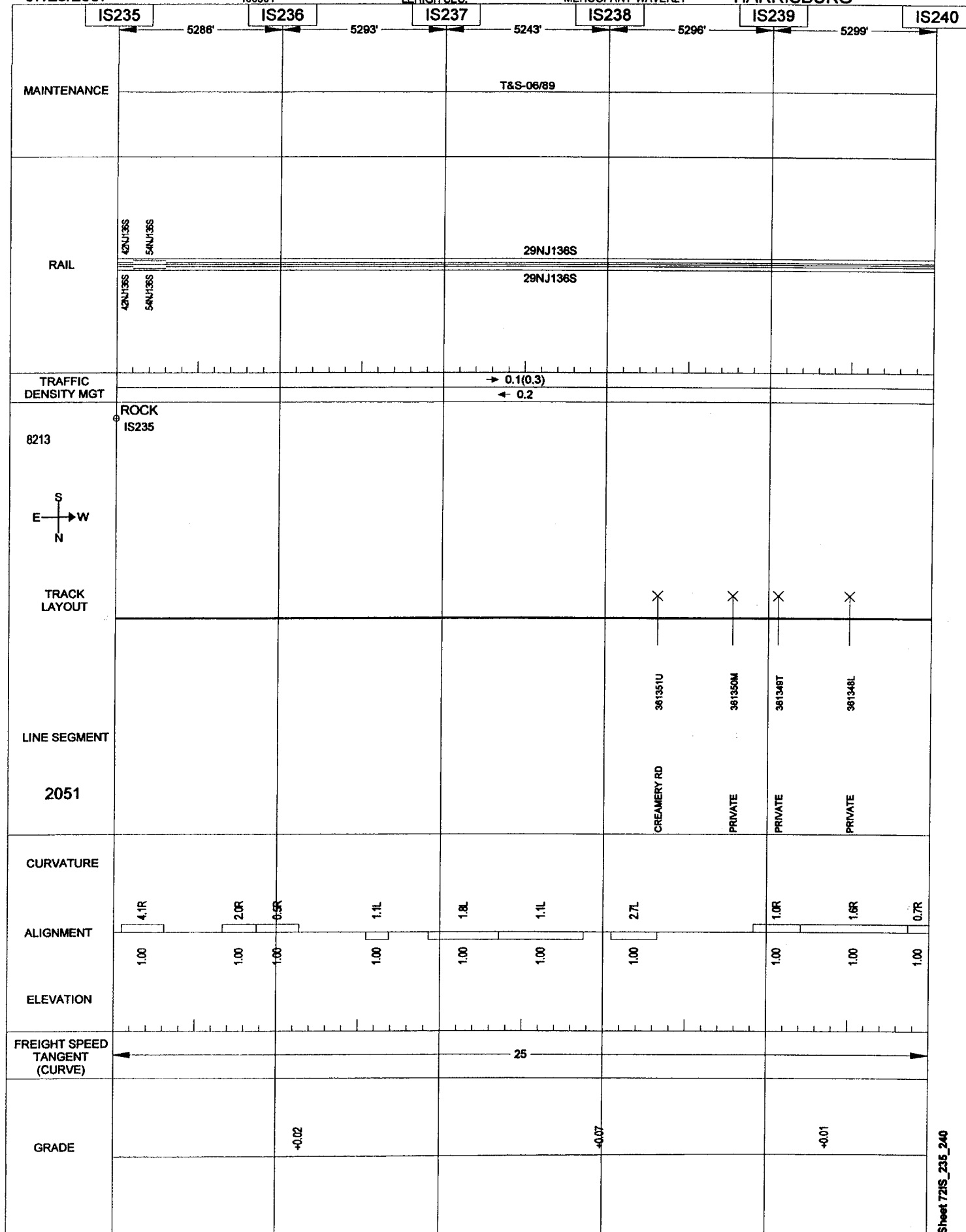
07/25/2007

100501

345  
LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



07/25/2007

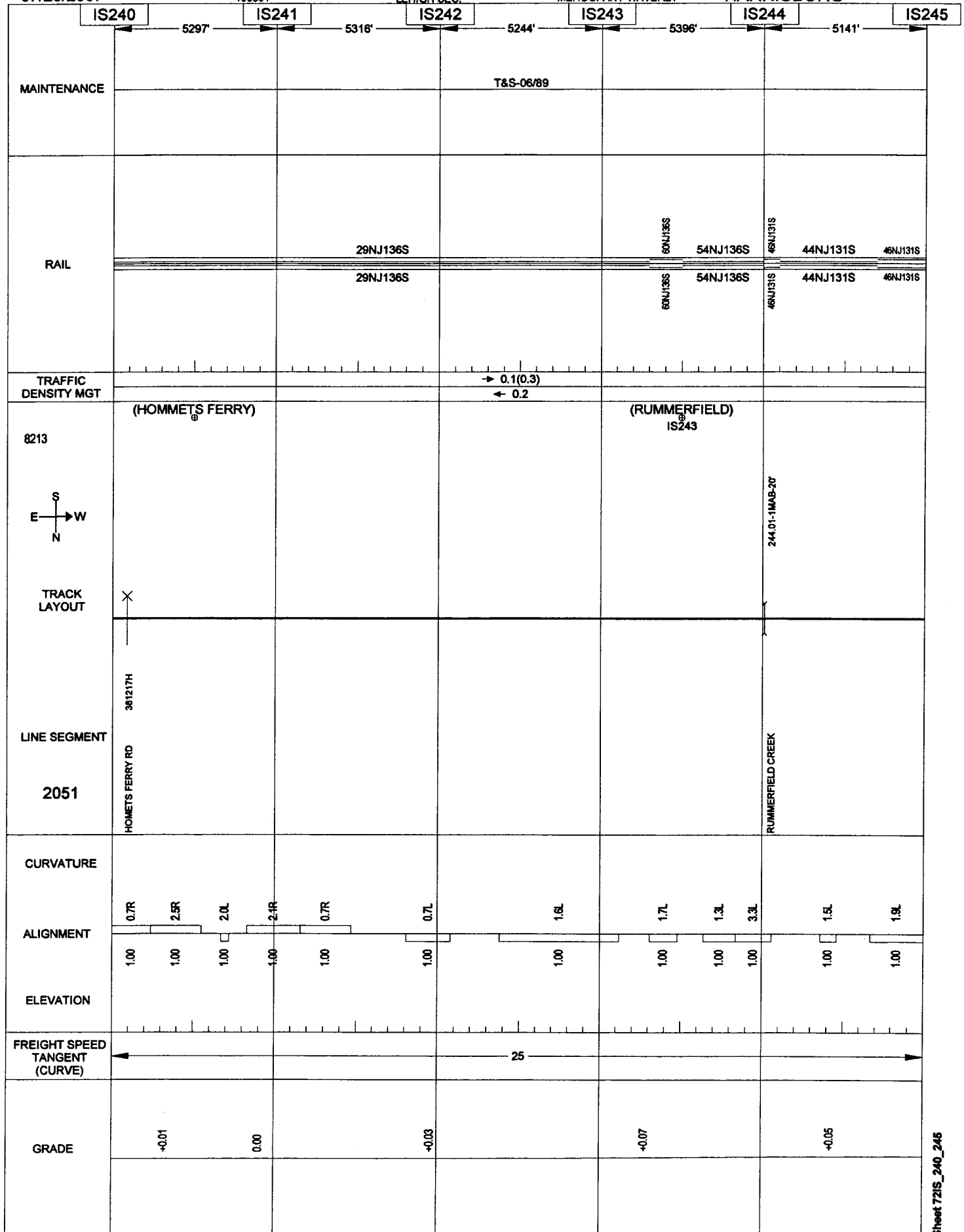
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346

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



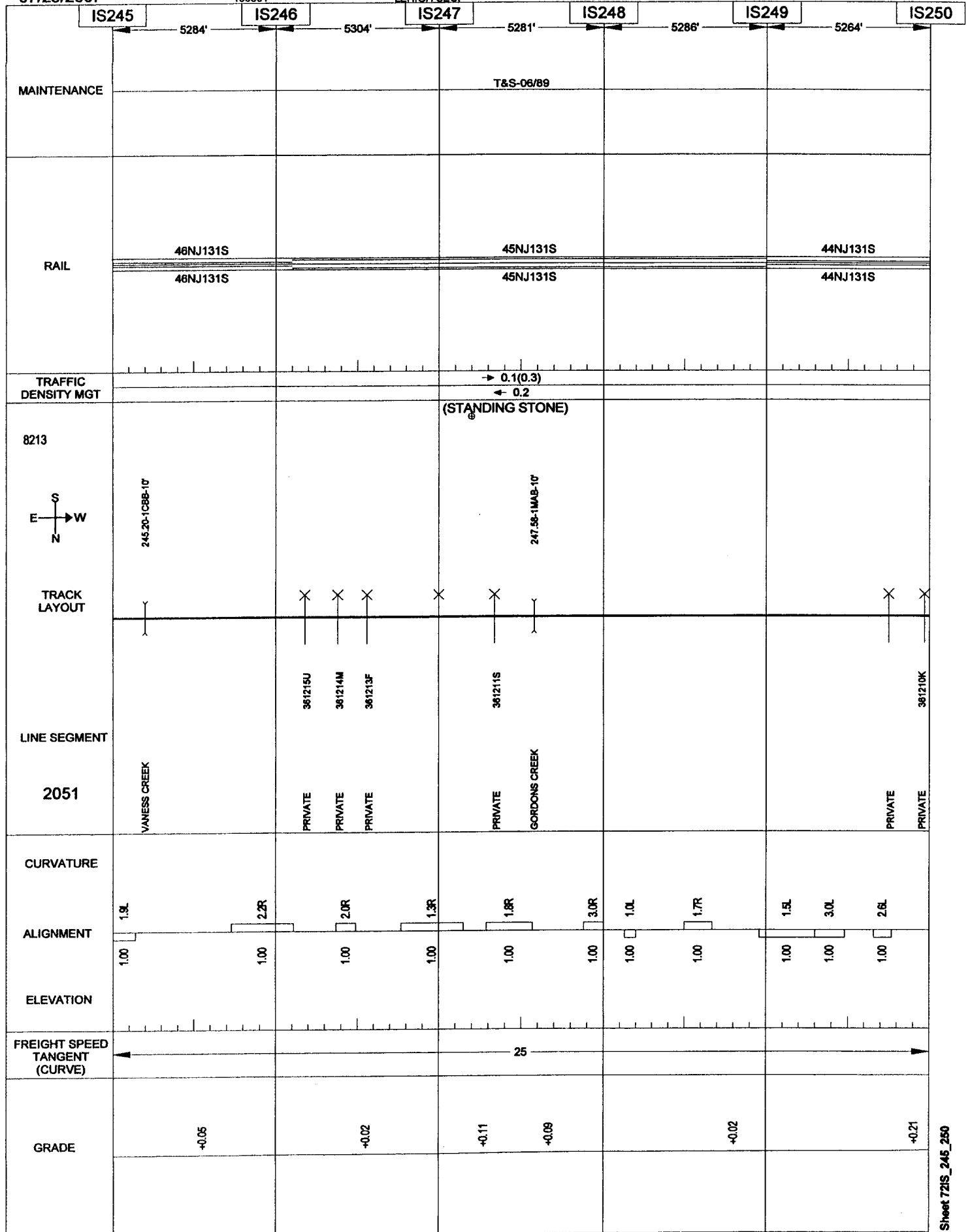
07/25/2007

100501

347  
LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



07/25/2007

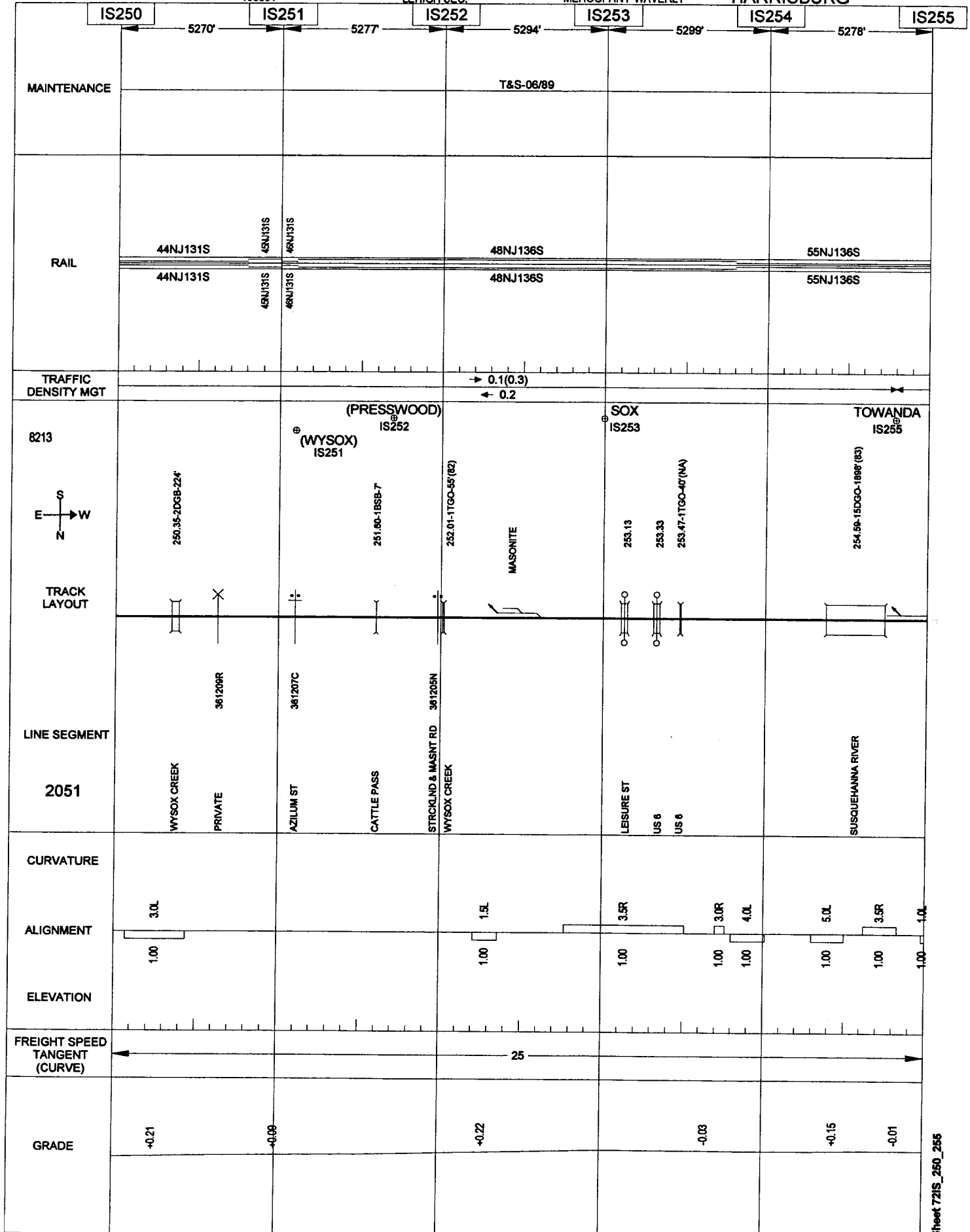
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348

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



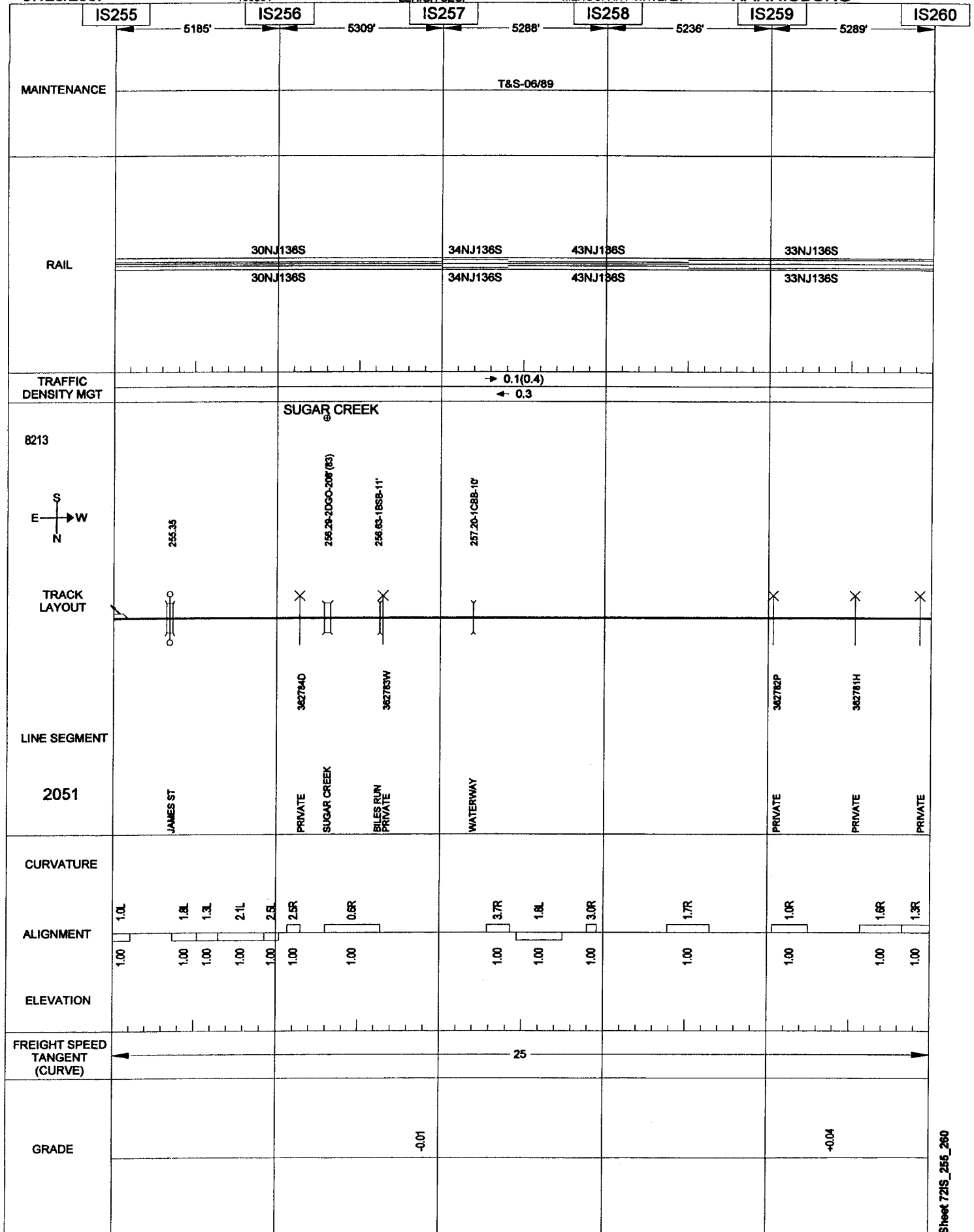
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100501

349  
LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG





07/25/2007

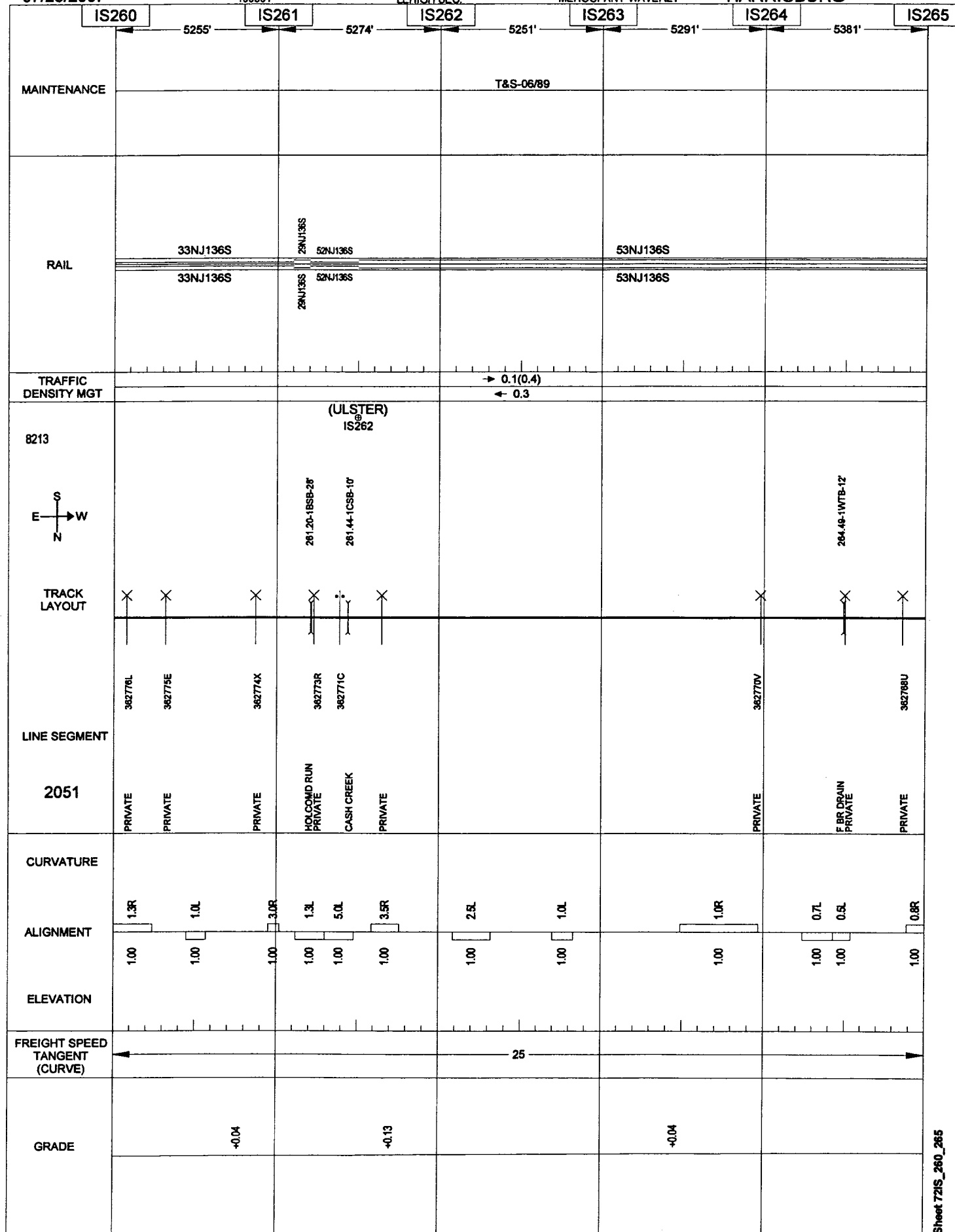
100501

350

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



07/25/2007

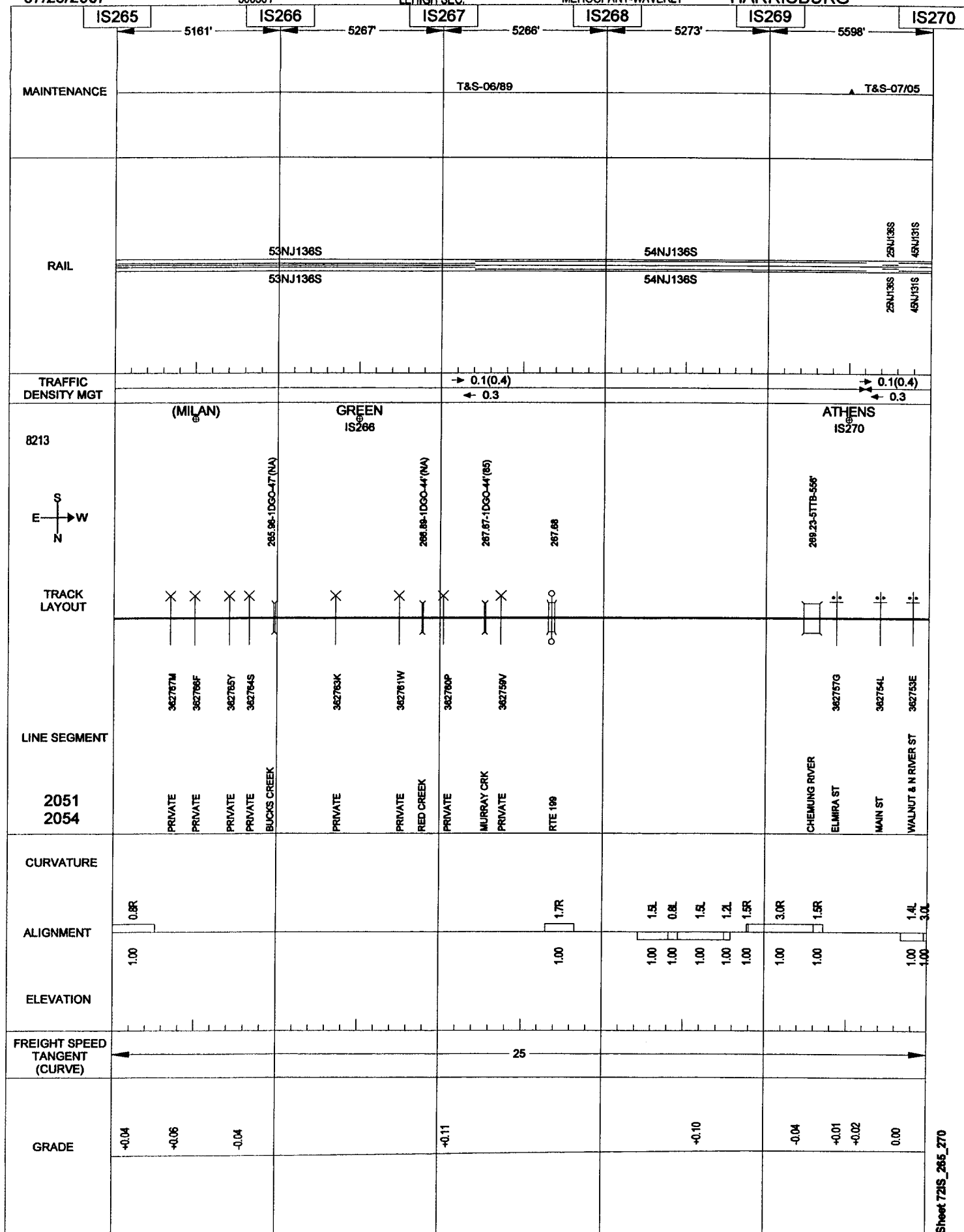
300501

351

LEHIGH SEC.

MEHOOPANY-WAVERLY

HARRISBURG



07/25/2007

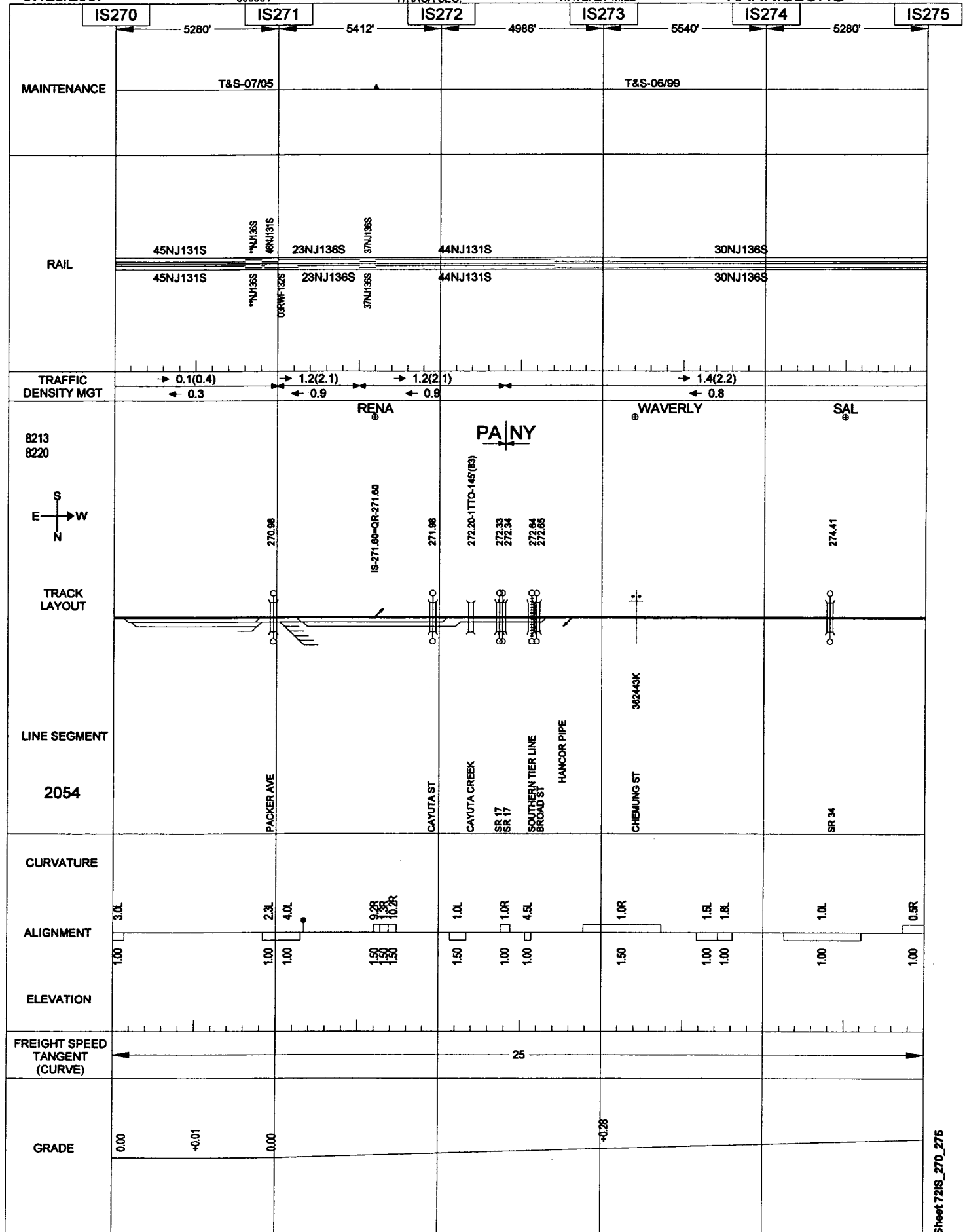
300501

352

ITHACA SEC.

WAVERLY-MILL

HARRISBURG



07/25/2007

300501

353  
ITHACA SEC.

WAVERLY-MILL

HARRISBURG

IS275

IS276

IS277

IS278

IS279

IS280

5277'

5251'

5325'

5263'

5287'

MAINTENANCE

T&amp;S-06/99

RAIL

30NJ136S

28NJ136S

30NJ136S

28NJ136S

TRAFFIC  
DENSITY MGT→ 1.4(2.2)  
← 0.8

(LOCKWOOD)

8220

TRACK  
LAYOUT

275.17-1CSB-14'

276.10-1BSB-14'

276.83-1CSB-12'

277.47-1CSB-14'

277.82-2TGB-115'

278.07-1CSB-12'

278.45-1CSB-17'

LINE SEGMENT

2054

362446F

362447M

362448U

362449B

362450V

362451C

362452J

LOWMANS RUN  
PRIVATE

PRIVATE

CAMPTOWN RD  
CAMPTOWN CREEKPRIVATE  
FOSTERS CREEK

PRIVATE

PRIVATE  
FOOTS RUN

CAYUTA CREEK

MILLER RD  
BINGHAM RUN

LOCKWOOD RUN

MAIN ST

CURVATURE

ALIGNMENT

0.5R

1.7R

1.7L

1.7R

1.0R

2.0L

1.7R

0.5L

ELEVATION

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

-0.28

+0.38

07/25/2007

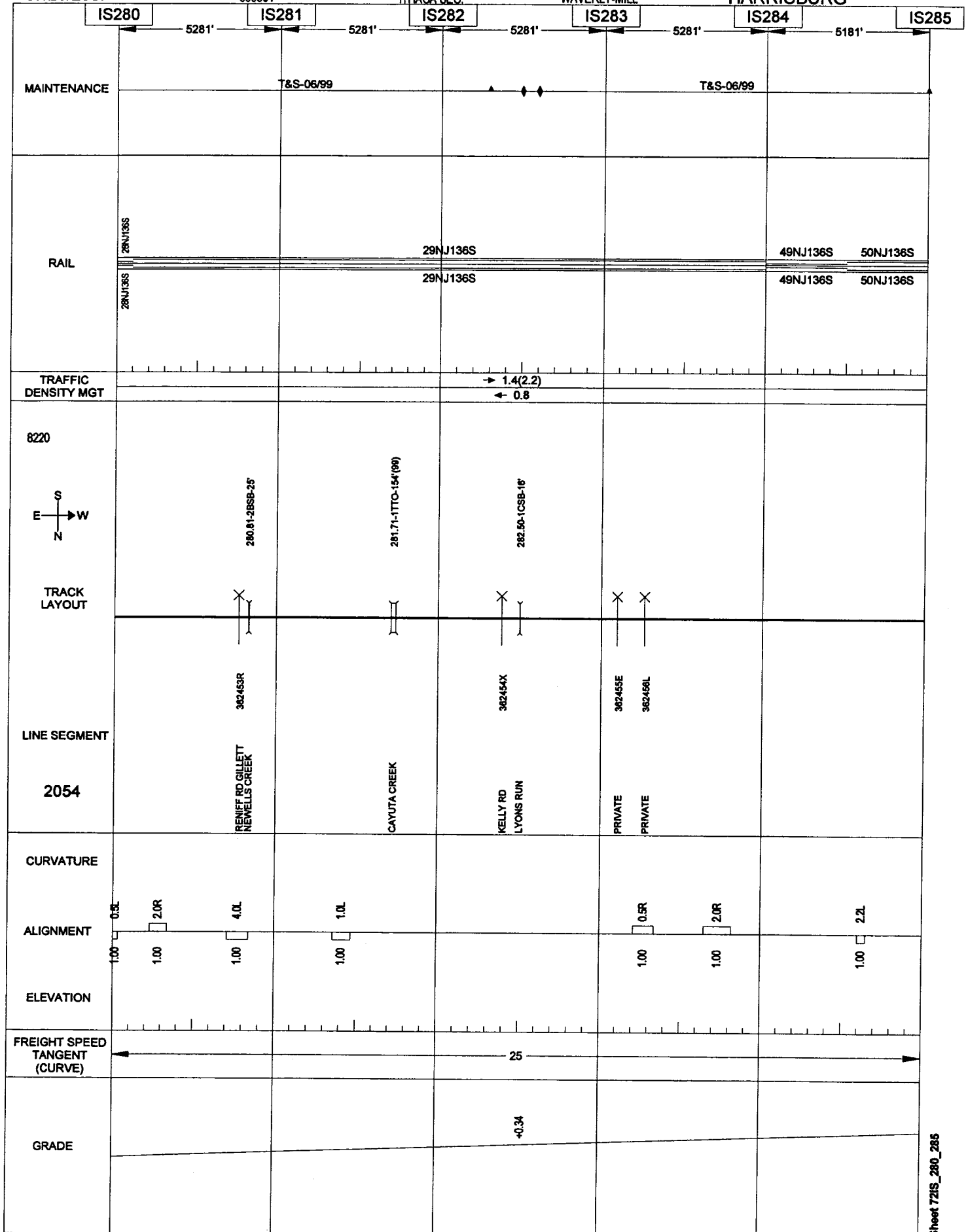
300501

354

ITHACA SEC.

WAVERLY-MILL

HARRISBURG



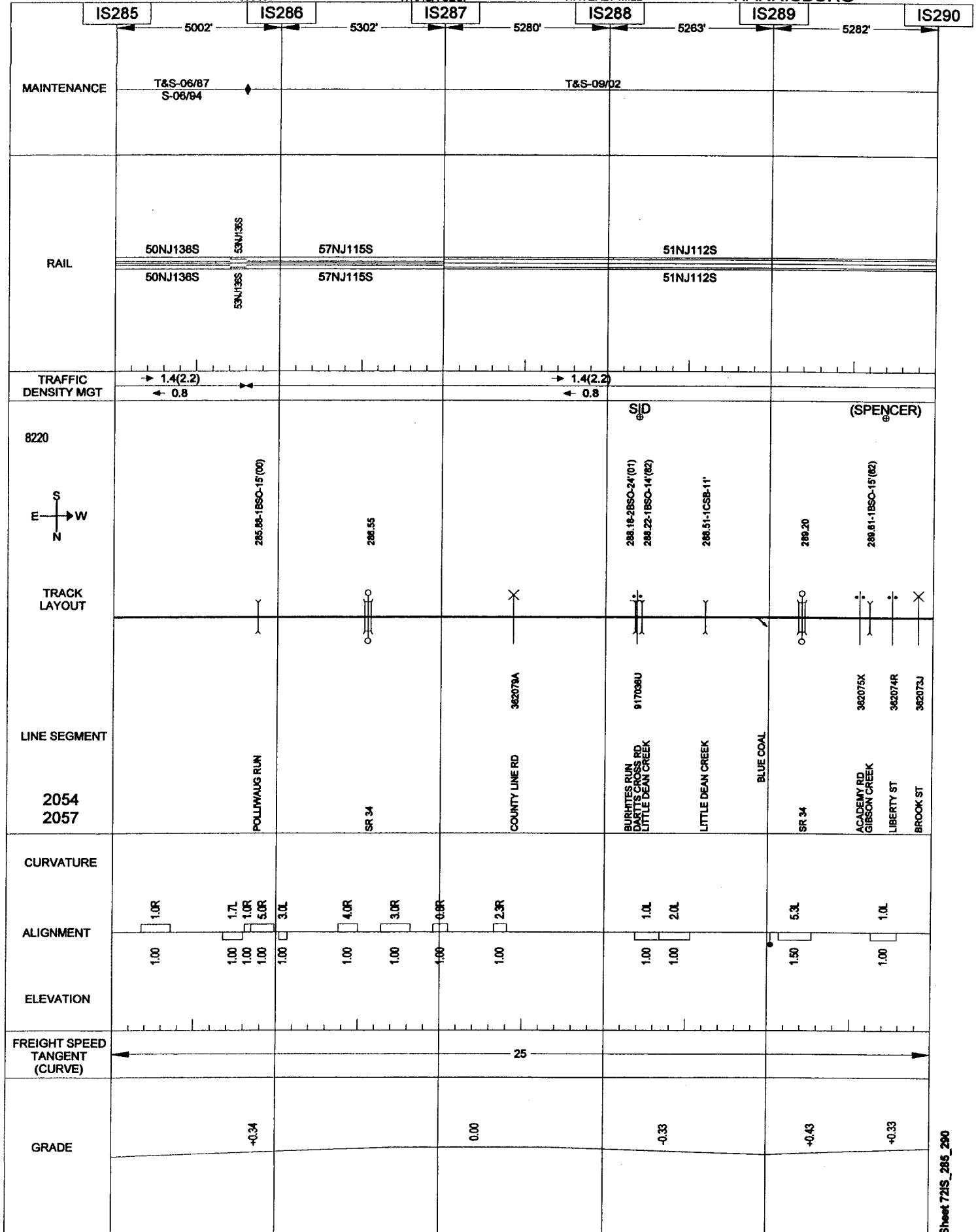
07/25/2007

300609

355  
ITHACA SEC.

WAVERLY-MILL

HARRISBURG



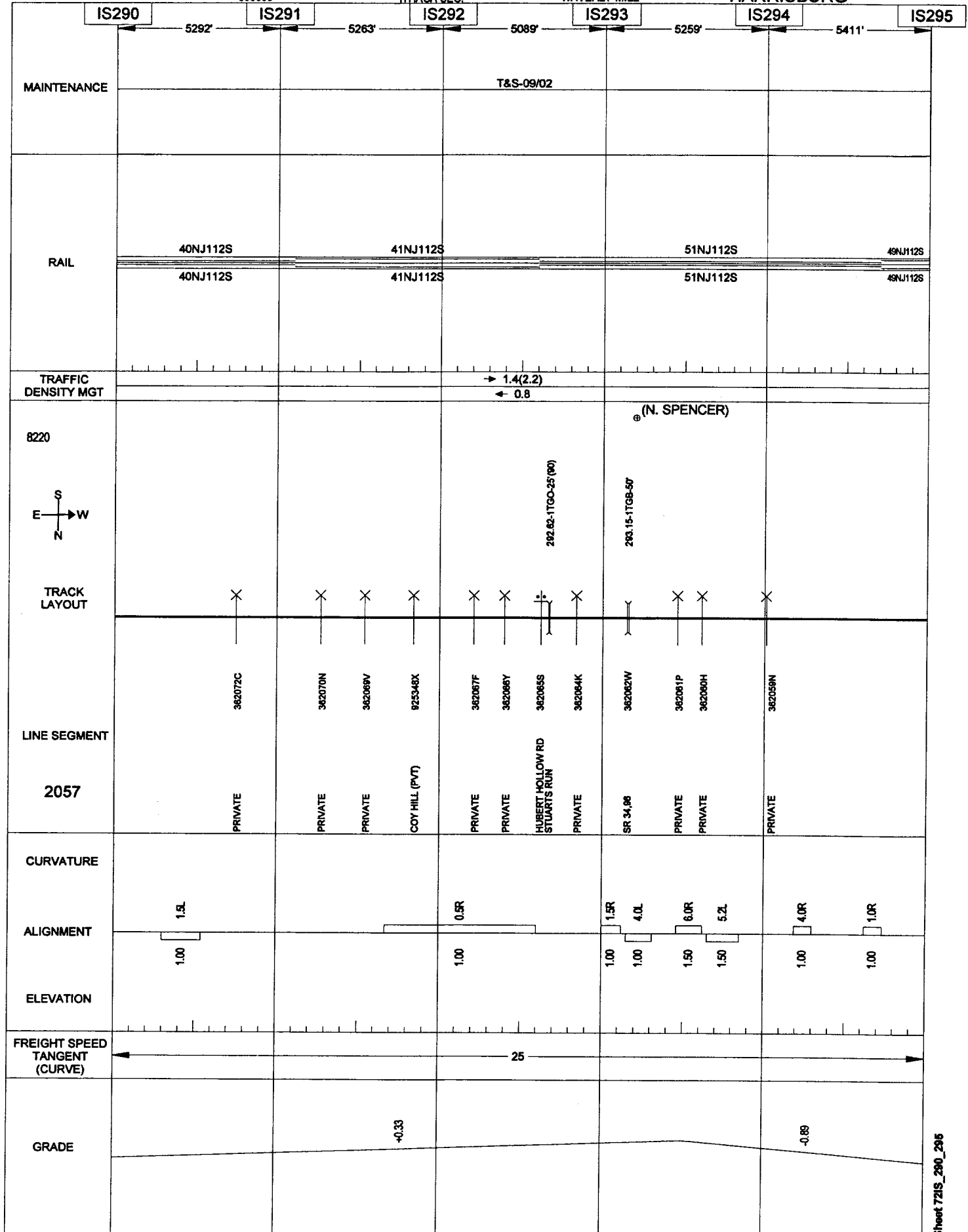
07/25/2007

300609

356  
ITHACA SEC.

WAVERLY-MILL

HARRISBURG



07/25/2007

300609

357  
ITHACA SEC.

WAVERLY-MILL

HARRISBURG

IS295

IS296

IS297

IS298

IS299

IS300

5187'

5442'

5124'

5275'

5285'

MAINTENANCE

T&amp;S-09/02

RAIL

49NJ112S

49NJ112S

03RWF132S

49NJ112S

TRAFFIC  
DENSITY MGT

→ 1.4(2.2)

← 0.8

(W. DANBY)

8220

TRACK  
LAYOUT

298.76-1TGO-37'(83)

297.01-1CSB-11'

298.01-1MAB-12'

298.21-1BSO-12'(82)

298.88-1MAB-12'

298.80-1TGO-85'(81)

298.91

LINE SEGMENT

2057

PRIVATE  
HILL VIEW RD

WALDING LN

INLET CREEK

PRIVATE  
INLET CREEK

STATION RD

PRIVATE

INLET CREEK

SNYDER RUN  
EMORY RDINLET CREEK  
BROWN EXTBROWN RD  
STRAITON CREEK

SR 94, 96

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

1.00

1.00

1.00

1.00

1.50

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

3.7R

4.2R

1.8L

4.1L

5.2R

3.0L

4.0L

1.3R

2.0L

2.0L

2.3R

4.8R

2.3R

3.0L

-0.88

-1.10

-1.62

25



07/25/2007

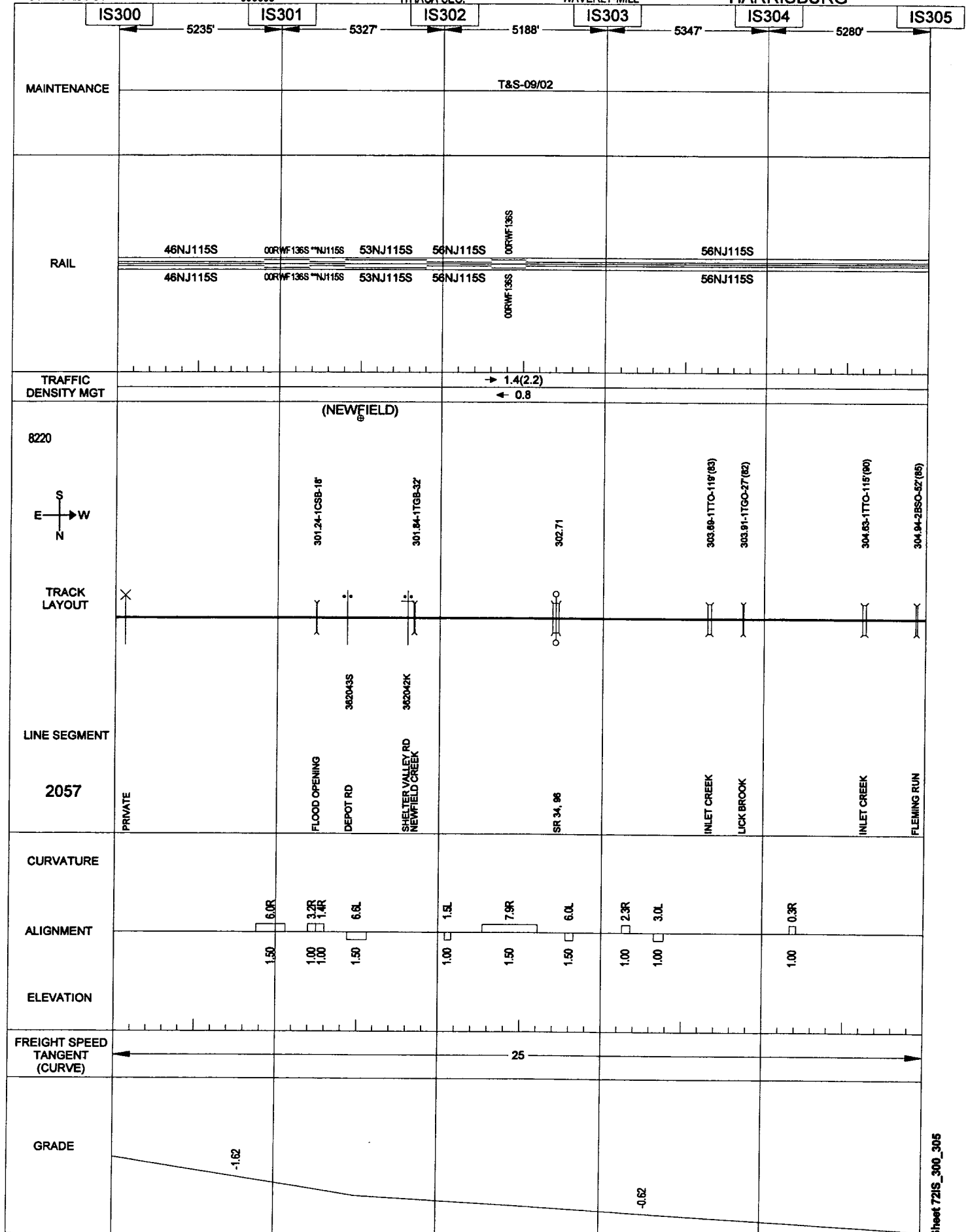
300609

358

ITHACA SEC.

WAVERLY-MILL

HARRISBURG





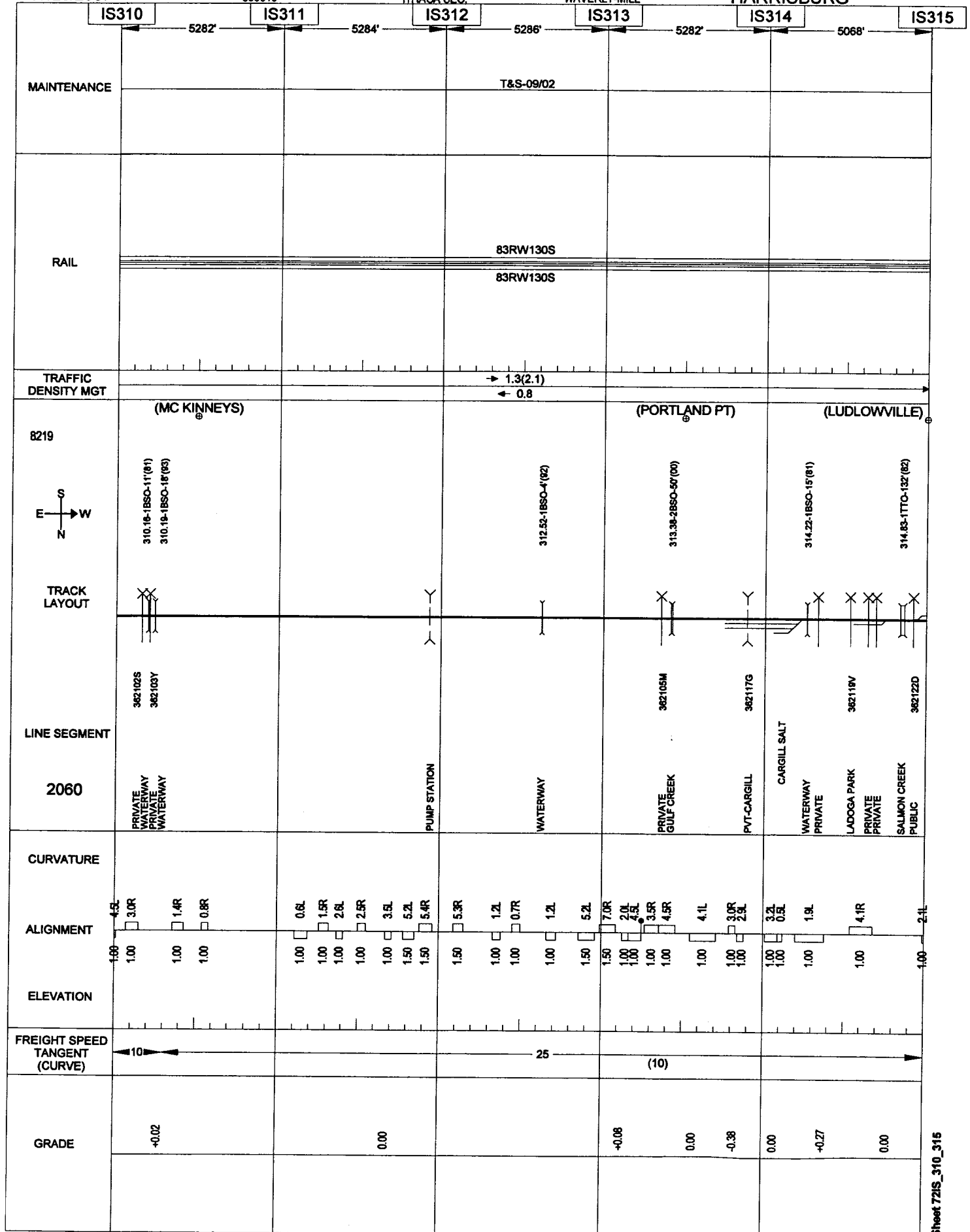
07/25/2007

300610

360  
ITHACA SEC.

WAVERLY-MILL

HARRISBURG



07/25/2007

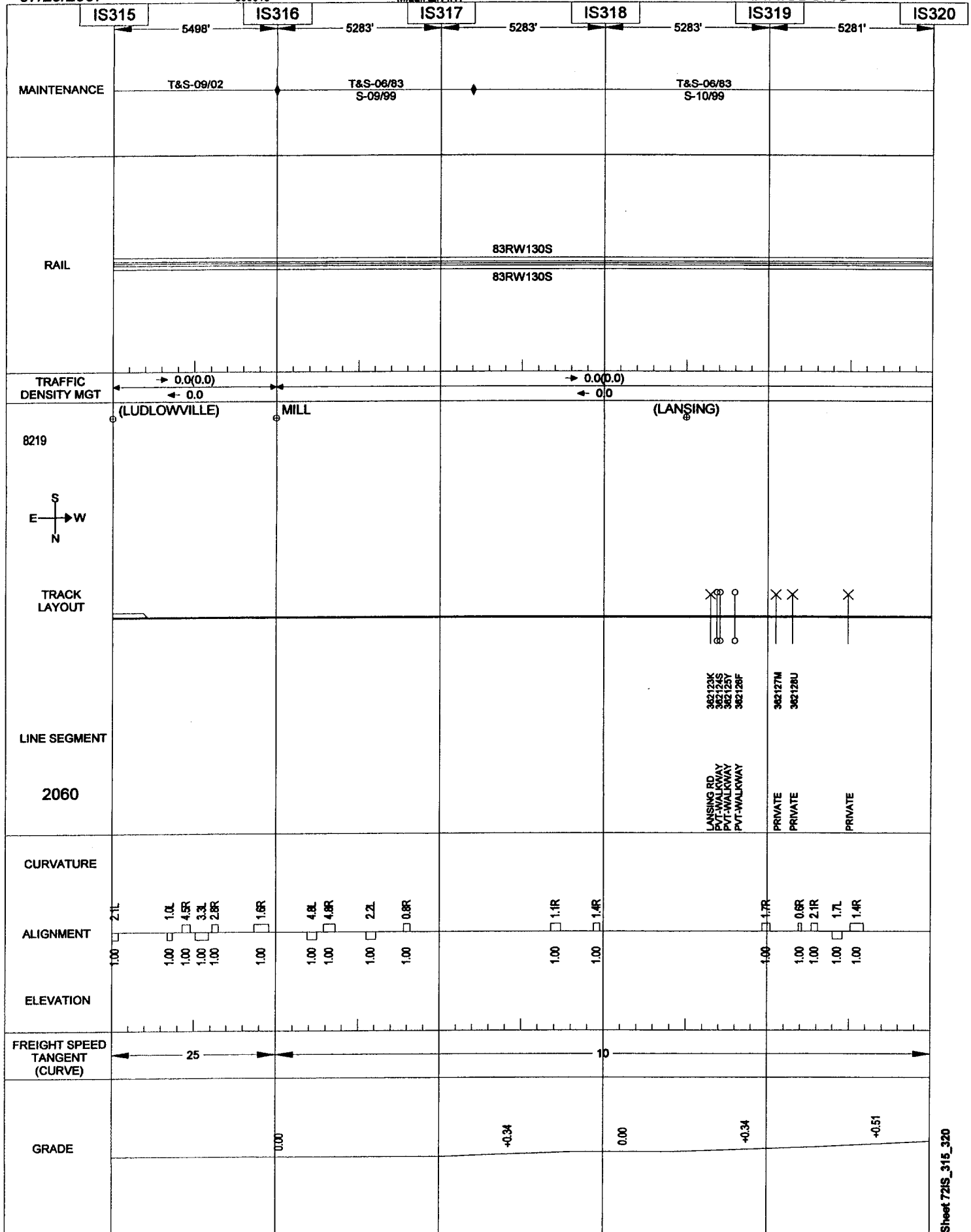
300610

361

MILLIKEN I.T.

MILL-MILLIKEN

HARRISBURG



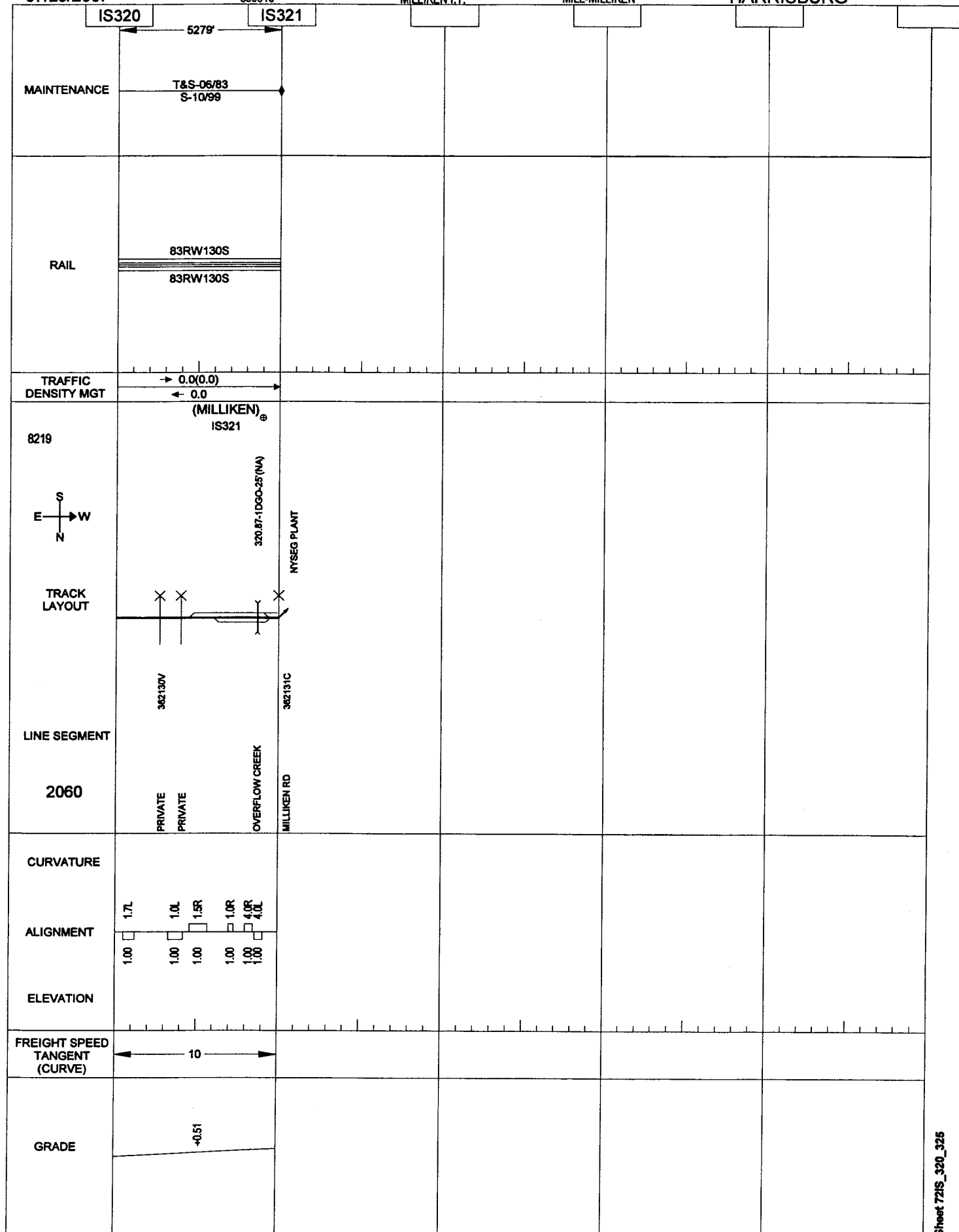
07/25/2007

300610

362  
MILLIKEN I.T.

MILL-MILLIKEN

HARRISBURG



07/25/2007

300618

363

LEHIGH SEC.

CROFT-CP WAVERLY

HARRISBURG

QR272

QR273

5280'

5280'

5280'

MAINTENANCE

T&amp;S-07/05

RAIL

04NWF132S

04NWF132S

04NWF132S

04NWF132S

TRAFFIC  
DENSITY MGT

1.0(2.7)

1.0(2.7)

1.7

1.7

RENA/CROFT

(SAYRE)

CP WAVERLY

8213  
8220TRACK  
LAYOUT

QR-271.80=RS-271.80

273.34-273B-280'

273.50  
QR-273.20=SR-254.93

LINE SEGMENT

2063

382747B

382744F

SPRING ST

BRADFORD ST

ST ROUTE 17

PENNA AVE

CURVATURE

ALIGNMENT

4.6L

1.00

4.5L

1.00

5.3L

1.00

3.0L

1.00

3.0R

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

10

GRADE

+0.38

+0.87

+0.67

+0.17

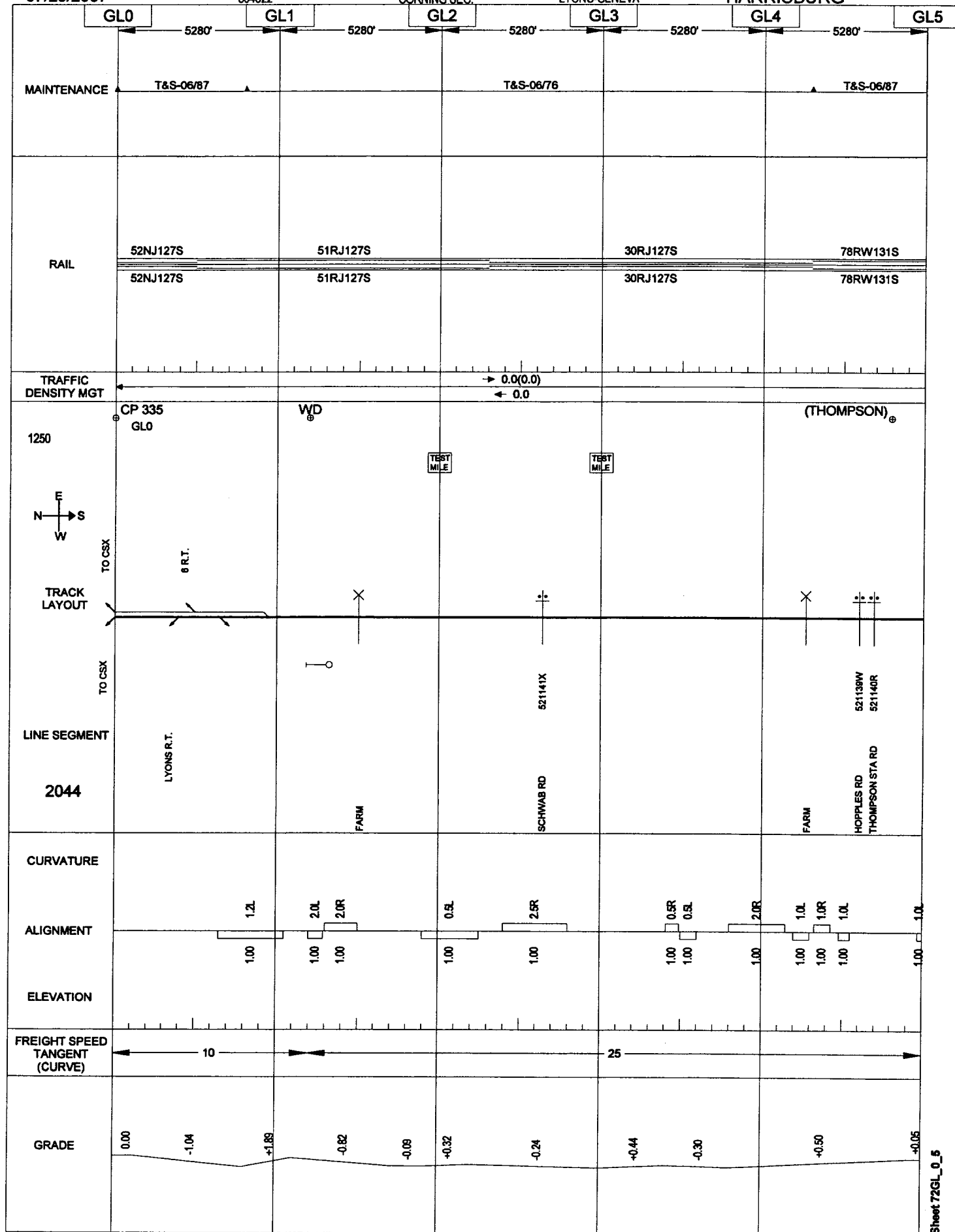
07/25/2007

304822

364  
CORNING SEC.

LYONS-GENEVA

HARRISBURG



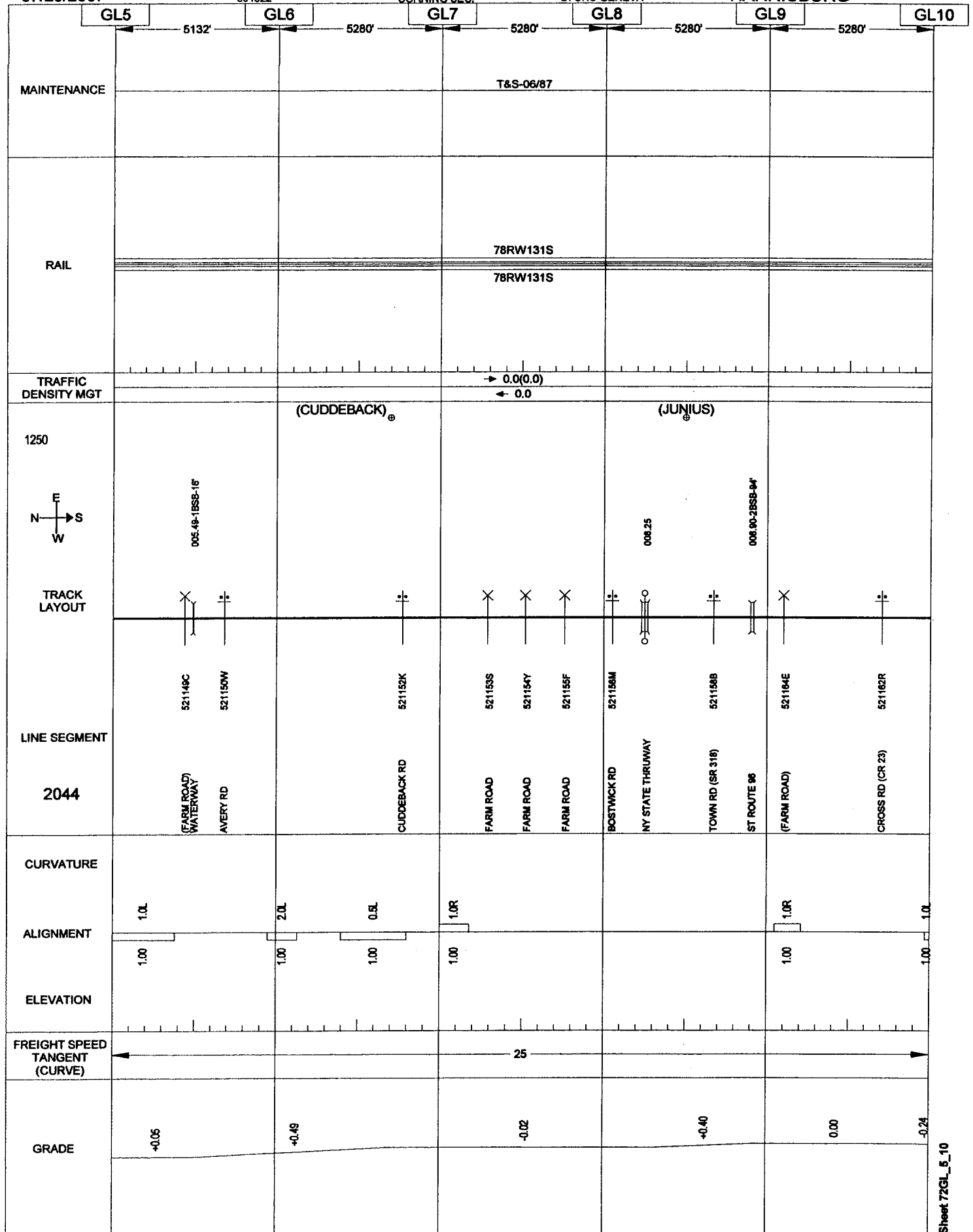
07/25/2007

304822

365  
CORNING SEC.

LYONS-GENEVA

HARRISBURG





07/25/2007

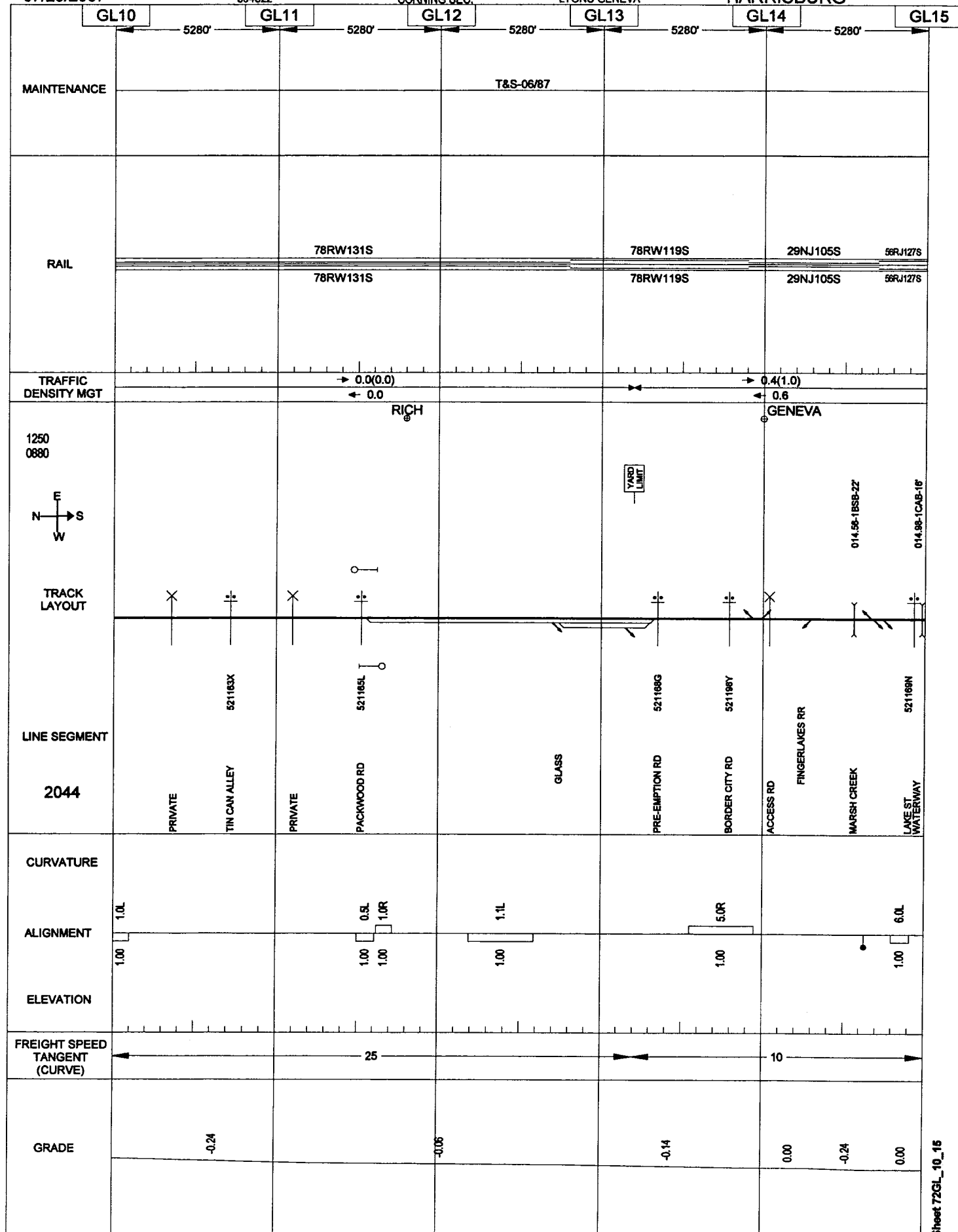
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366

CORNING SEC.

LYONS-GENEVA

HARRISBURG



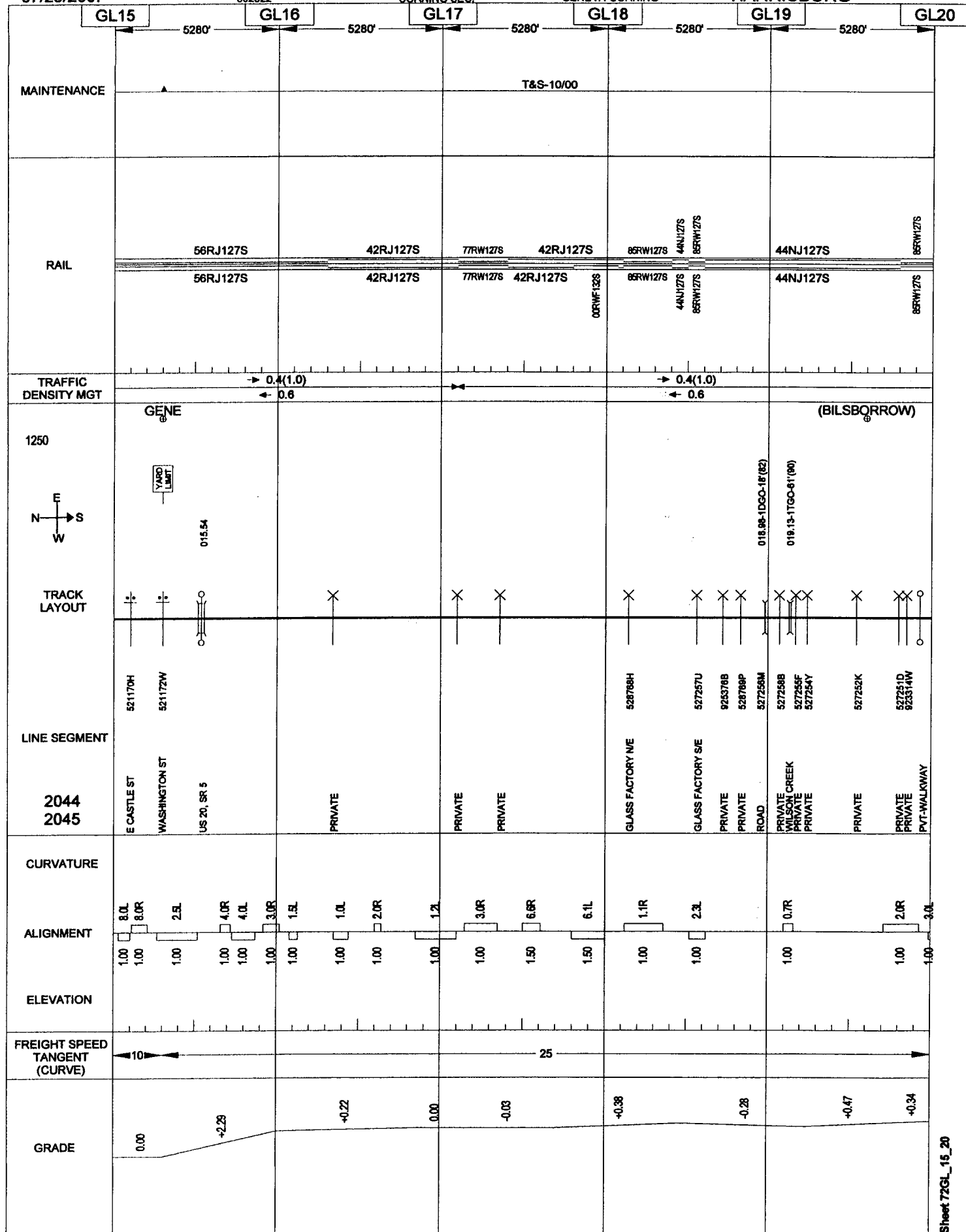
07/25/2007

302322

367  
CORNING SEC.

GENEVA-CORNING

HARRISBURG



07/25/2007

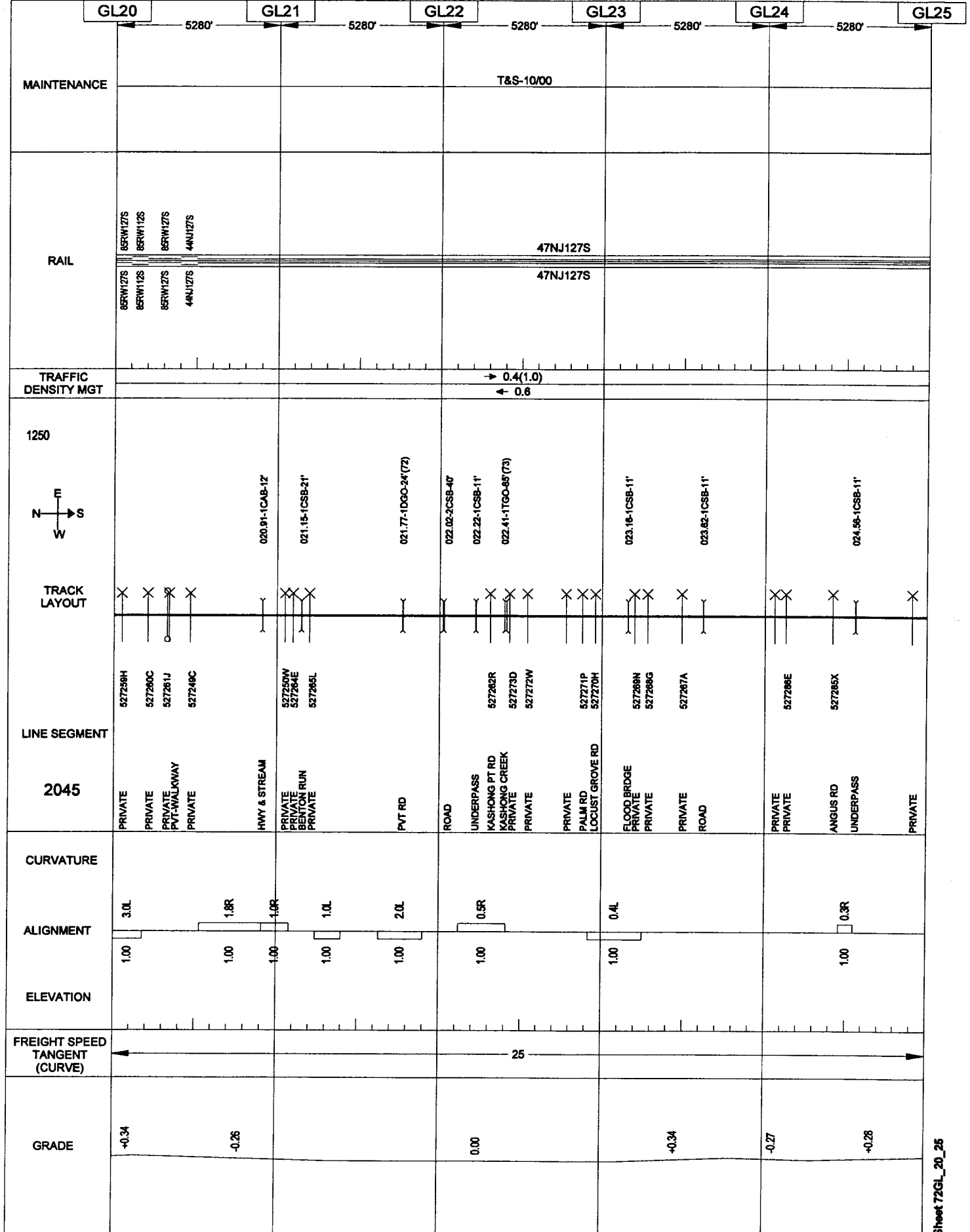
302322

368

CORNING SEC.

GENEVA-CORNING

HARRISBURG



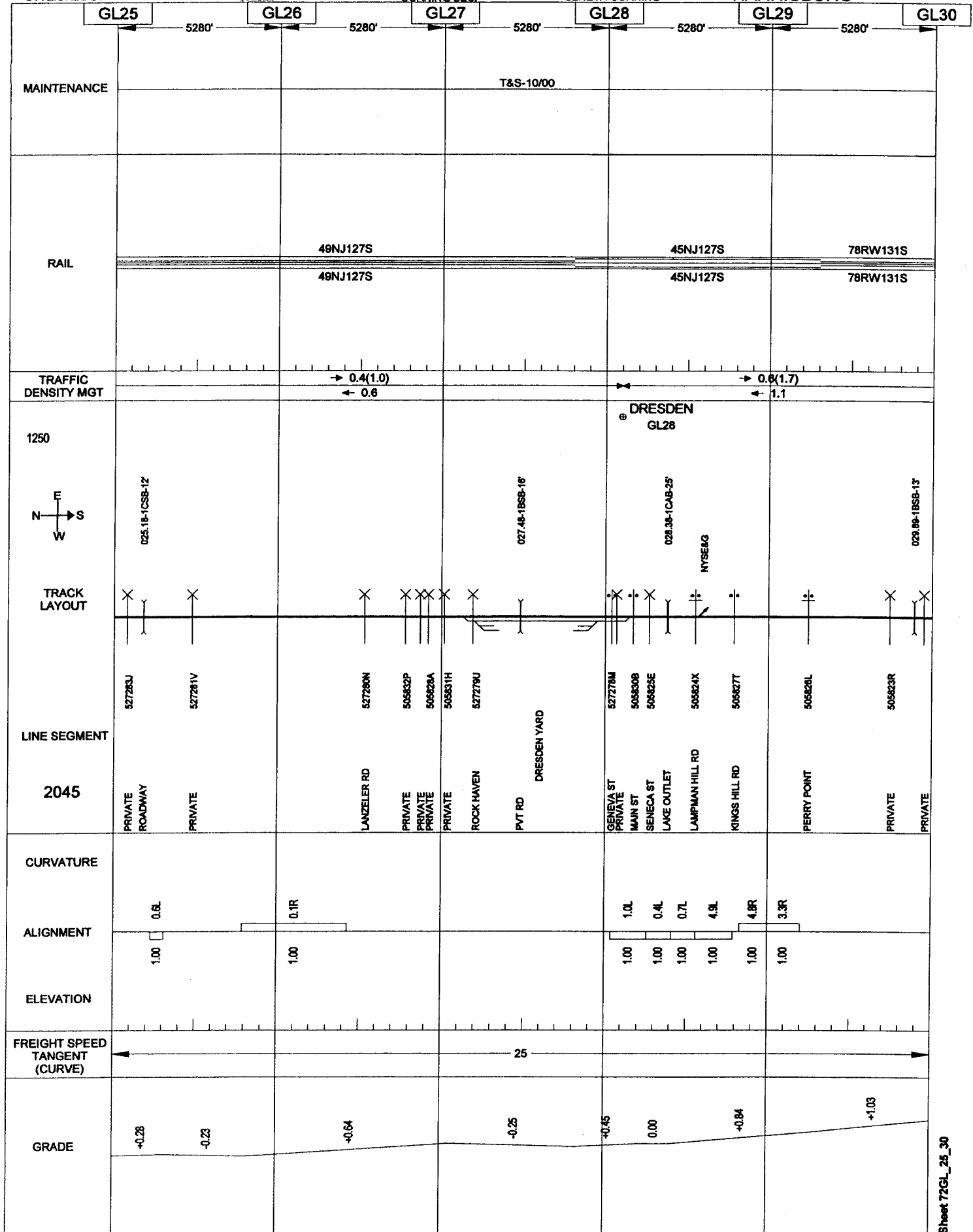
07/25/2007

302322

369  
CORNING SEC.

GENEVA-CORNING

HARRISBURG



07/25/2007

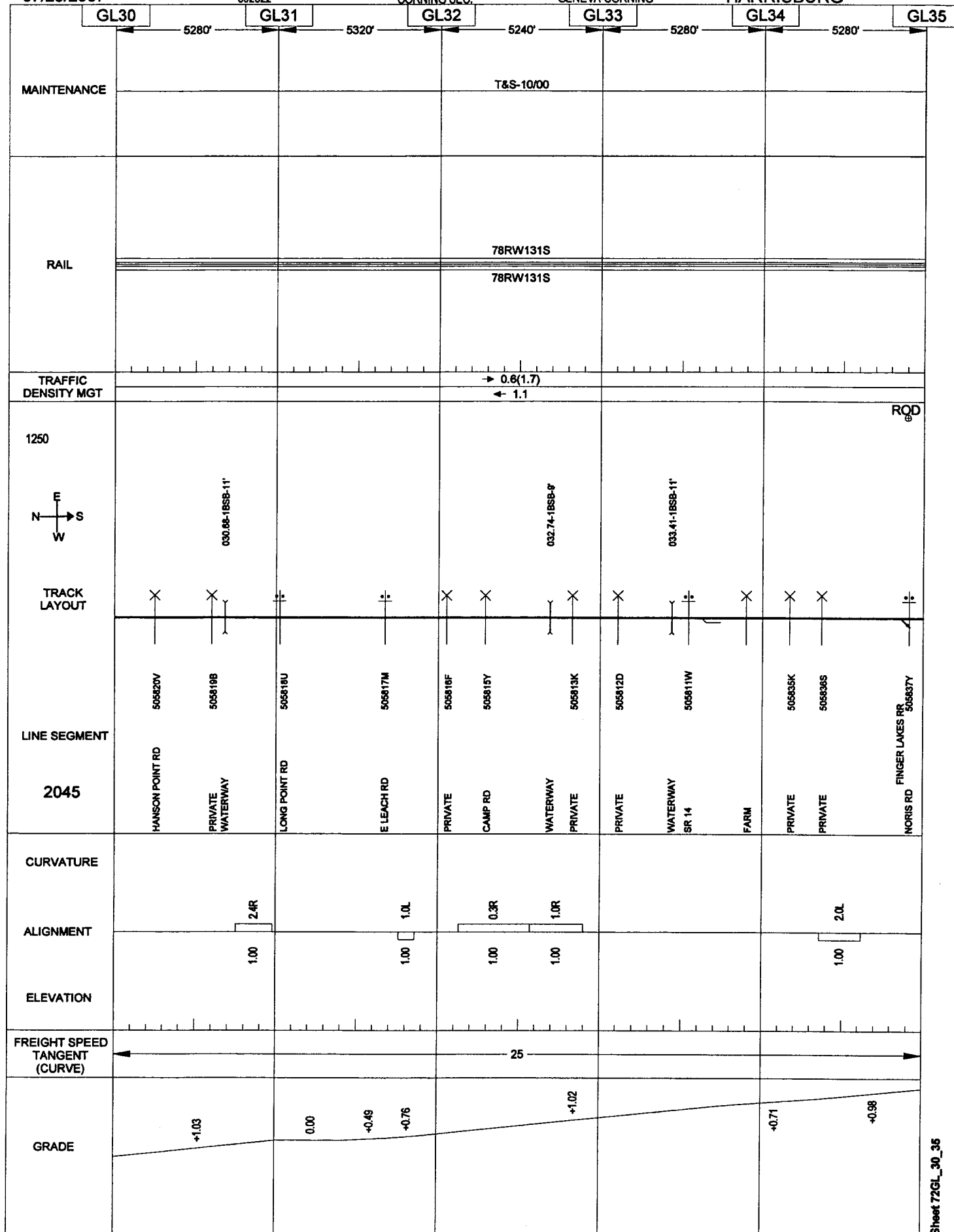
302322

370

CORNING SEC.

GENEVA-CORNING

HARRISBURG



07/25/2007

302322

371

CORNING SEC.

GENEVA-CORNING

HARRISBURG

GL35

GL36

GL37

GL38

GL39

GL40

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-10/00

RAIL

78RW131S

52NJ127S

53NJ127S

78RW131S

52NJ127S

53NJ127S

TRAFFIC  
DENSITY MGT

→ 0.8(1.7)

← 1.1

1250

HIMROD JCT  
87394

E  
N → S  
W

035.15-1TTC-126'  
035.25-1DGO-34'(90)  
035.33-1MAB-12'

036.14-1BSB-11'

TRACK  
LAYOUT

LINE SEGMENT

2045

FOLK RR  
HWY  
WATERWAY  
RICE HILL RD  
SOUTH ST

505839M  
505840G505841N  
505842V

505843C

505844X

505847E  
505848L

505849T

505851U

CATTLE PASS  
HIMRODS HILL RD

BEARDSLEY

LOG CITY RD  
PRIVATE

SHANNON CORNERS

SPLERS HWY

CURVATURE

ALIGNMENT

3.0R  
1.00

2.0L  
1.00

1.0L  
1.00

2.0R  
1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

-0.98

+1.01

-0.22

-0.27

07/25/2007

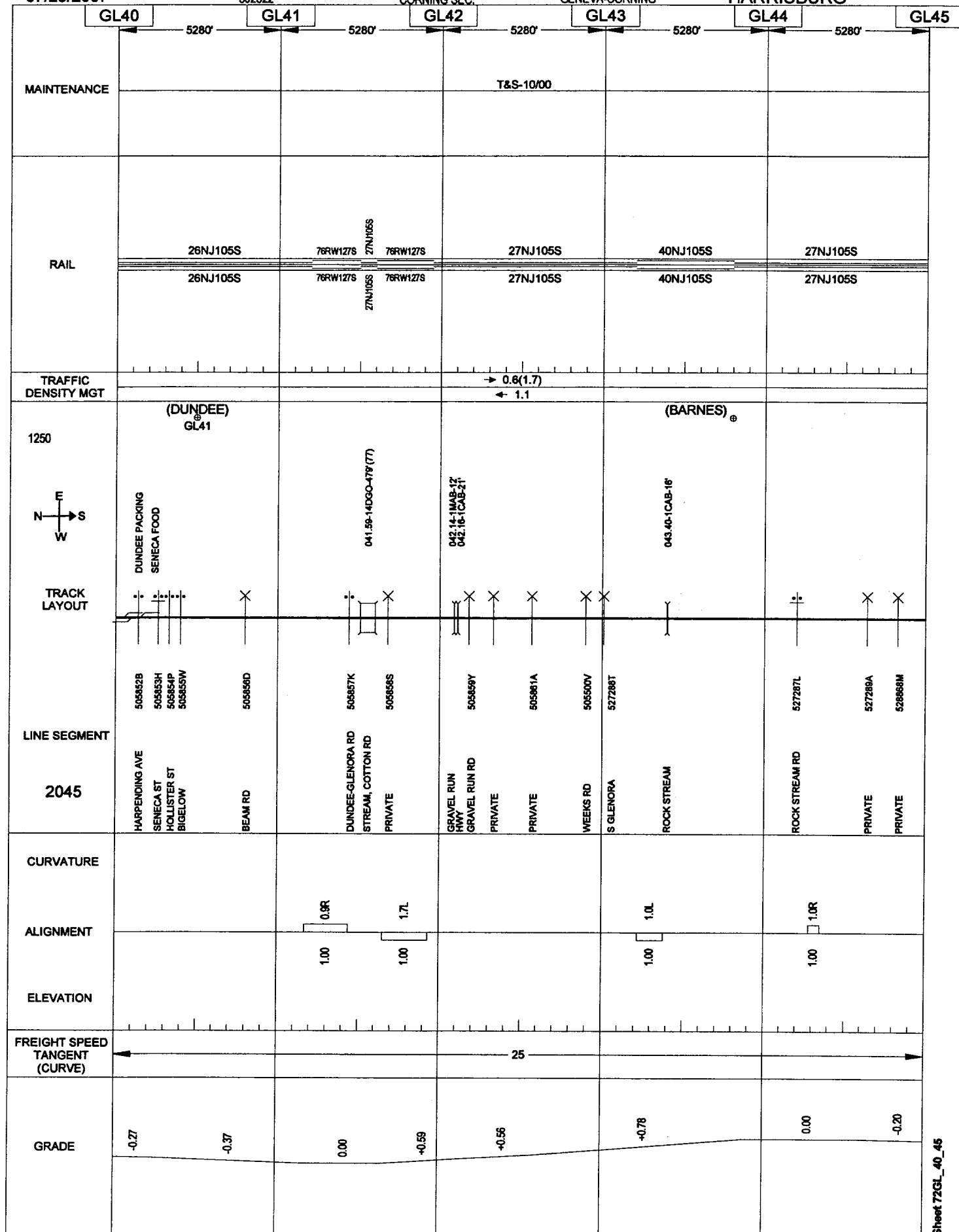
302322

372

CORNING SEC.

GENEVA-CORNING

HARRISBURG



## HARRISBURG

GL50

--	--

**T&S-10/00**

25NJ1059

25NJ1059

1.1

(READING CTR)  $\oplus$



047.70-18SB-48\*

048.00-1CBB-15'

49.76-1BSB-13'

## TRACK LAYOUT

**LINE SEGMENT**

2045

READING RD 528867F

CHASE RD 528866Y

SPENCERS RD  
528865S528884K  
NYE RD

RT 14A

**DDN/ATE**

ABRAMS RD  
528882WSCHOOL HOUSE RD  
528859N

**CATTLE PASS**

## CURVATURE

## ALIGNMENT

### ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

- 25

**GRADE**

-0.20

**-0.36**

-0.20

0.24

0.00

**+0.65**

0.25

0.46



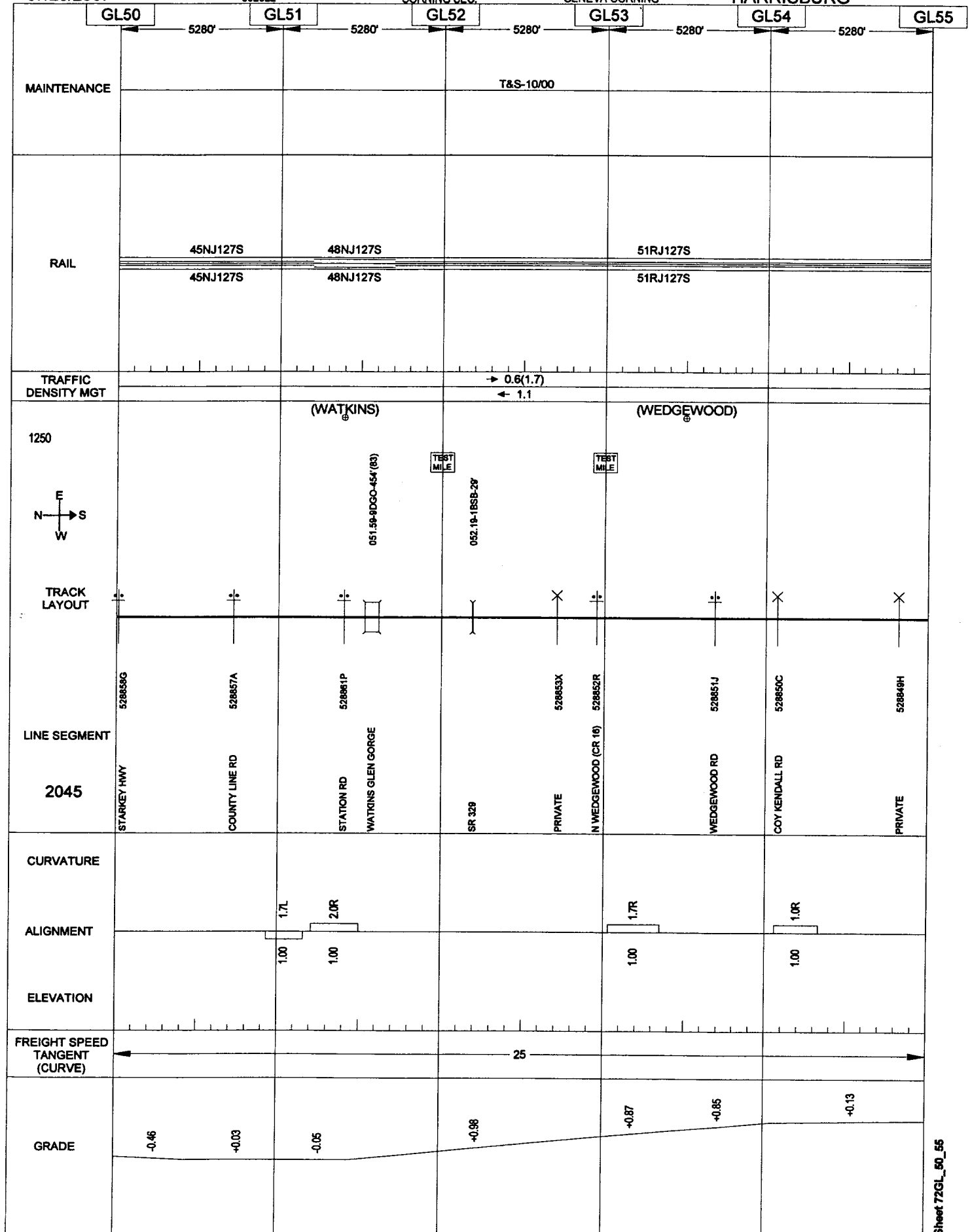
07/25/2007

302322

374  
CORNING SEC.

GENEVA-CORNING

HARRISBURG



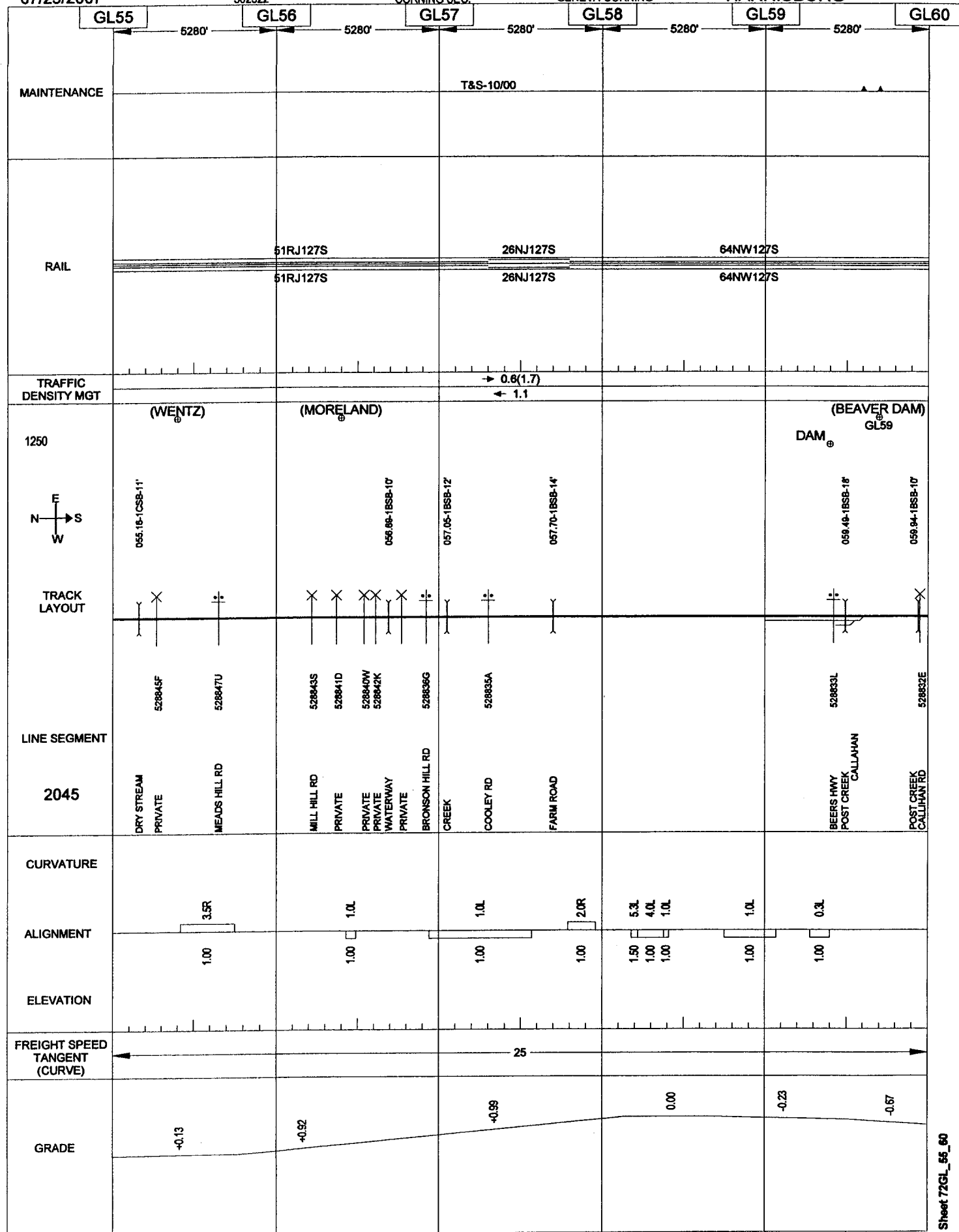
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302322

375  
CORNING SEC.

GENEVA-CORNING

HARRISBURG



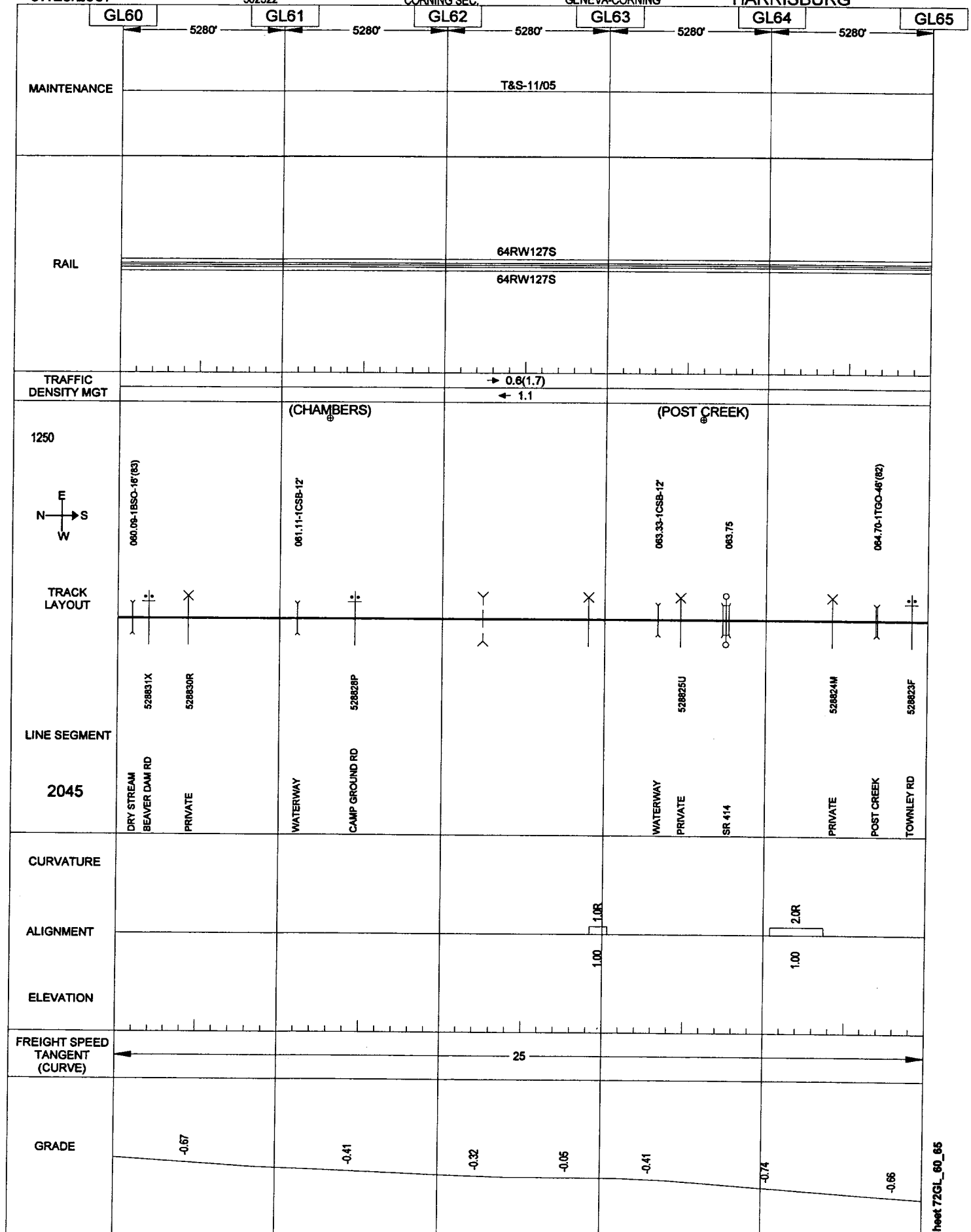
07/25/2007

302322

376  
CORNING SEC.

GENEVA-CORNING

HARRISBURG



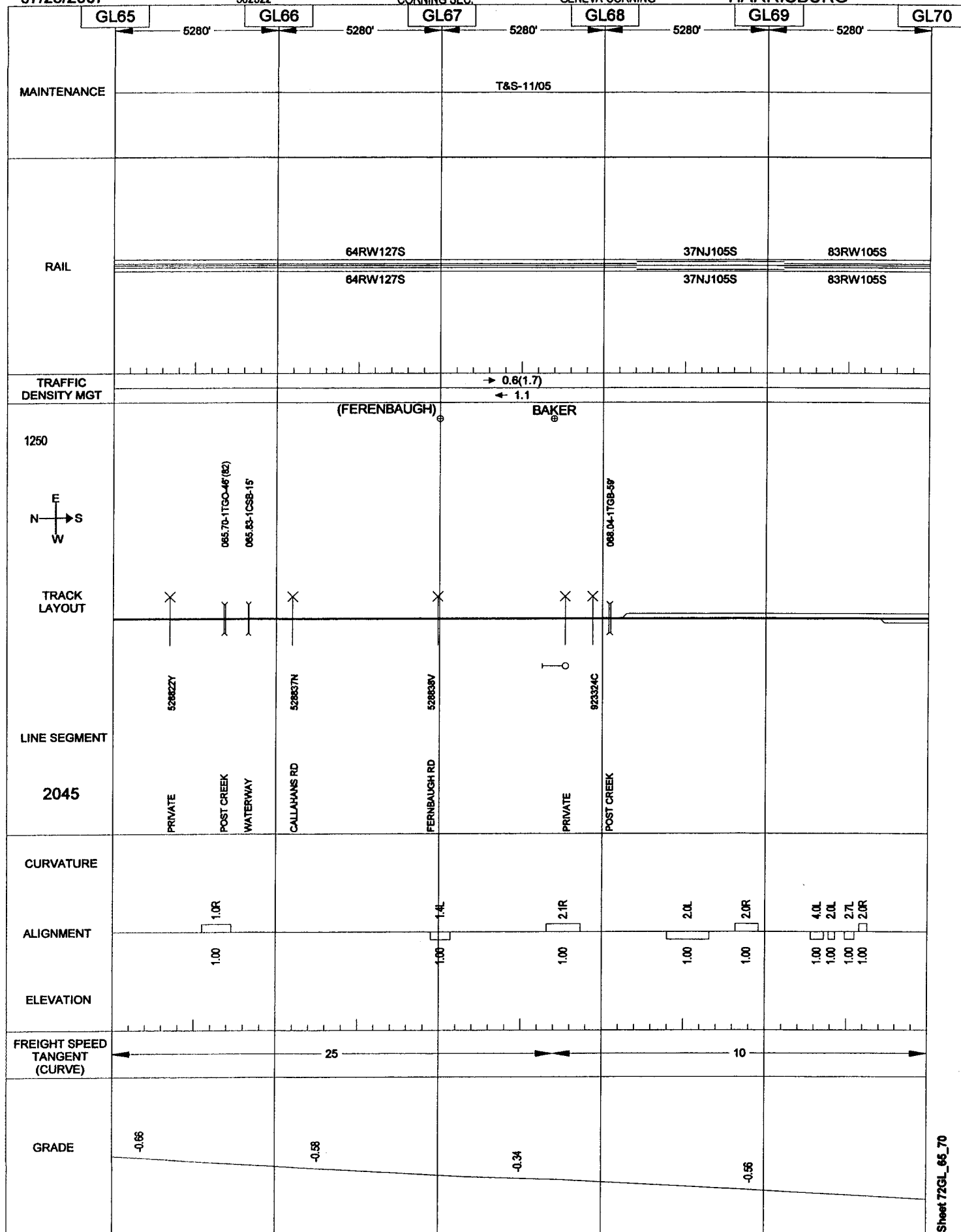
07/25/2007

302322

377  
CORNING SEC.

GENEVA-CORNING

HARRISBURG



07/25/2007

302322

378

CORNING SEC.

GENEVA-CORNING

HARRISBURG

GL70

5168'

MAINTENANCE

T&amp;S-11/05

RAIL

83RW105S 79RW132S

21N105S

83RW105S 79RW132S

21N105S

TRAFFIC  
DENSITY MGT

→ 0.6(1.7)

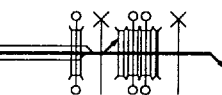
← 1.1

CP GIBSON<sup>®</sup>CP CORNING<sup>®</sup>

1250

TRACK  
LAYOUT

070.46  
GL-70.77/SR-280.35  
070.65-1TGB-125'  
070.69  
070.73  
070.76-1TGB-45'



LINE SEGMENT

2045

HIGH ST  
PRIVATE  
POST CREEK  
SR 14  
SR 17  
BAKER ST  
PRIVATE

GL-70.90-SR-280.85

CURVATURE

ALIGNMENT

1.5L

4.0L

8.0R

1.00

1.00

1.50

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.56

-0.72

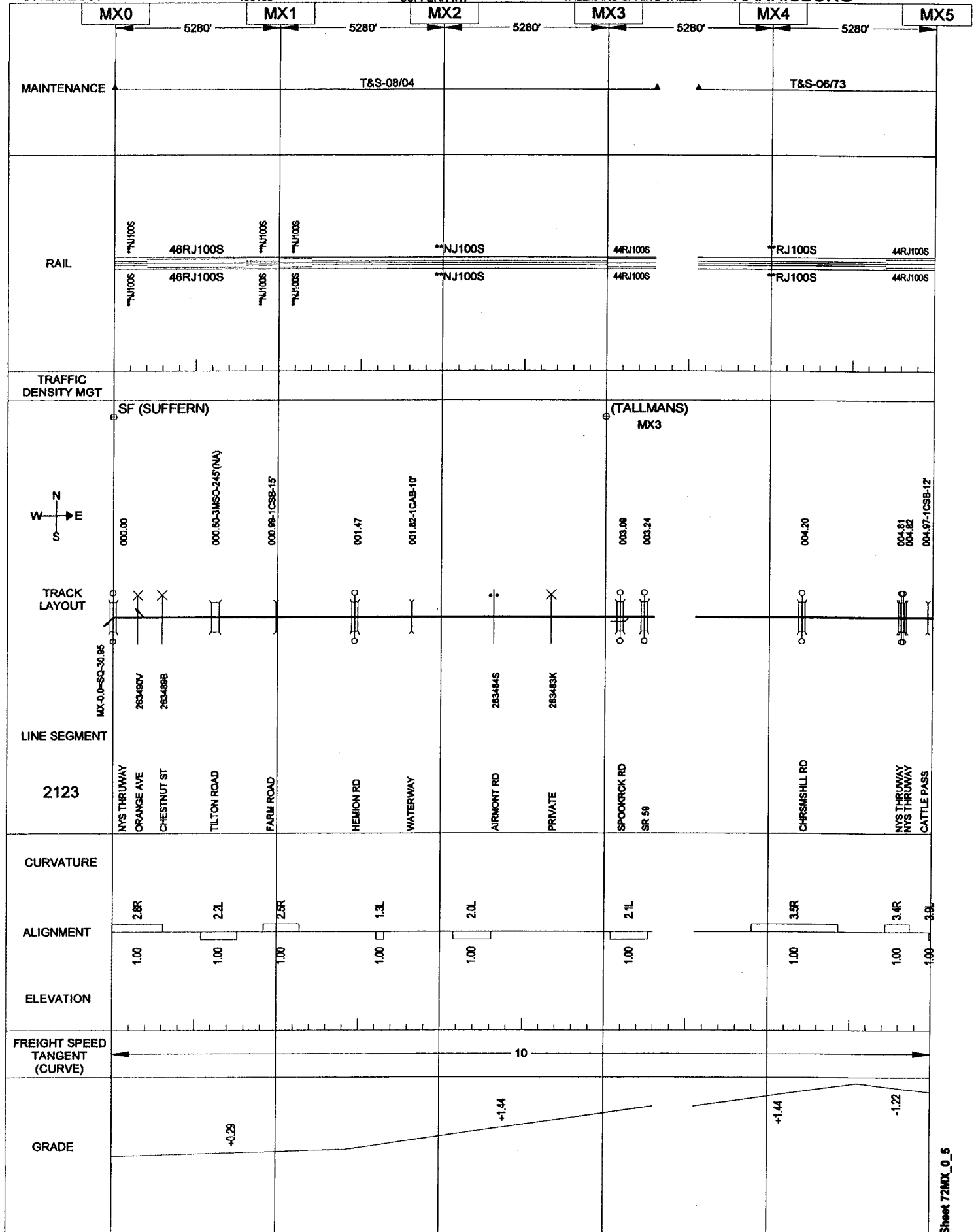
07/25/2007

106165

379  
SUFFERN I.T.

TALLMANS-SPRING VALLEY

HARRISBURG



07/25/2007

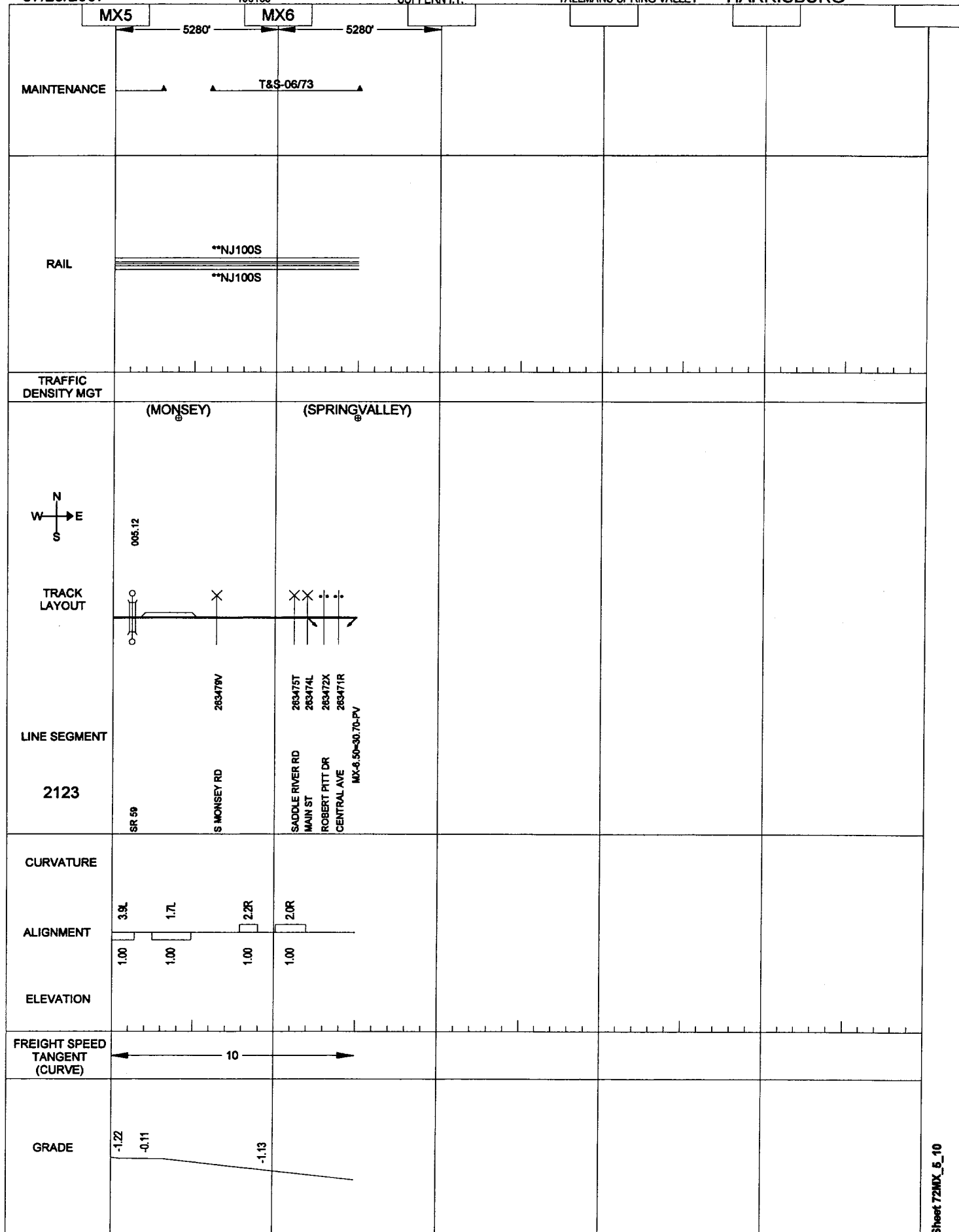
106165

380

SUFFERN I.T.

TALLMANS-SPRING VALLEY

HARRISBURG



07/25/2007

306102

381

HARRIMAN I.T.

NEWBURG JCT-HARRIMAN

HARRISBURG

ZU45

5280'

MAINTENANCE

T&amp;S-06/81

RAIL

42NJ112S

42NJ112S

38NJ112S  
38NJ112STRAFFIC  
DENSITY MGT

→ 0.0(0.0)

← 0.0

(HARRIMAN)®

ZU46

8323

S  
E → W  
N

ZU-45.00-US-45.00

TRACK  
LAYOUT

LINE SEGMENT

2909

ZU-45.600-US-45.39

CURVATURE

ALIGNMENT

1.6L

1.00

1.0L

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00



07/25/2007

300101

382

HUDSON SEC.

HUDSON JCT-WARWICK

HARRISBURG

LX2

1584'

LX3

5280'

LX4

5280'

LX5

MAINTENANCE

T&amp;S-07/99

RAIL

63RJ112S

49RJ115S

63RJ112S

49RJ115S

TRAFFIC  
DENSITY MGT

→ 0.1(0.1)

← 0.0

8291

TRACK  
LAYOUT

LINE SEGMENT

2546

CP HUDSON JCT-HJ

(GIRARDE)  
LX4

(HAMPTONBURG)

004.98

LX-2.12~JS-43.26

GIRARDE-S WELLS-CR 8 881200K

PRIVATE 925125G 881201S

HAMPTONBURG RD RIDGE RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

25

GRADE

0.00

+0.79

+0.12

+0.14

Sheet 72LX\_0\_5

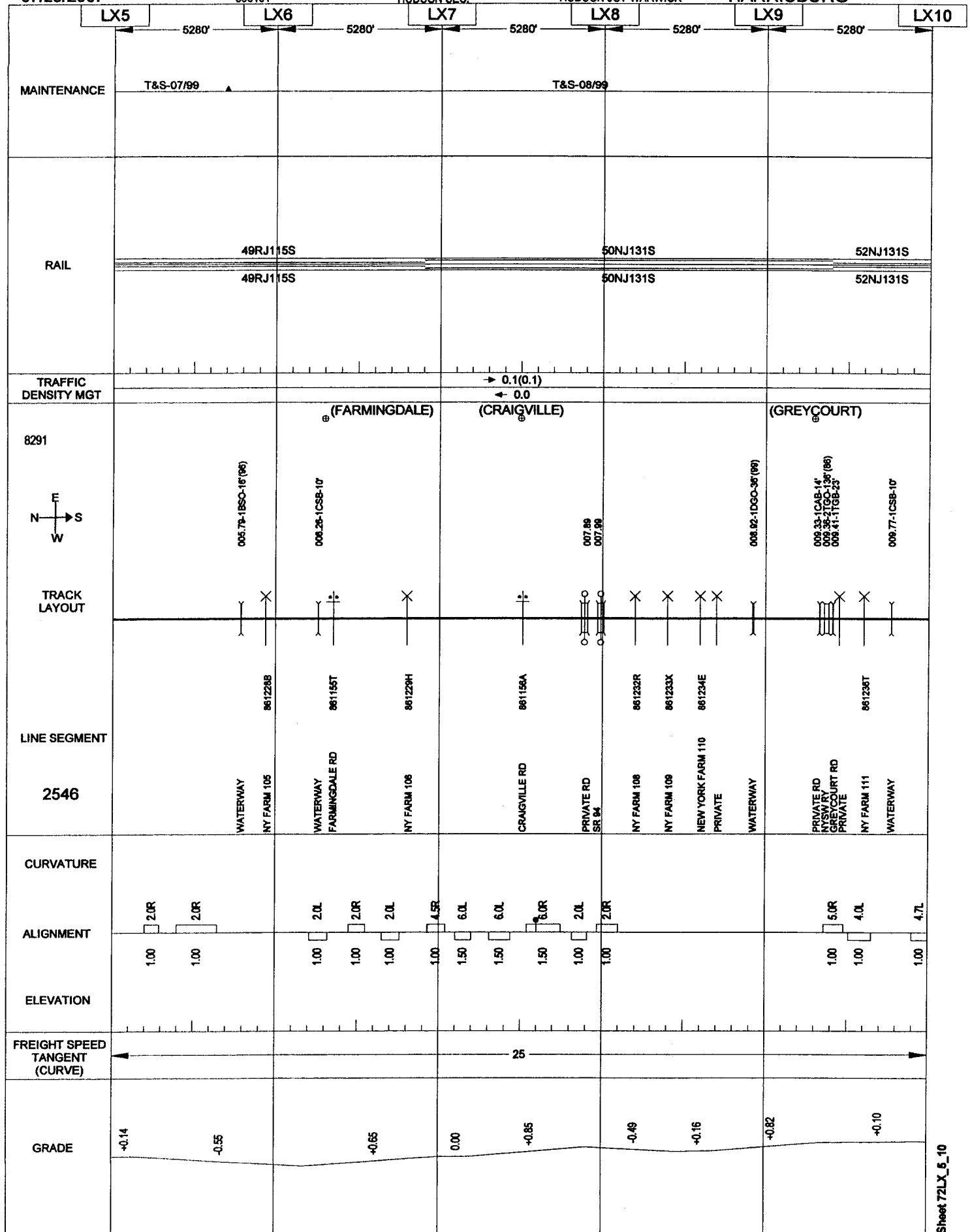
07/25/2007

300101

383  
HUDSON SEC.

HUDSON JCT-WARWICK

HARRISBURG



07/25/2007

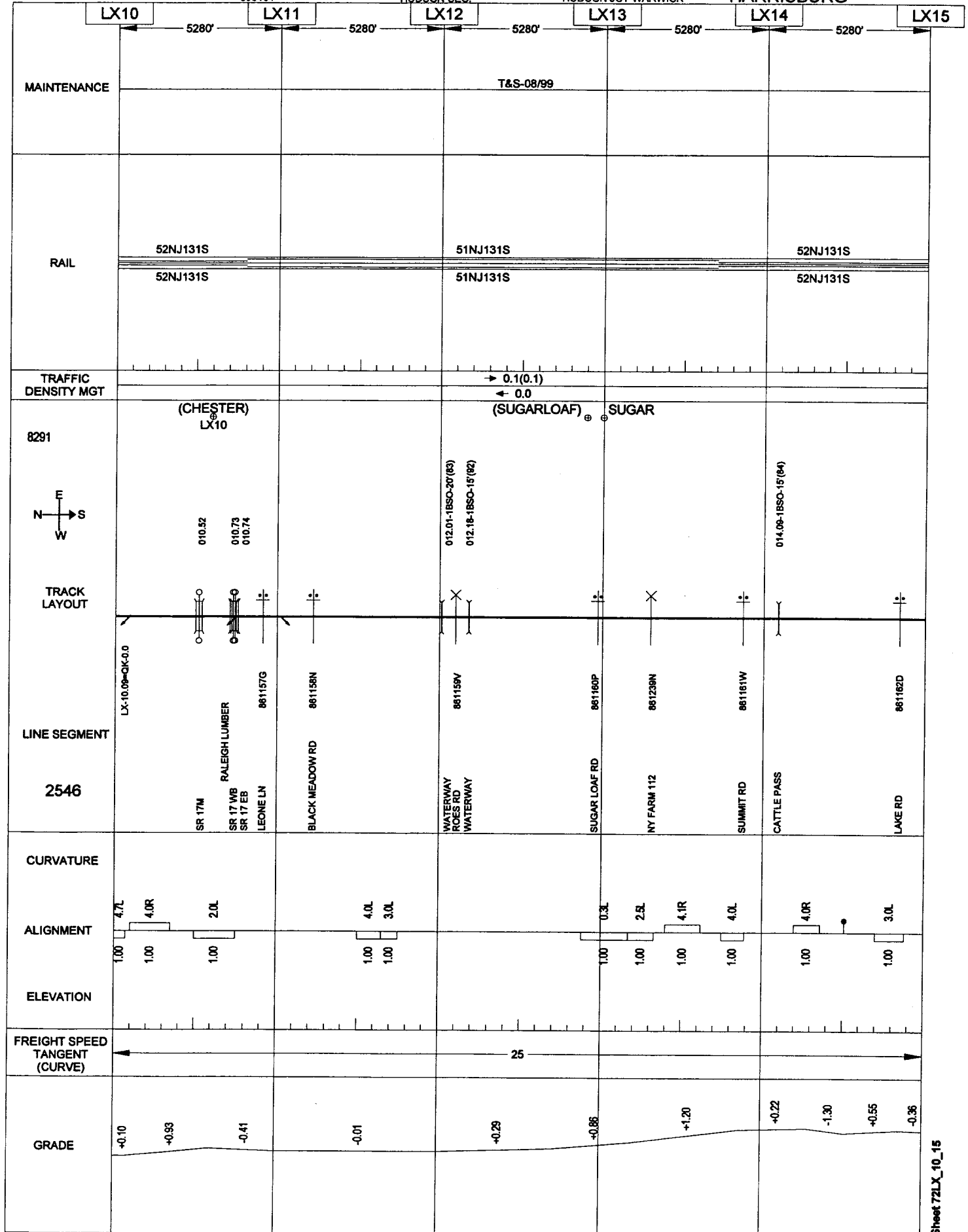
300101

384

HUDSON SEC.

HUDSON JCT-WARWICK

HARRISBURG



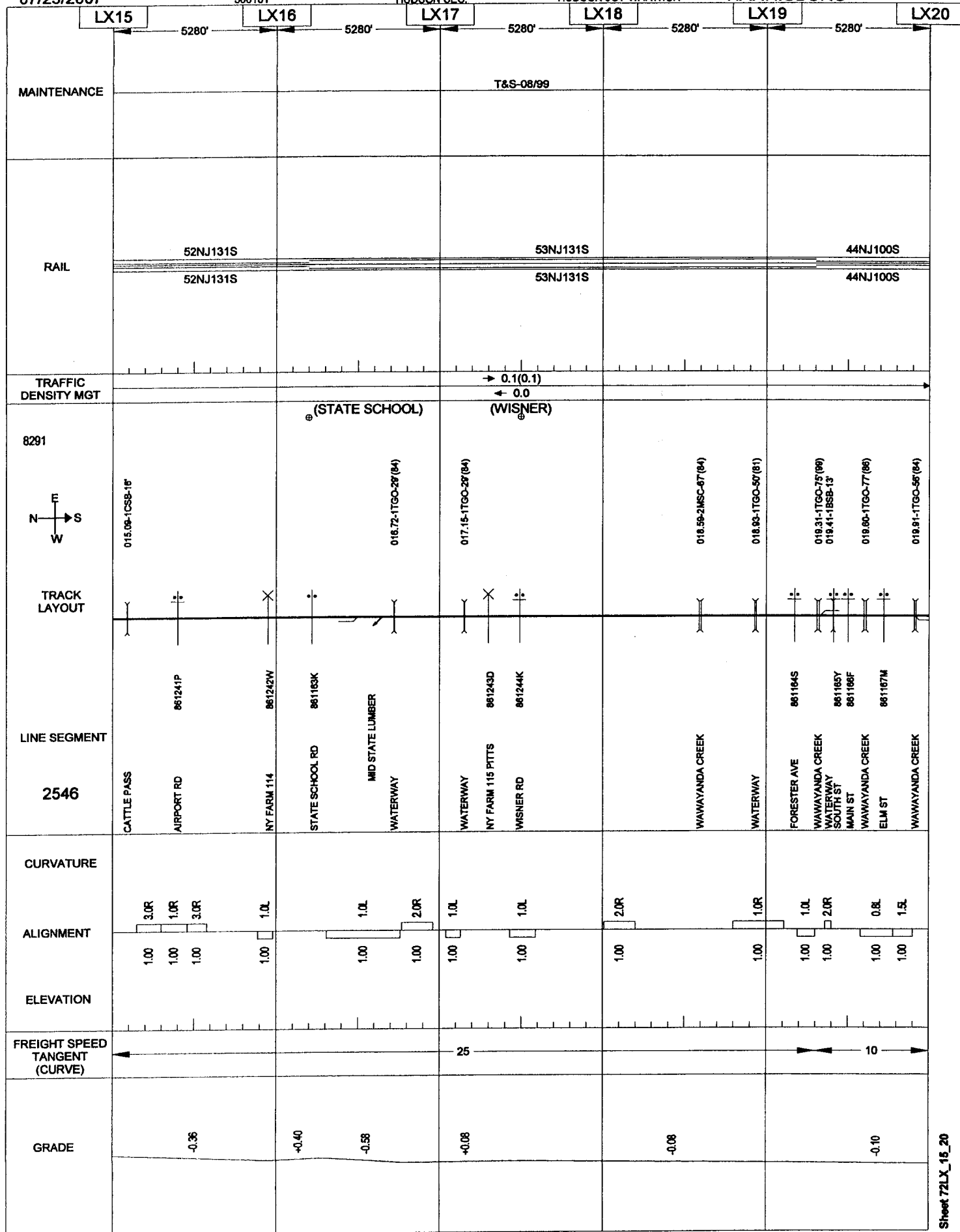
07/25/2007

300101

385  
HUDSON SEC.

HUDSON JCT-WARWICK

HARRISBURG



07/25/2007

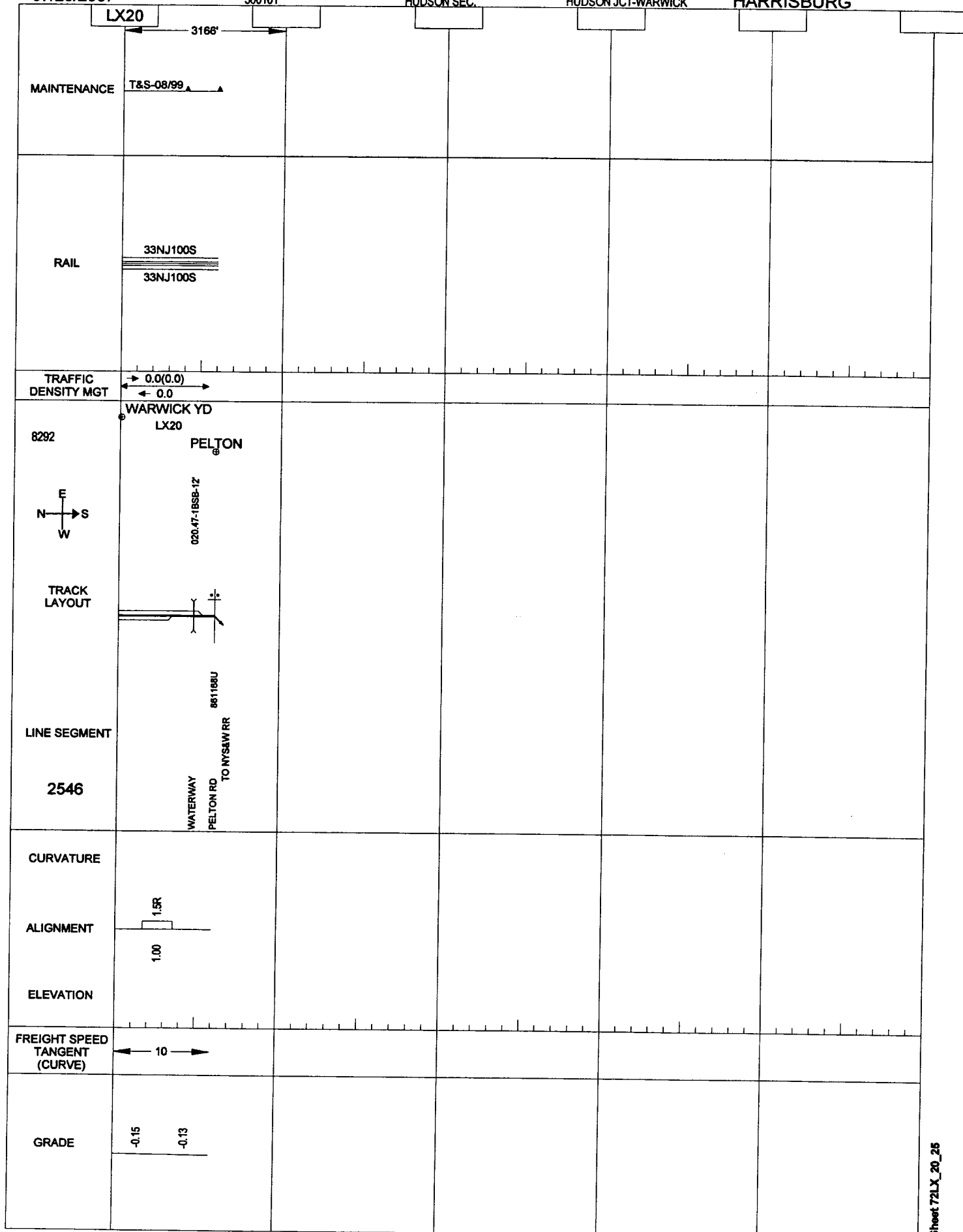
300101

386

HUDSON SEC.

HUDSON JCT-WARWICK

HARRISBURG



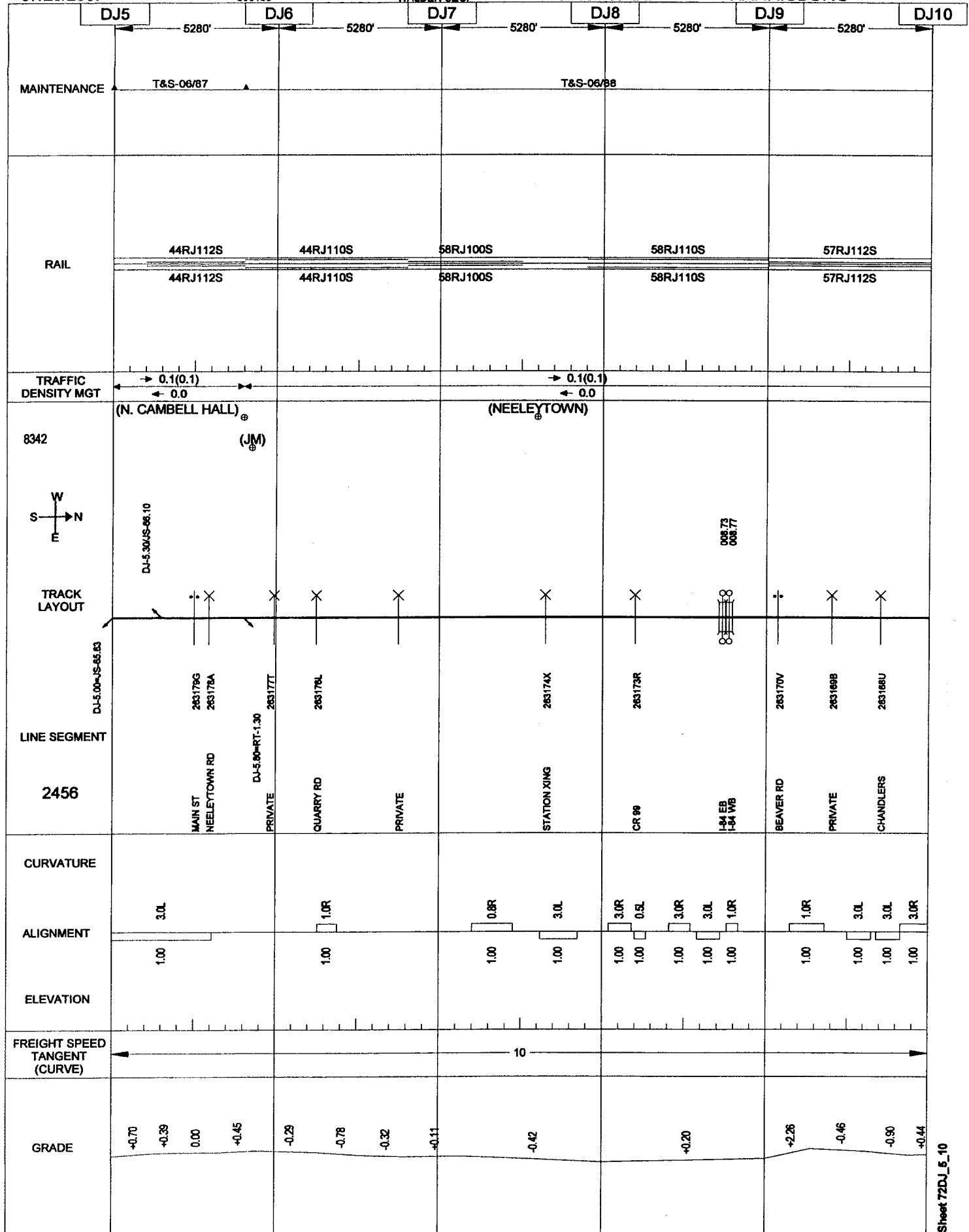
07/25/2007

306183

387  
WALDEN SEC.

JM-MONTGOMERY

HARRISBURG



07/25/2007

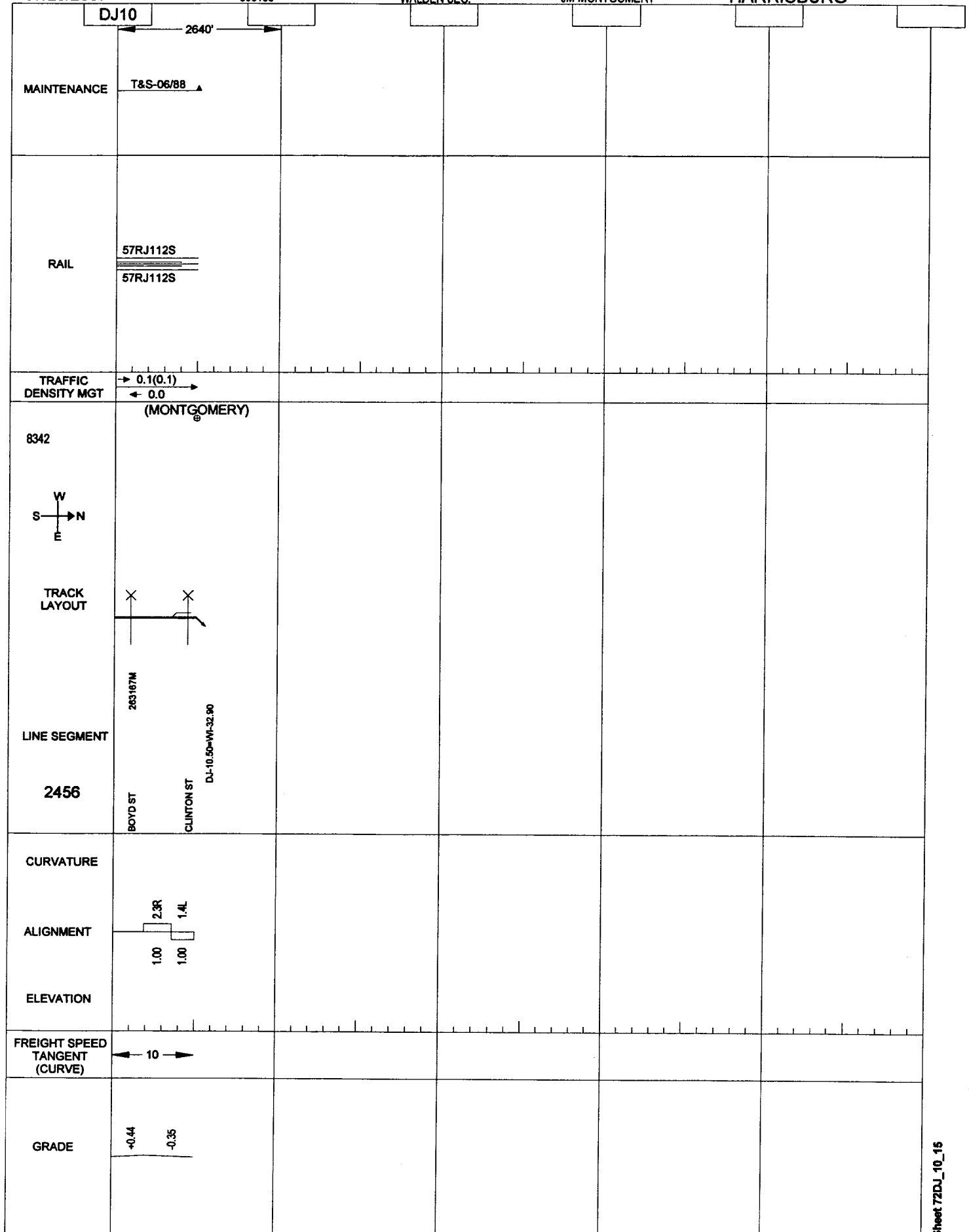
306183

388

WALDEN SEC.

JM-MONTGOMERY

HARRISBURG



07/25/2007

301435

389  
WALDEN SEC.

WALDEN-MONTGOMERY

HARRISBURG

WI30

5280'

T&amp;S-06/77

MAINTENANCE

RAIL

24NJ105S	53NJ127S
24NJ105S	53NJ127S

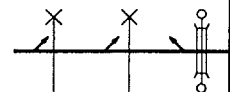
TRAFFIC  
DENSITY MGT

1170

TRACK  
LAYOUT

INTST. PKG.

029.89



528511R

528512X

LINE SEGMENT

2864

GRANT ST

COLDENHAM RD

RTE 208

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+1.07

-0.23



07/25/2007

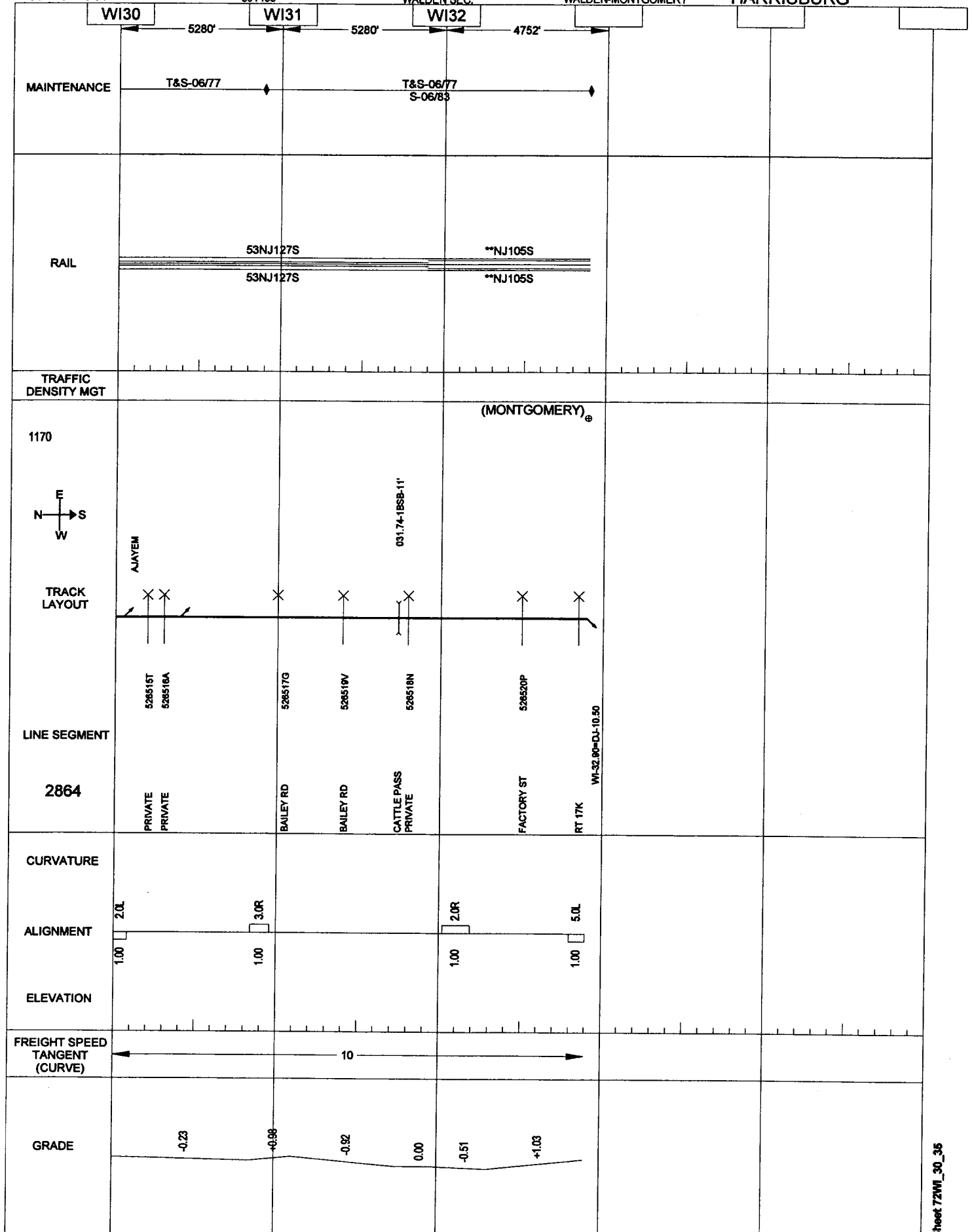
301435

390

WALDEN SEC.

WALDEN-MONTGOMERY

HARRISBURG



07/25/2007

304223

391

MAYBROOK I.T.

CAMPBELL HALL-MAYBROOK

HARRISBURG

RT2

RT3

RT4

RT5

3696'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-06/87

T&amp;S-06/81

T&amp;S-06/87

RAIL

28NJ107S

28NJ107S

TRAFFIC  
DENSITY MGT

(CAMPBELL HALL)

(HUDSON JCT)

CP HALL

9583

(WALDEN JCT)

RT4

TRACK  
LAYOUT

002.68-1MAB-12'

003.72

LINE SEGMENT

2615

RT-1.30-DJ-S.80

GARDEN ST  
PARKER AVE

WATERWAY

SMITH ST  
FARM RD  
FARM RD

SR 208

HUDSON SEC.

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

-0.25

0.00

-0.70

0.00

-0.63

-0.79

-0.50

-0.34

07/25/2007

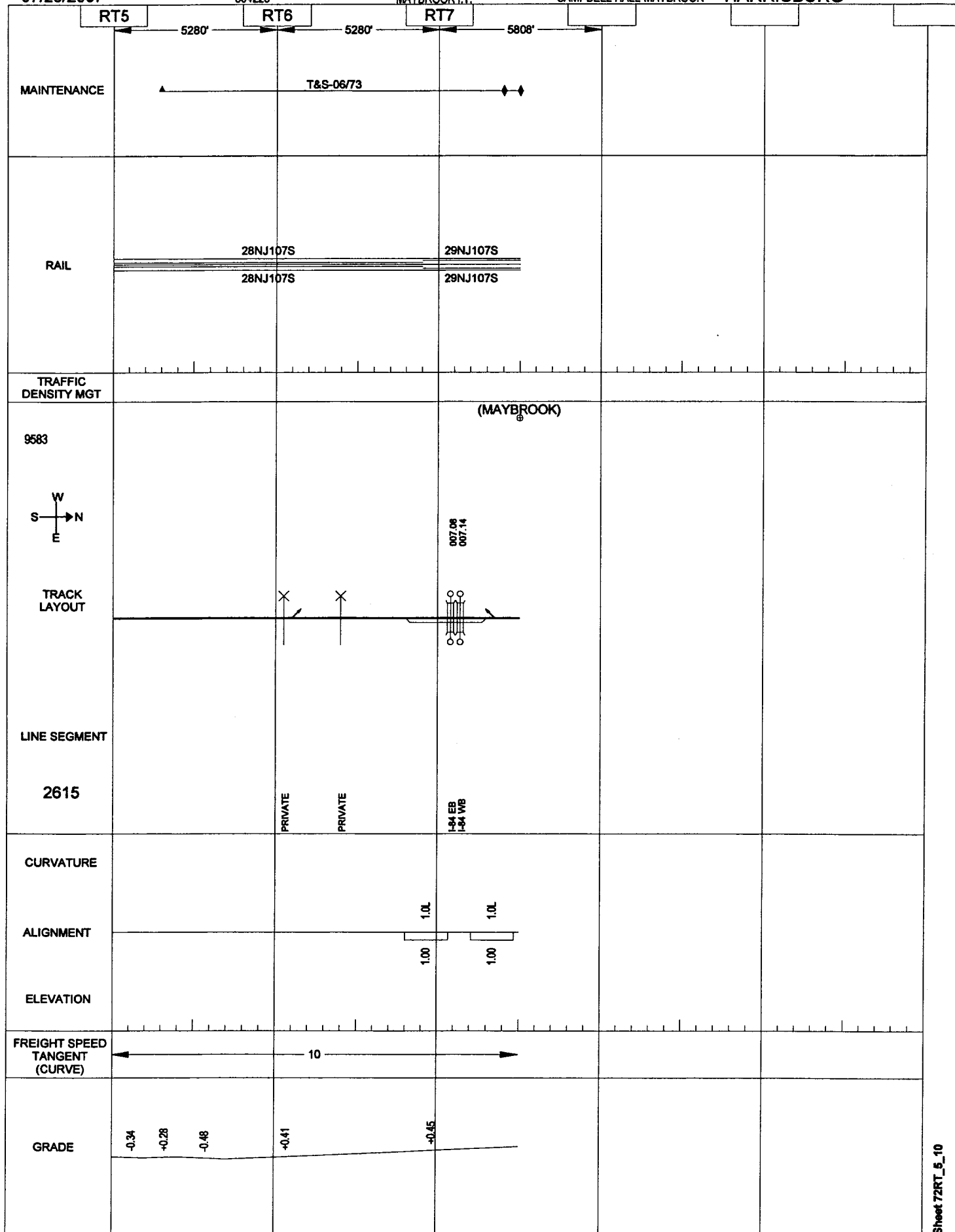
304223

392

MAYBROOK I.T.

CAMPBELL HALL-MAYBROOK

HARRISBURG



07/25/2007

306184

393  
CRAWFORD I.T.

MIDDLETOWN-FAIR OAK

HARRISBURG

UJ0

5280'

UJ1

5280'

MAINTENANCE

T&S-06/81  
S-06/83

RAIL

29NJ090S

29NJ090S

TRAFFIC  
DENSITY MGT

(MIDDLETOWN)

8483

W  
S → N  
ETRACK  
LAYOUT

TO MAIN RR

263644D  
263645K  
263646S  
263647Y  
263648F

263649M

LINE SEGMENT

2657

BEATTIE AVE  
SCHOOL  
MONTGOMERY ST  
COTTAGE  
WICKHAM AVE

WISNER AVE

MUDMILLS RD

UU-1.90-JS-74.05

CURVATURE

ALIGNMENT

3.0R

1.00

2.0L

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

07/25/2007

306251

394

UTICA I.T.

BINGHAMTON-PORT DICKINSON

HARRISBURG

UT192

UT193

UT194

2112'

5280'

5280'

MAINTENANCE

RAIL

\*\*NJ130S

\*\*RJ130S

\*\*NJ130S

\*\*RJ130S

TRAFFIC  
DENSITY MGT

8486

TRACK  
LAYOUT

LINE SEGMENT

2669

TO S. TIER LINE

192.13-ICSB-66'

⑥ (PORT DICKINSON)  
UT193⑥ (DH RR)  
UT194

193.44-ICSB-10'

193.94-IBSO-17'

193.94-IBSO-23'

TO NYSAW RR

BRANDY AVE

CATTLE PASS

BRANDY WINE CREEK  
BRANDY WINE CREEKOLD STATE RD  
264841A

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

5.0L

4.5L

3.0L

1.00

1.00

1.00

0.3L

1.00

10

-0.30

-0.14

-0.14

07/25/2007

306351

395  
VESTAL I.T.

BINGHAMTON-WILLOW PT

HARRISBURG

VT193

VT194

VT195

5280'

5280'

5280'

MAINTENANCE

T&S-12/01

RAIL

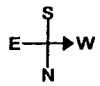
TRAFFIC  
DENSITY MGT

→ 0.5(0.7)  
← 0.2

→ 0.1(0.1)  
← 0.0

CP JOHNSON

(JOHNSON CITY)  
VT194



TRACK  
LAYOUT

VT-192.80-JY-192.80

193.33-4CSB-64'

193.82-3CSB-46'

193.91

194.91  
194.83-3CSB-37'

LINE SEGMENT

2855

GLENWOOD AVE

EMMA ST

WELLS AVE

MAIN ST

WILLOW ST

WALKWAY

BALDWIN ST

SR 201 (PED)  
RIVERSIDE DRIVE

NYSEG

CURVATURE

ALIGNMENT

ELEVATION

1.00 □ 0.9R

1.7L

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.43

-0.35

-0.07

07/25/2007

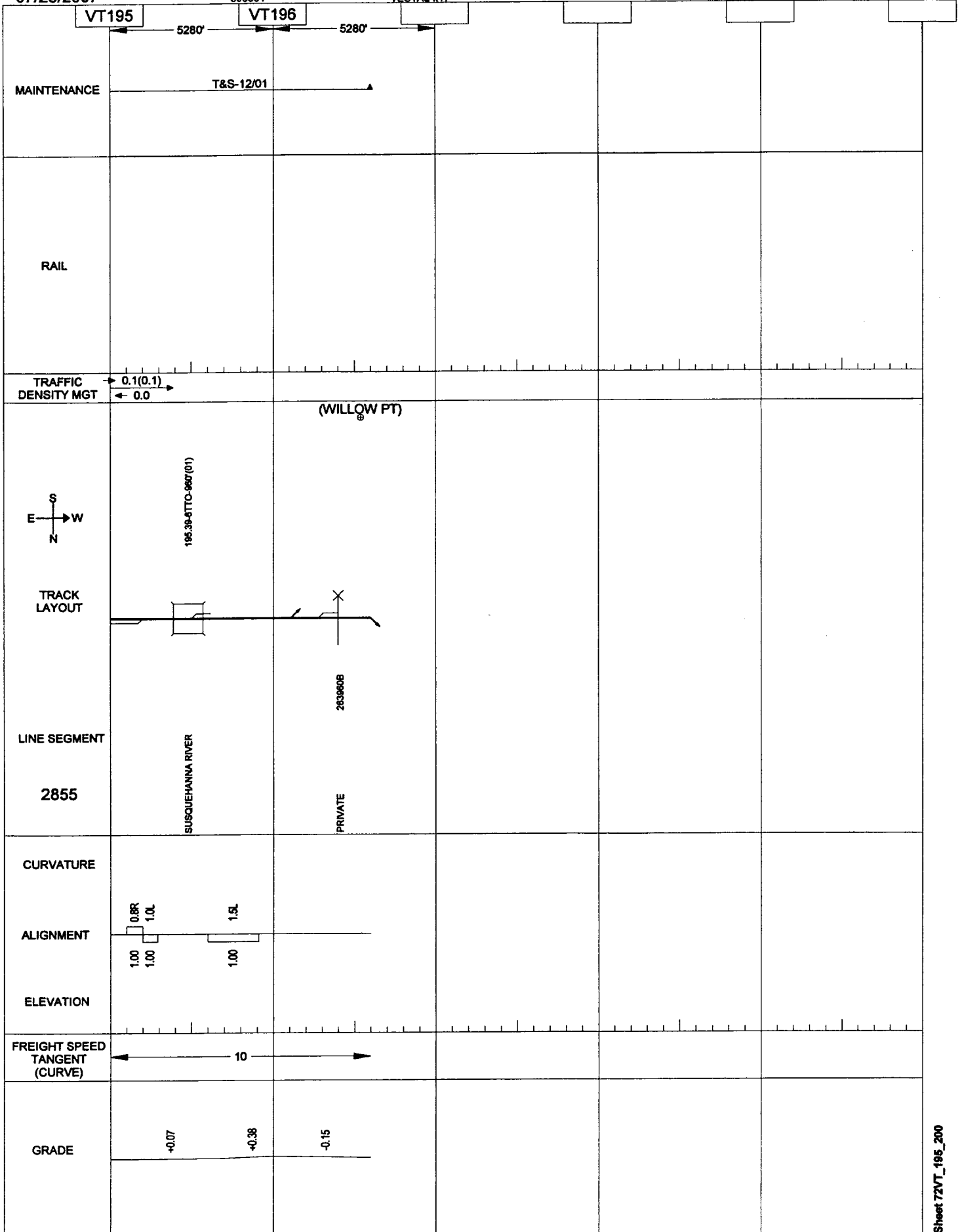
306351

396

VESTAL I.T.

BINGHAMTON-WILLOW PT

HARRISBURG



07/25/2007

306304

397  
KENNEDY VALVE SPUR

KENNEDY VALVE-LENNOX AVE

HARRISBURG

KV250

5280'

MAINTENANCE

RAIL

31NJ131S

31NJ131S

TRAFFIC  
DENSITY MGT



TRACK  
LAYOUT

ELMIRA YARD

KV-249 55-SR-272.83

285934T

WOODLAWN AVE

285935A

WESTSIDE AVE

LINE SEGMENT

2540

CURVATURE

ALIGNMENT

ELEVATION

100 200

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00



07/25/2007

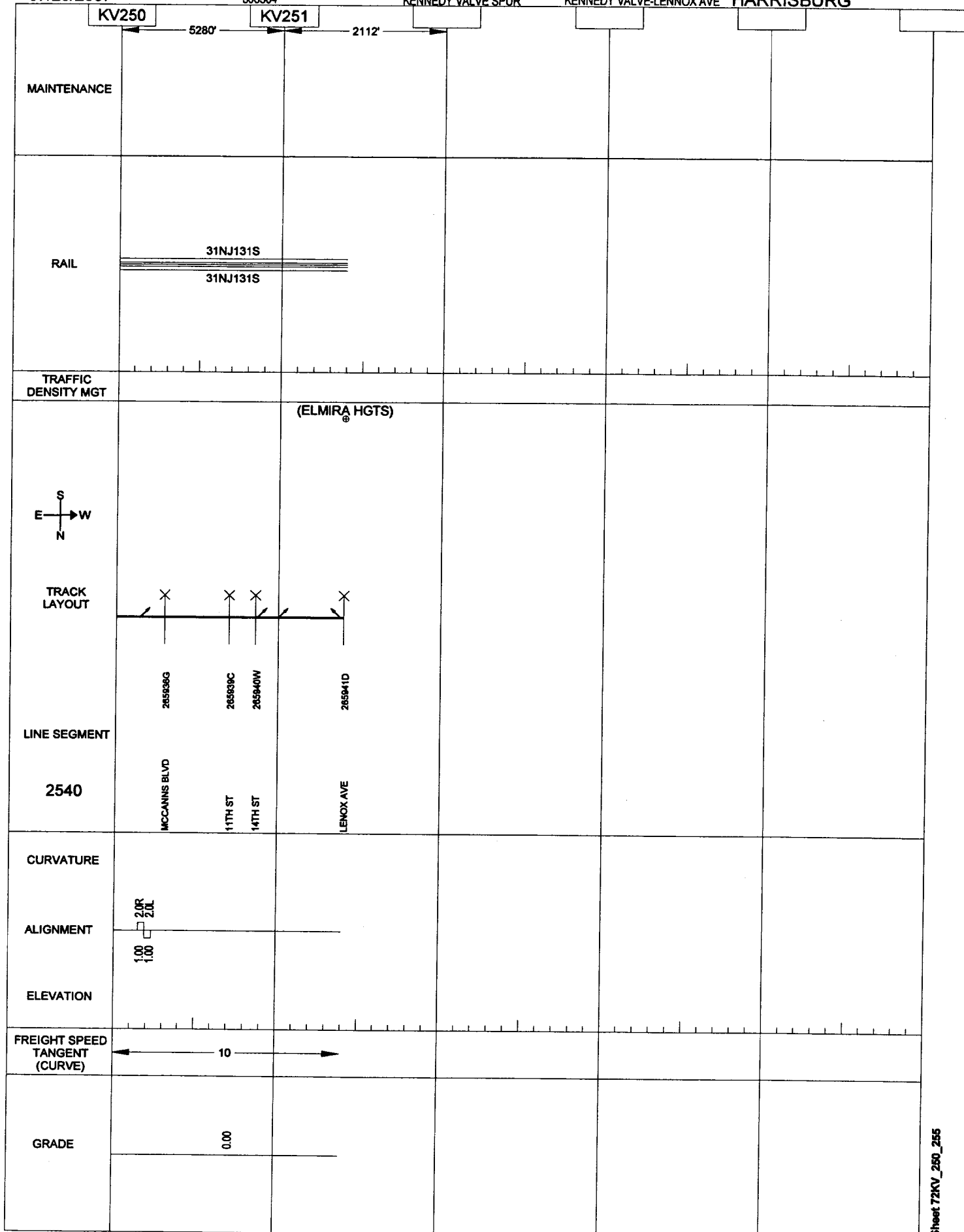
306304

398

KENNEDY VALVE SPUR

KENNEDY VALVE-LENOX AVE

HARRISBURG



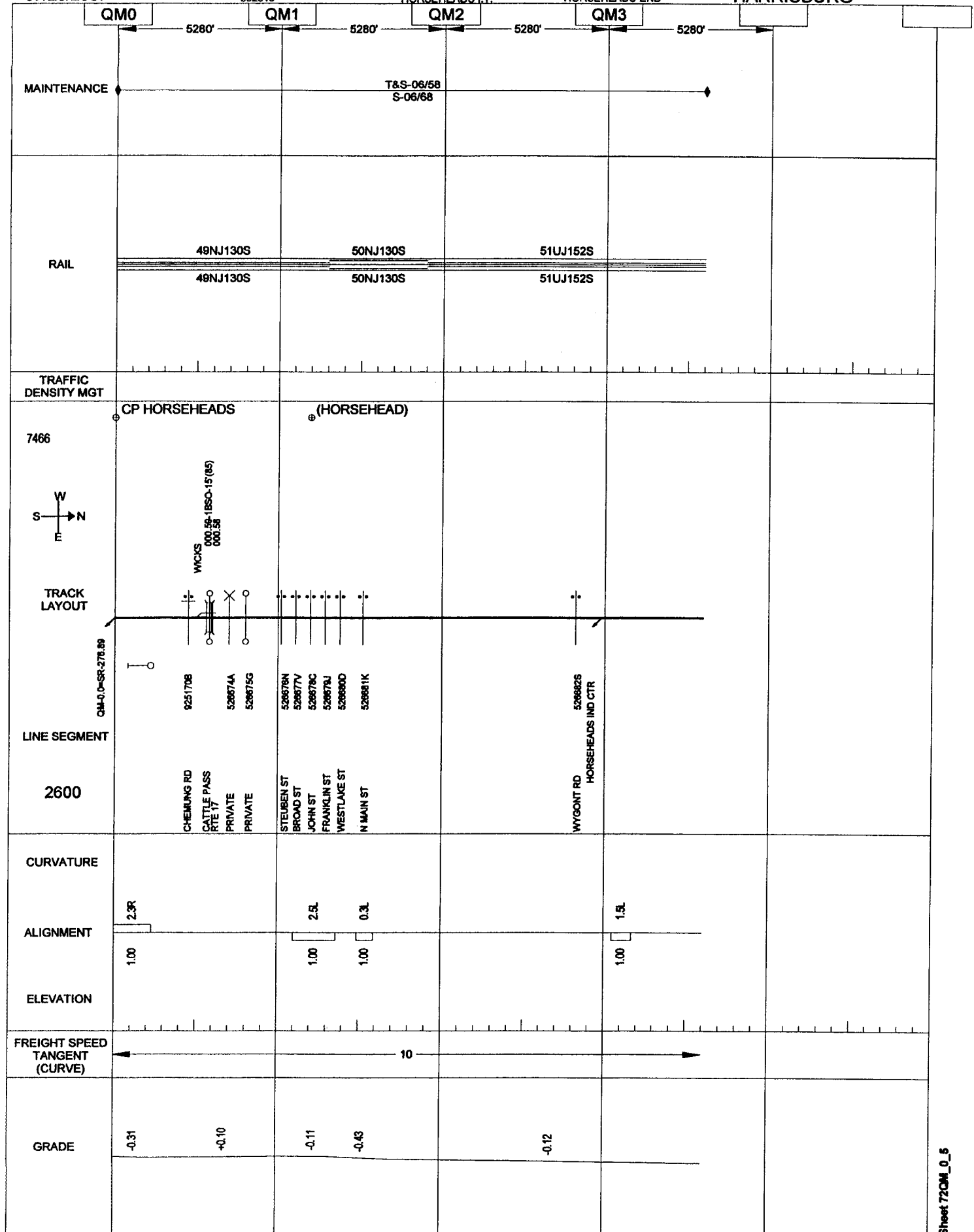
07/25/2007

302318

399  
HORSEHEADS I.T.

HORSEHEADS-END

HARRISBURG



07/25/2007

302322

400

CORNING I.T.

CORNING-GANG MILLS

HARRISBURG

TZ72

TZ73

TZ74

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-06/76

T&S-06/65  
S-06/74

T&amp;S-06/85

RAIL

54NJ127S

47NJ127S

50NJ127S

54NJ127S

47NJ127S

50NJ127S

TRAFFIC  
DENSITY MGT

1250

TRACK  
LAYOUT(CORNING)<sup>®</sup>(BRIDGE)  
TX74  
<sup>®</sup>  
(GANG MILLS)

TO WCOR RR

LINE SEGMENT

2645

CORNING GLASS

072.50

505505E

BRIDGE ST

PATTERSON (OLD 17)

TZ-74.40SR-293.20

CURVATURE

ALIGNMENT

ELEVATION

2.8R

2.8L

1.5R

1.6L

0.8L

3.1L

3.1L

1.0L

0.4L

2.3L

1.1L

2.3L

1.3R

2.2R

3.3L

1.0L

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

-0.03

-0.20

0.00

07/25/2007

306443

401

GROVELAND I.T.

NORTH ALEXANDER-ATTICA

HARRISBURG

UG362

UG363

UG364

UG365

5280'

5278'

5284'

5297'

MAINTENANCE

T&S-06/68  
S-06/71

RAIL

43RJ100S

\*\*NJ100S

47RJ100S

43RJ100S

\*\*NJ100S

47RJ100S

TRAFFIC  
DENSITY MGT→ 0.0(0.0)  
← 0.0

8332

(ALEXANDER)  
UG362(ATTICA)  
CP ATTICAS  
E → W  
NTRACK  
LAYOUT

LINE SEGMENT

2648

AGWAY

264816M  
ALEXANDER RD264815F  
PRIVATE264814Y  
PRIVATE264813S  
(WHITE)264812K  
PETTIBONE RD264811D  
WATERWAY  
MAPLEWOOD AVE264810W  
WATERWAY264809C  
MAPLEWOOD AVE264808V  
JEFFERSON ST264807N  
PEARL ST264806V  
MAIN ST264805V  
FAVOR ST

UG-365.00-SR-362.40

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

0.3L  
1.00  
1.00  
1.3L1.5R  
1.00  
1.00  
2.0R  
1.5L0.3R  
1.001.0R  
1.00  
1.3R  
1.00  
4.0R  
4.8L

10

-0.04

-0.03

-0.24

+0.77

0.00

Sheet 72UG\_360\_365

07/25/2007

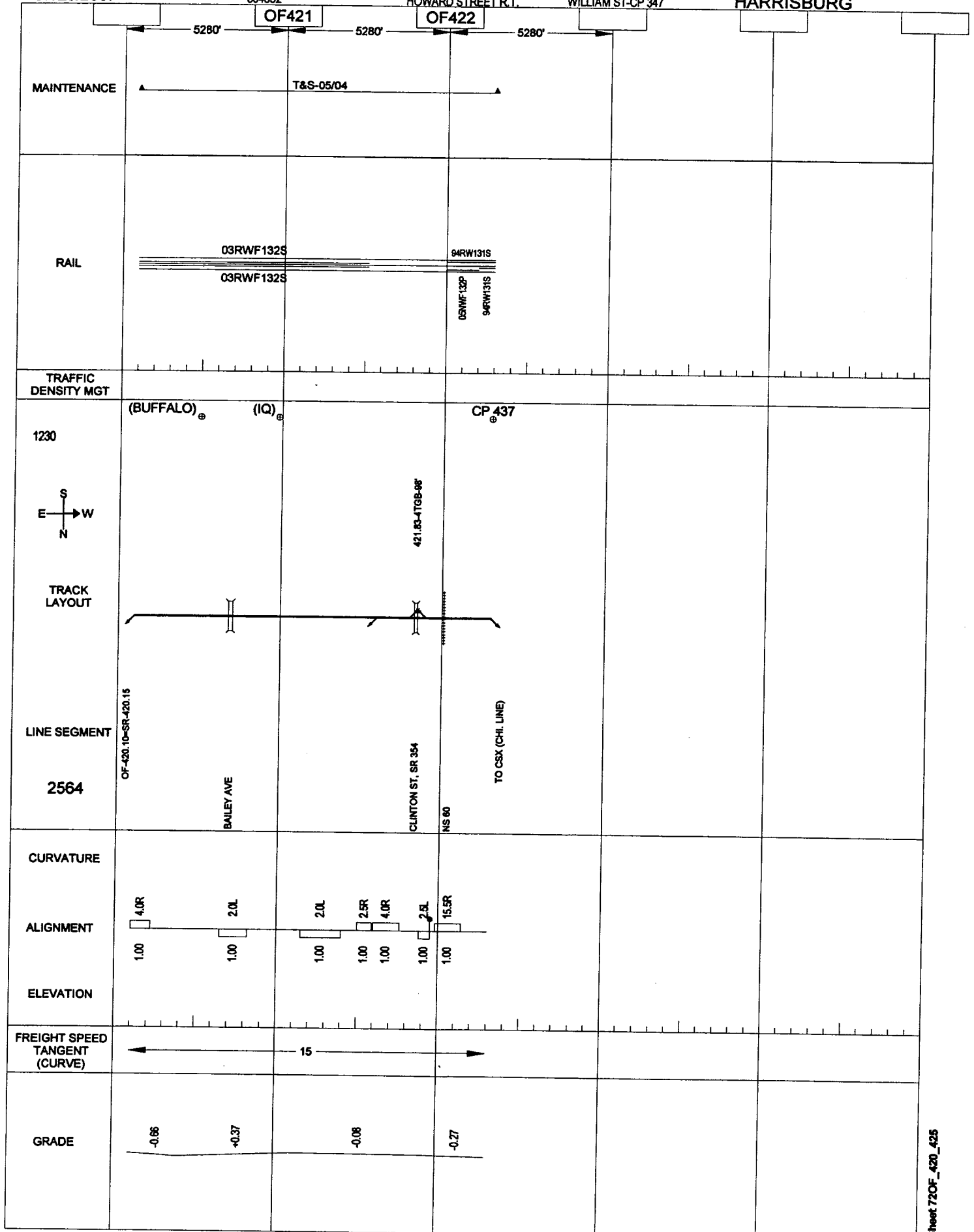
304852

402

HOWARD STREET R.T.

WILLIAM ST-CP 347

HARRISBURG



07/25/2007

306471

403

PRENATT ST. LEAD (BC RR)

BUFFALO

HARRISBURG

YU0

4752'

MAINTENANCE

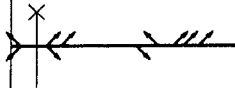
RAIL

TRAFFIC  
DENSITY MGT

24BC

(BUFFALO)  
YU0N  
W — E  
S

YU-0.04=BR-1.40

TRACK  
LAYOUT

LINE SEGMENT

2888

LEE ST

CURVATURE

ALIGNMENT

16.8L	2.8L	3.8L	3.2L	0.7R	1.8L	0.1R	0.5L
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.28

-0.03

07/25/2007

306465

404

LANCASTER I.T.

EAST BUFFALO

HARRISBURG

LD386

LD387

LD388

5280'

5280'

5280'

5280'

MAINTENANCE

RAIL

\*\*RJ131S

\*\*RJ131S

TRAFFIC  
DENSITY MGT

8333



TRACK  
LAYOUT

386.03-1TGB-7V

387.59-1TGB-6V

388.28

388.42-1MAB-15'



LINE SEGMENT

3165

BROADWAY

UNION ROAD

NY STATE THRUWAY

ROAD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.71

-0.11

-0.30

07/25/2007

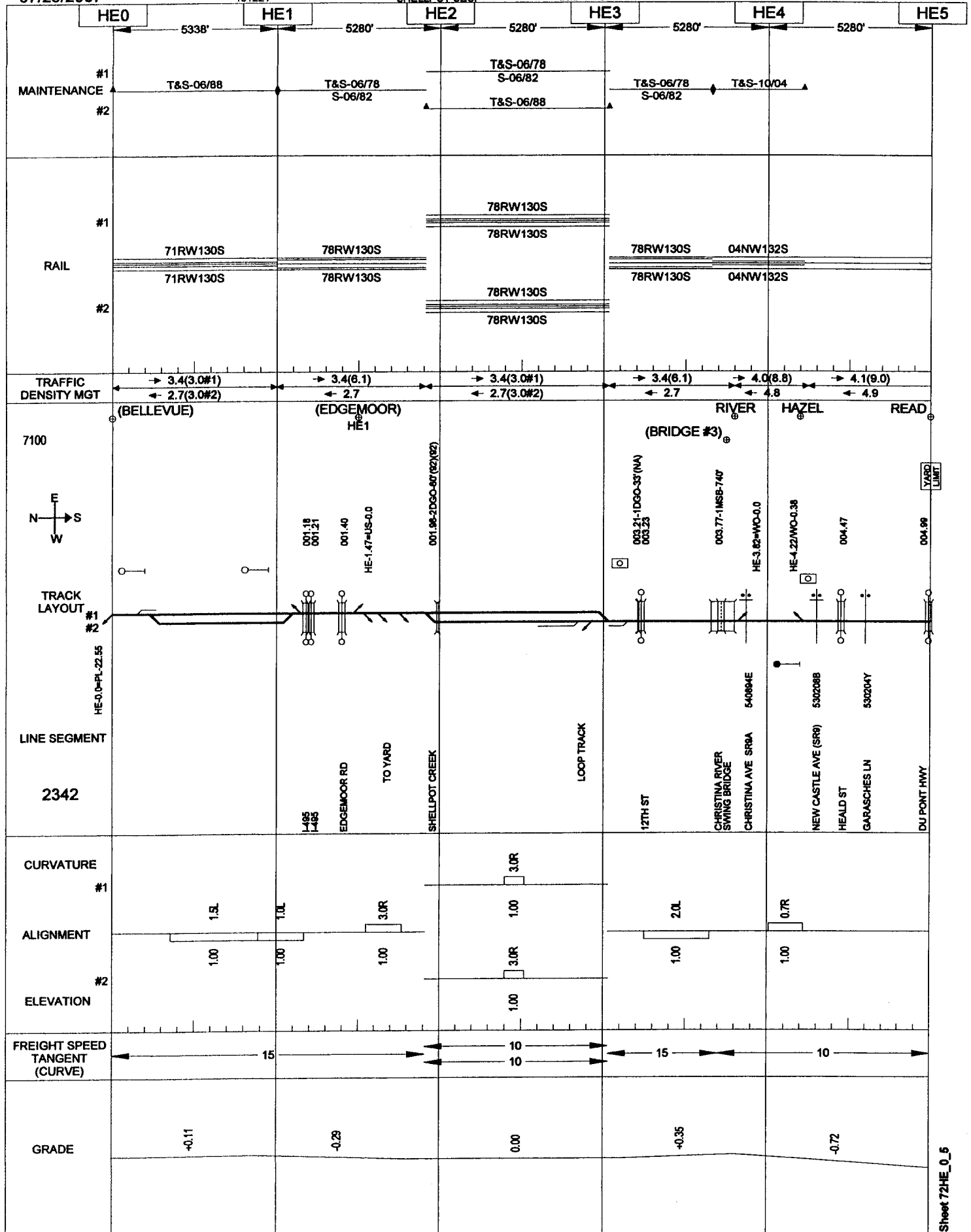
101221

405

SHELLPOT SEC.

BELLEVUE-RAGAN

DELMARVA





07/25/2007

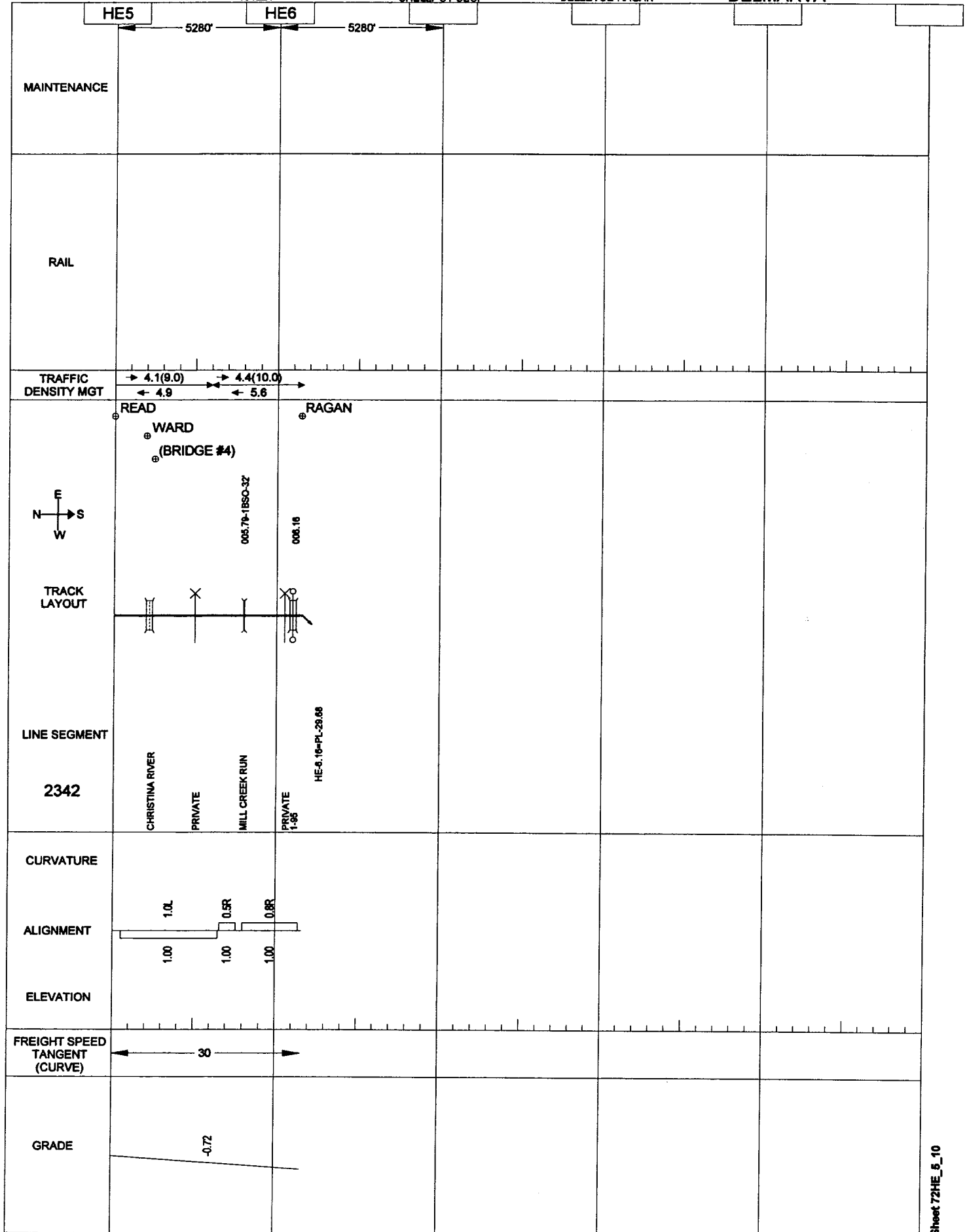
101221

406

SHELLPOT SEC.

BELLEVUE-RAGAN

DELMARVA



07/25/2007

101252

407  
EDGE MOOR I.T.

SHELL POT BR-EDGE MOOR

DELMARVA

US0

US1

5280'

MAINTENANCE

T&amp;S-06/81

RAIL

\*\*NJ085S 01RW136S

\*\*NJ085S 01RW136S

TRAFFIC  
DENSITY MGT

7100

(EDGE MOOR YD)

(EDGE MOOR)

TRACK  
LAYOUT

US-0.0+HE-1.47

000.02-10CAB-1.47  
000.02  
000.02WATERWAY  
1-65  
1-65

913020J

HAY RD (NORTH)

LINE SEGMENT

2663

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.22

-0.12

07/25/2007

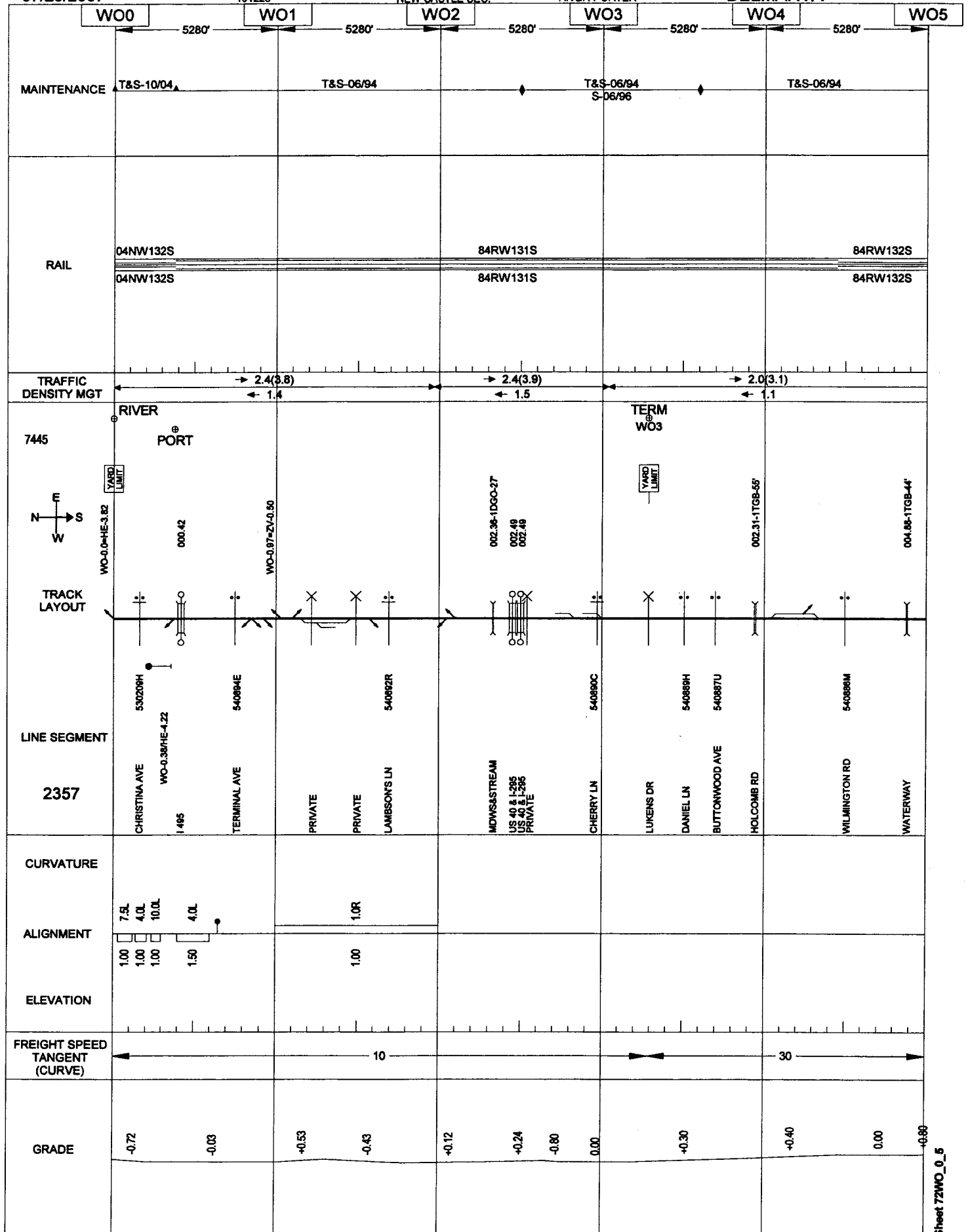
101228

408

NEW CASTLE SEC.

RIVER-PORTER

DELMARVA



07/25/2007

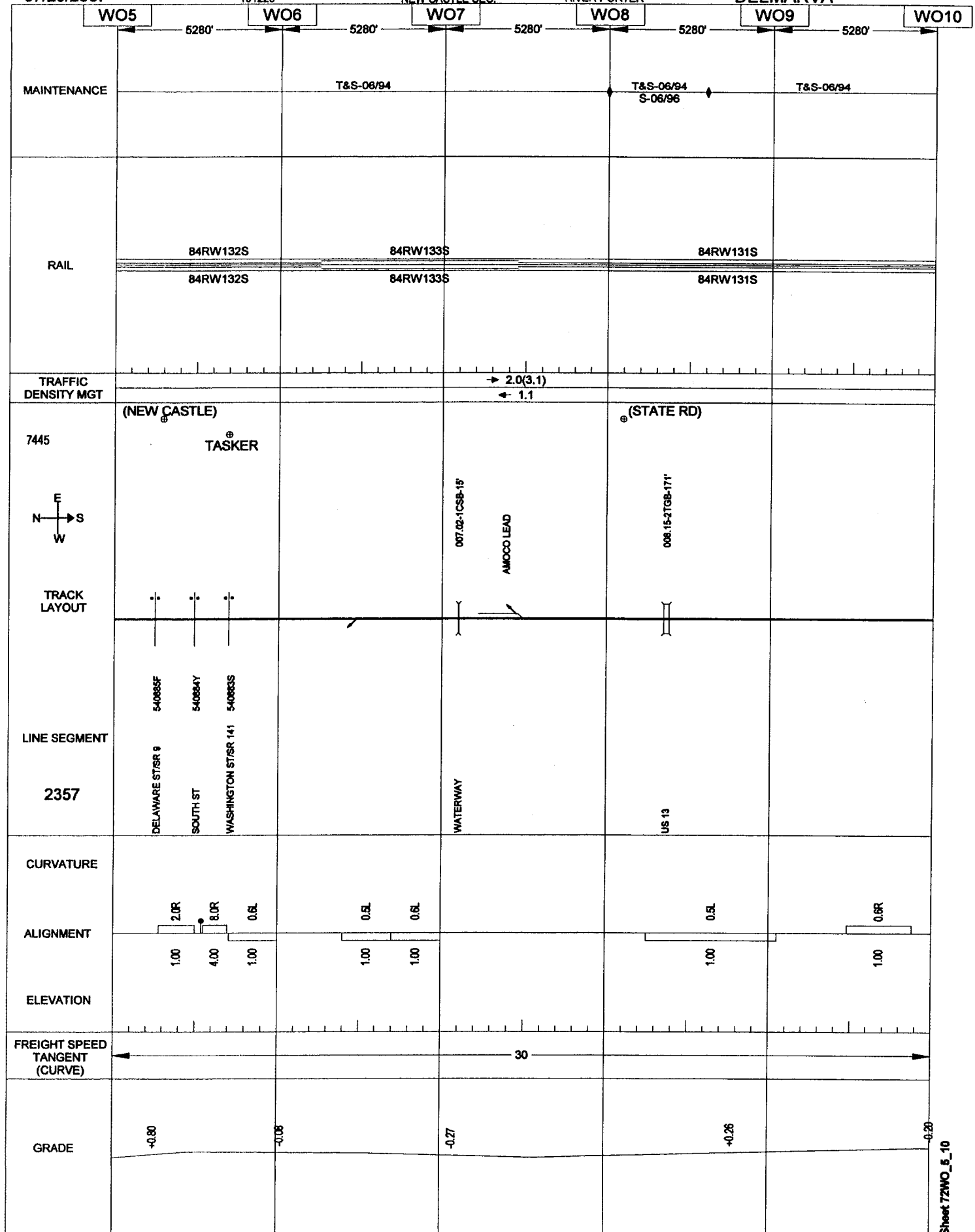
101228

409

NEW CASTLE SEC.

RIVER-PORTER

DELMARVA



**DELMARVA**

WO14

T&amp;S-06/94

84RW131S

84RW131S

→ 2.0(3.1)

ROAD

→ 2.1(3.3)

1.2

ROAD

DP

**BOLD**

PORTER

7445

CARD	UNIT
------	------

WARD	UNIT
------	------

**10.50**

## TRACK LAYOUT

## LINE SEGMENT

2357

RT 1

BEAR CORBITT RD/SR 7 540879C

CHURCH RD-CR 382 540877N

**PRIVATE**

OLD PORTER RD 540875A

**RED LION CK**

WO-14.00=DM-14.40

## CURVATURE

## ALIGNMENT

### ELEVATION

### 3.1L

1.00

**FREIGHT SPEED  
TANGENT  
(CURVE)**

- 30

- 15

**GRADE**

-0.20

#021

33

23

07/25/2007

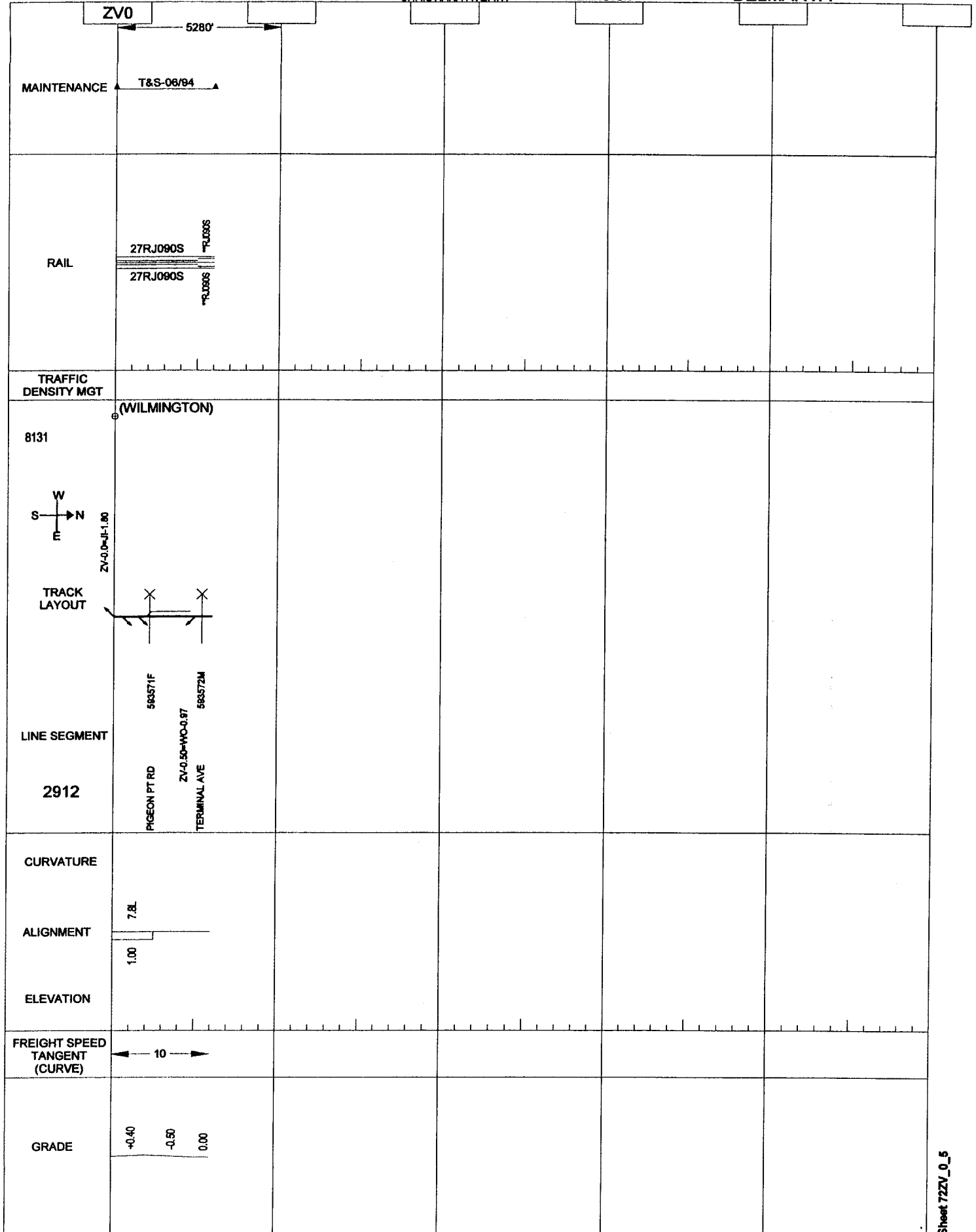
100393

411

CHRISTIANA AVE. I.T.

WILMINGTON

DELMARVA



07/25/2007

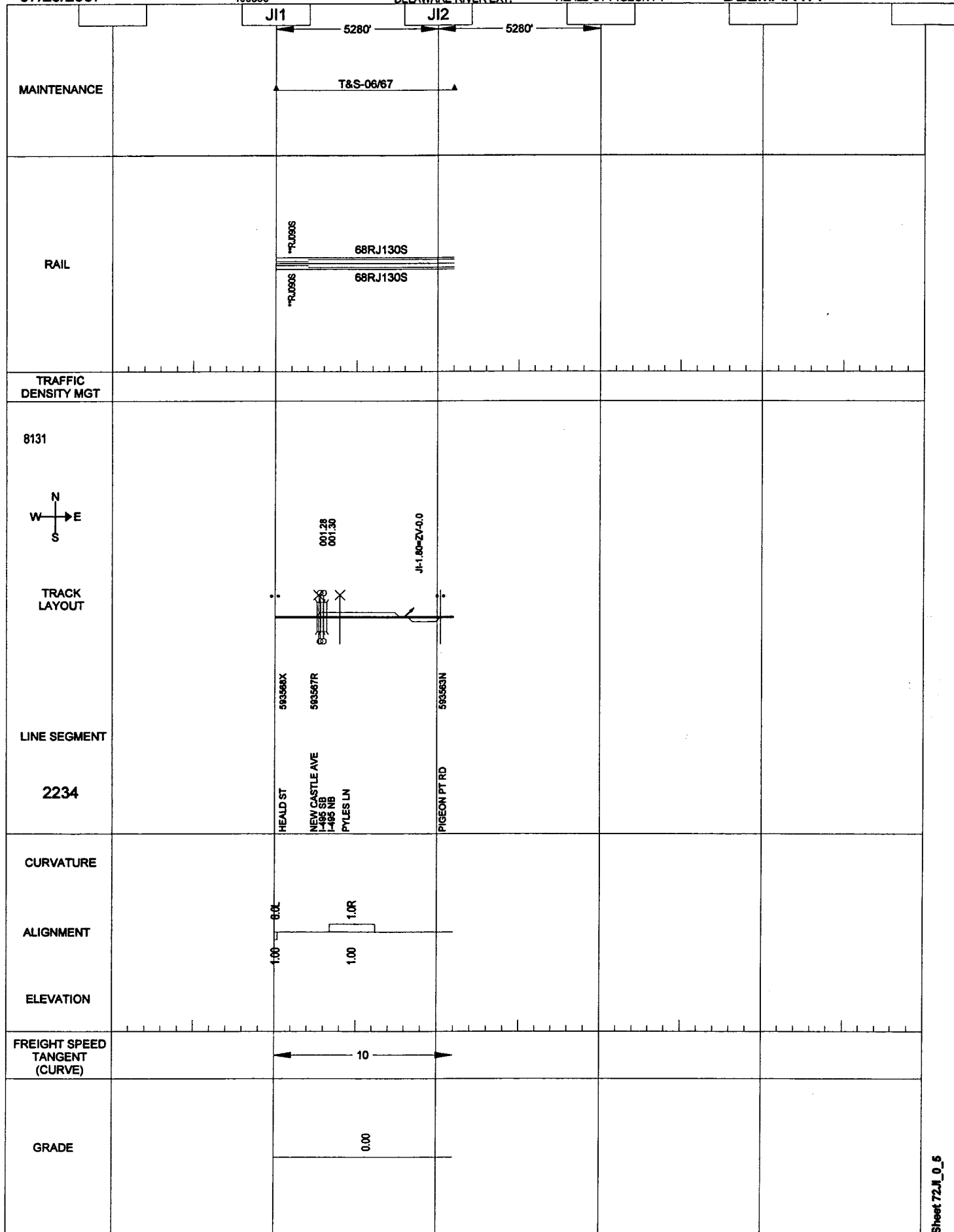
100396

412

DELAWARE RIVER EXT.

HEALD ST-PIGEON PT

DELMARVA



07/25/2007

100352

413

WILMINGTON & NORTHERN R.T. WILMINGTON

DELMARVA

FM1

FM2

5280'

5280'

5678'

MAINTENANCE

RAIL

69NJ130S

67NJ130S

69NJ130S

67NJ130S

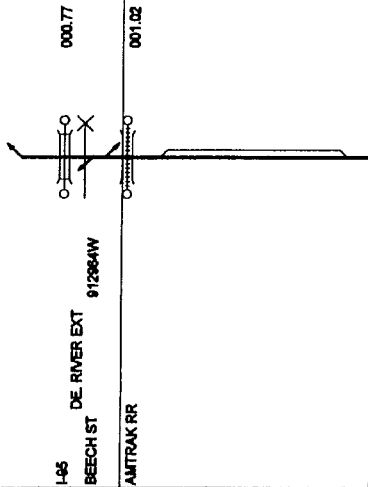
TRAFFIC  
DENSITY MGT

(WEST YARD)

8131



TRACK  
LAYOUT



LINE SEGMENT

2477

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

-0.45

0.00

-0.93



07/25/2007

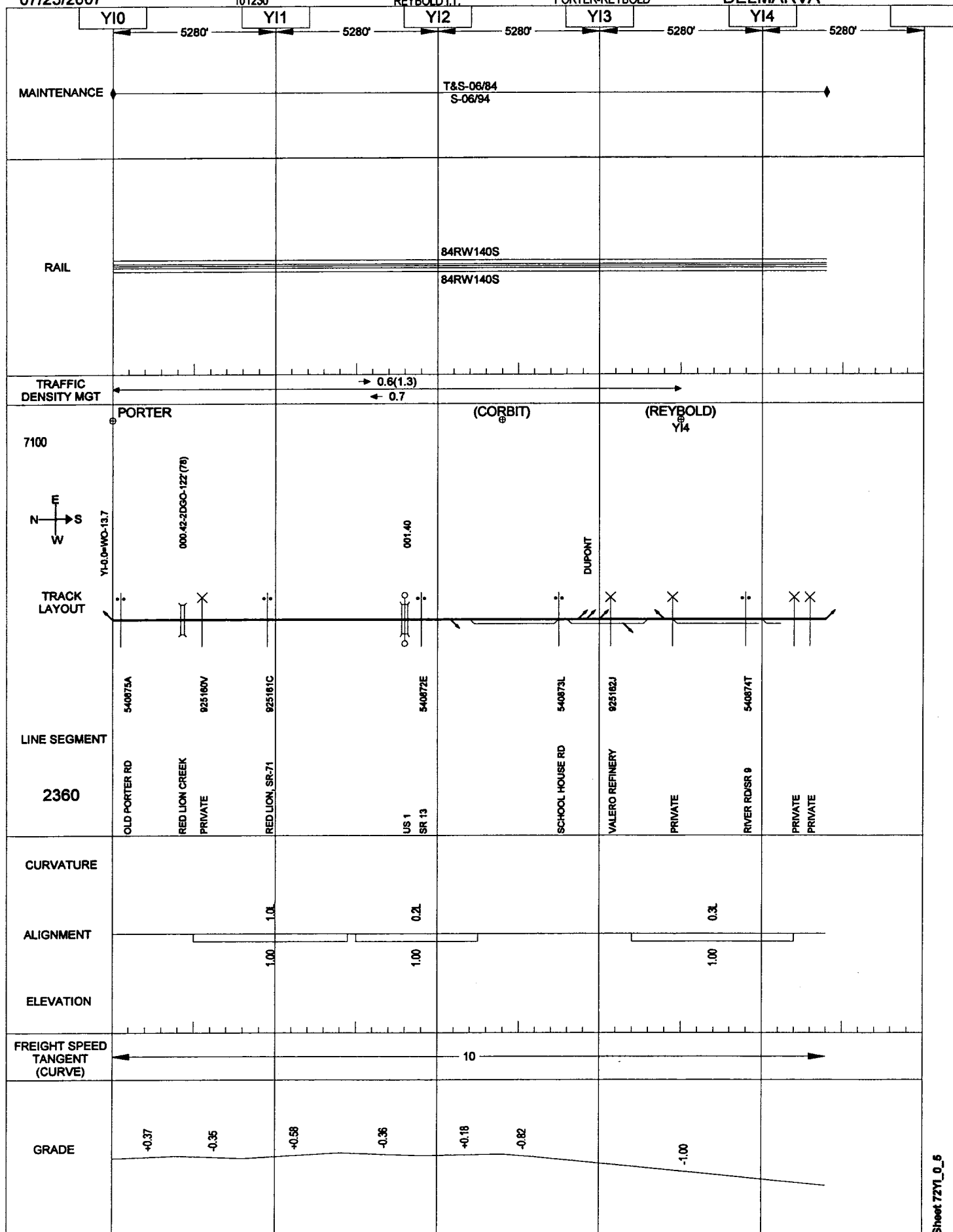
101230

414

REYBOLD I.T.

PORTER-REYBOLD

DELMARVA



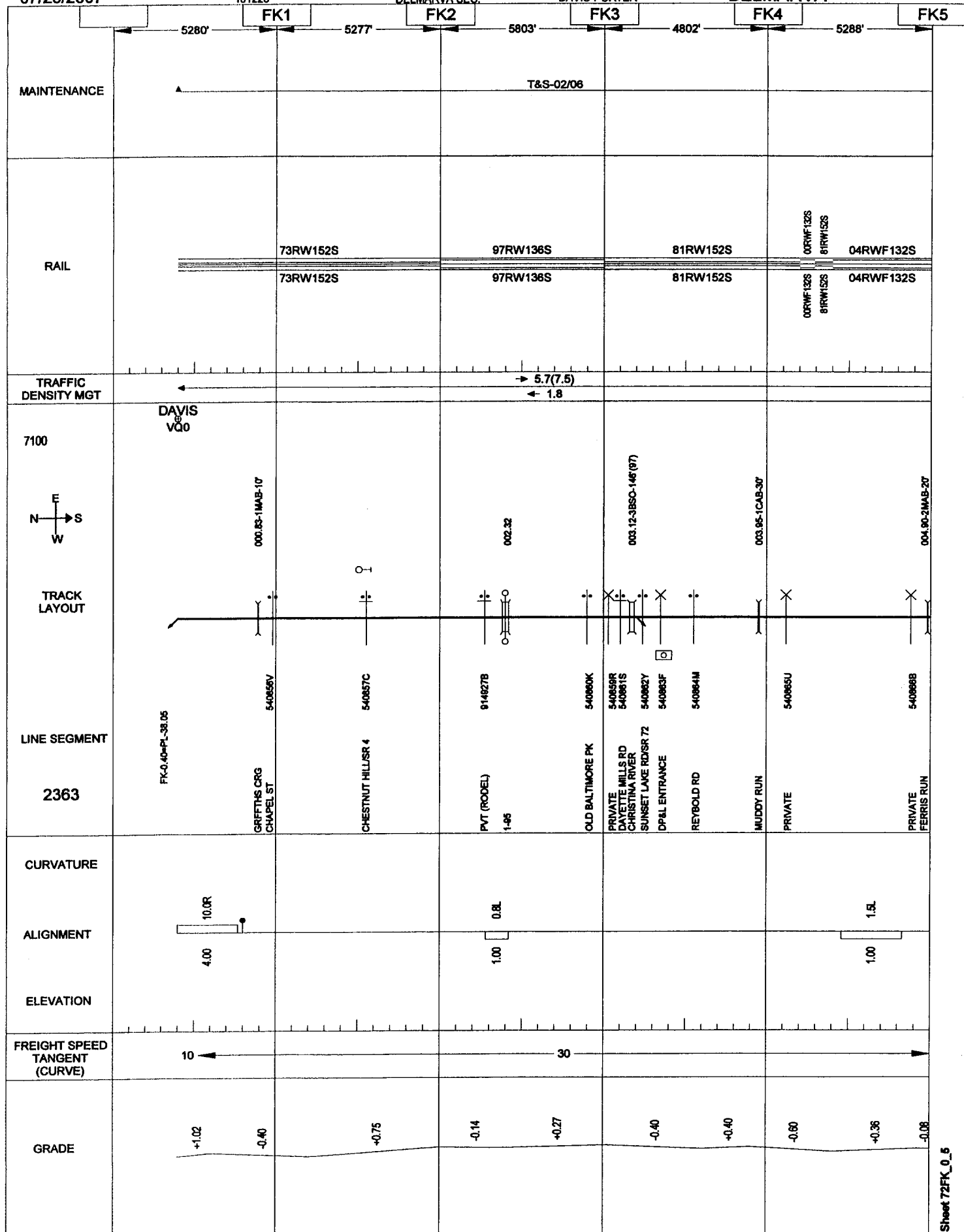
07/25/2007

101223

415  
DELMARVA SEC.

DAVIS-PORTER

DELMARVA



07/25/2007

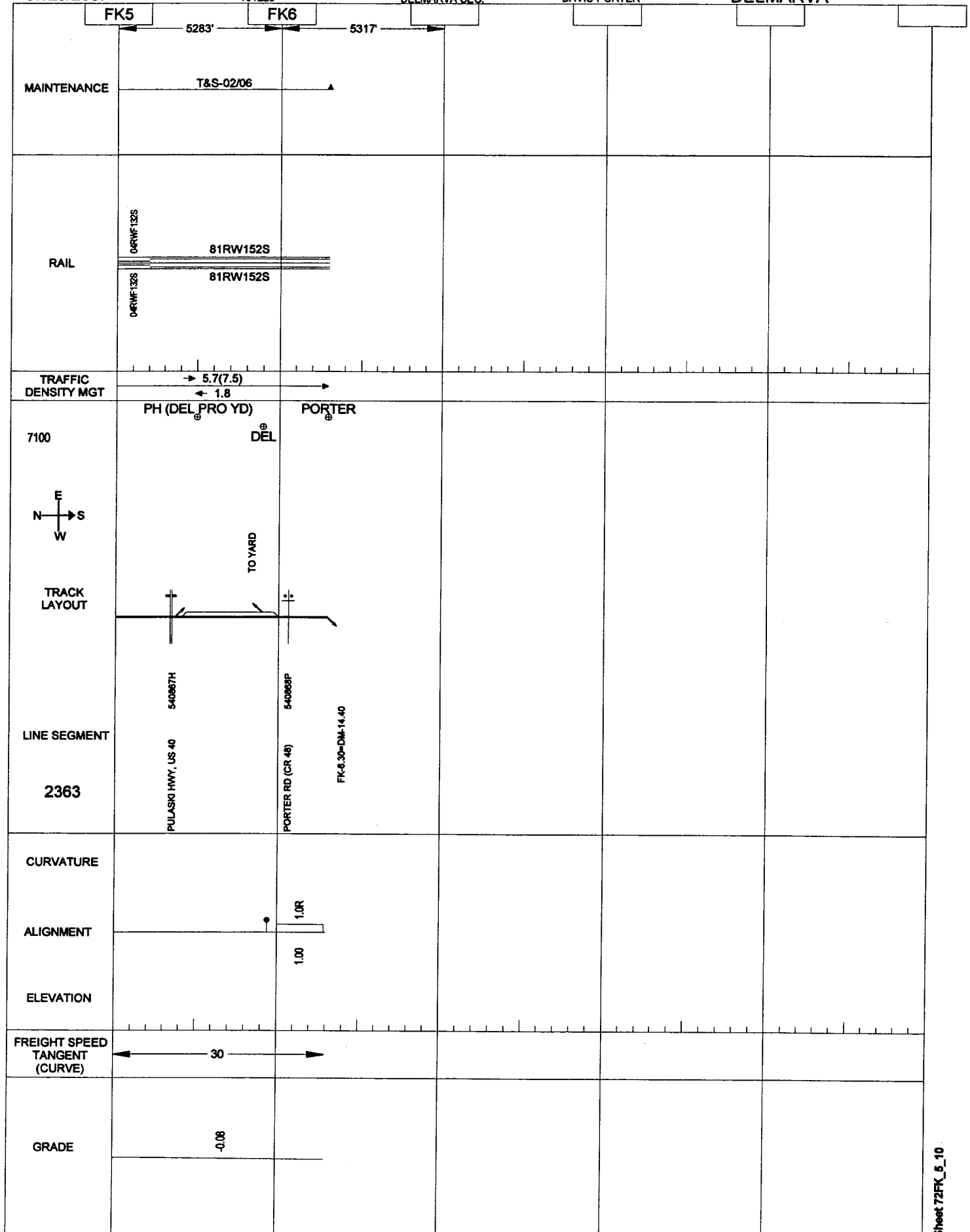
101223

416

DELMARVA SEC.

DAVIS-PORTER

DELMARVA



07/25/2007

101223

417

DELMARVA SEC.

PORTER-DELMAR

DELMARVA

DM15

5280'

MAINTENANCE

T&amp;S-03/06

RAIL

84RW130S

84RW130S

TRAFFIC  
DENSITY MGT→ 7.1(9.3)  
← 2.2

PORTER

7445

TRACK  
LAYOUT

DM-14.40-WO-14.00

LINE SEGMENT

DM-14.40-FIX-8.30

2366

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

← 40 →

GRADE

-0.05  
+0.16

07/25/2007

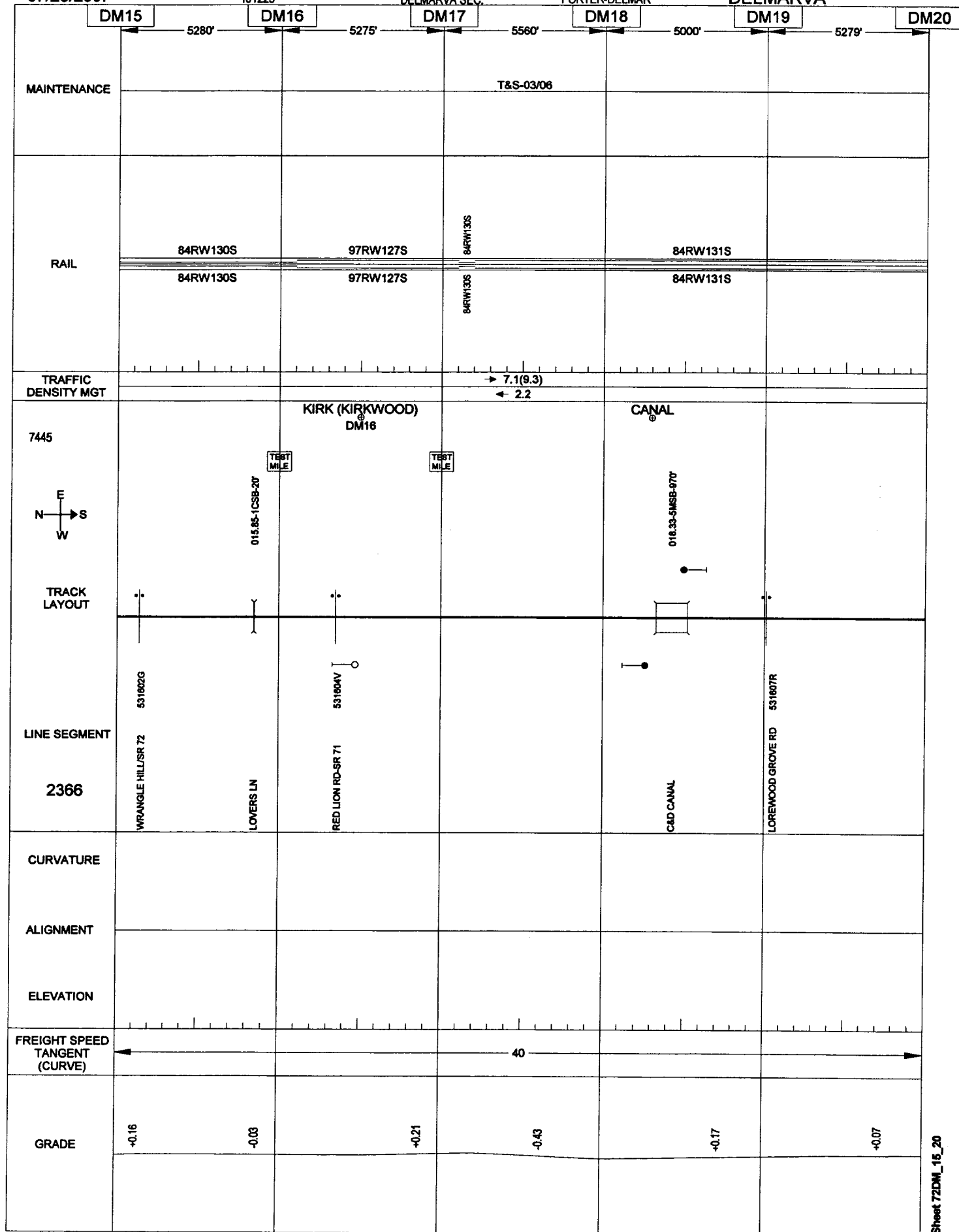
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418

DELMARVA SEC.

PORTER-DELMAR

DELMARVA



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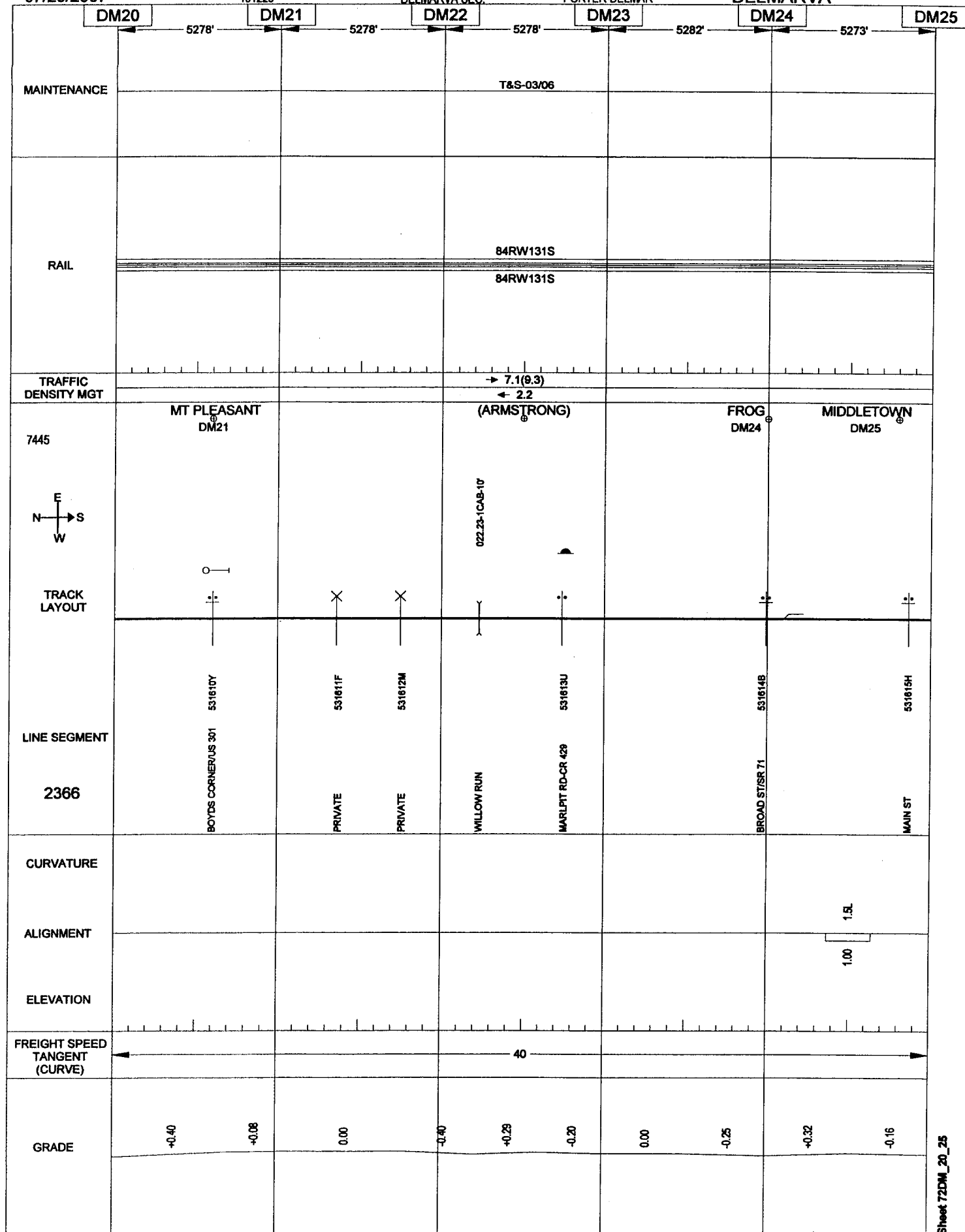
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419

DELMARVA SEC.

PORTER-DELMAR

DELMARVA



07/25/2007

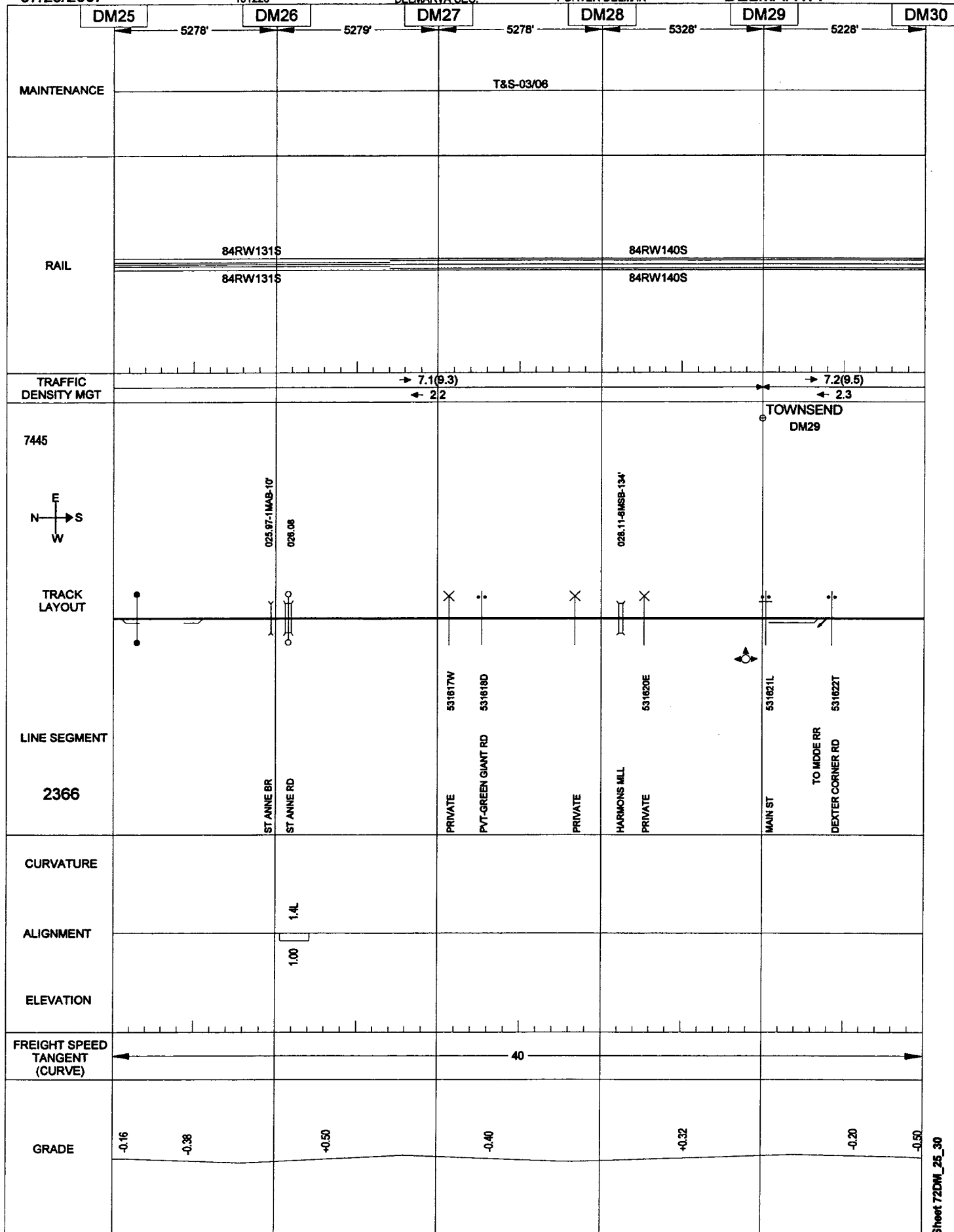
101223

420

DELMARVA SEC.

PORTER-DELMAR

DELMARVA



07/25/2007

101223

421  
DELMARVA SEC.

PORTER-DELMAR

DELMARVA

	DM30	DM31	DM32	DM33	DM34	DM35
	5277'	5280'	5279'	5279'	5282'	
MAINTENANCE			T&S-03/06			
RAIL	84RW140S 84RW140S	84RW131S 84RW131S		84RW115S 84RW115S		
TRAFFIC DENSITY MGT			→ 7.2(9.5) ← 2.3			
7445						CLAY DM35
	030.55-1MAB-20'	031.82-1MAB-10'			034.90-1CSB-12'	
TRACK LAYOUT	•• Y	•• Y	••	X	Y	••
LINE SEGMENT	531830K RATLEDGE RD BARTON BR	531831S BLACKBIRD RD MILL POND	531832Y BLACKBIRD FOREST RD	531836P PRIVATE	531837W WATERWAY GREENSPRINGS RD	
2366						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)			40			
GRADE	-0.50 -0.35	-0.28 +0.30	-0.24	-0.22	-0.11	



07/25/2007

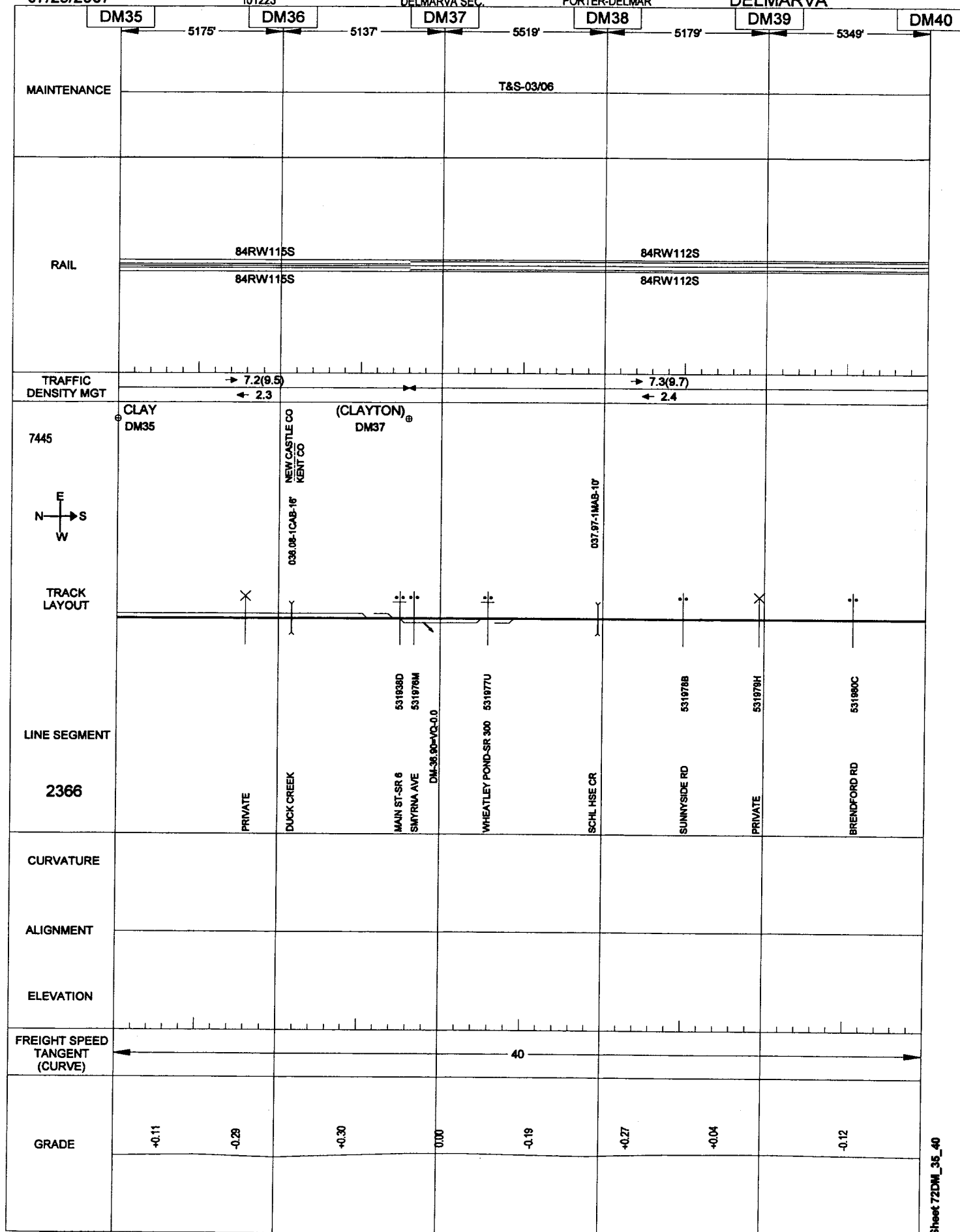
101223

422

DELMARVA SEC.

PORTER-DELMAR

DELMARVA





07/25/2007

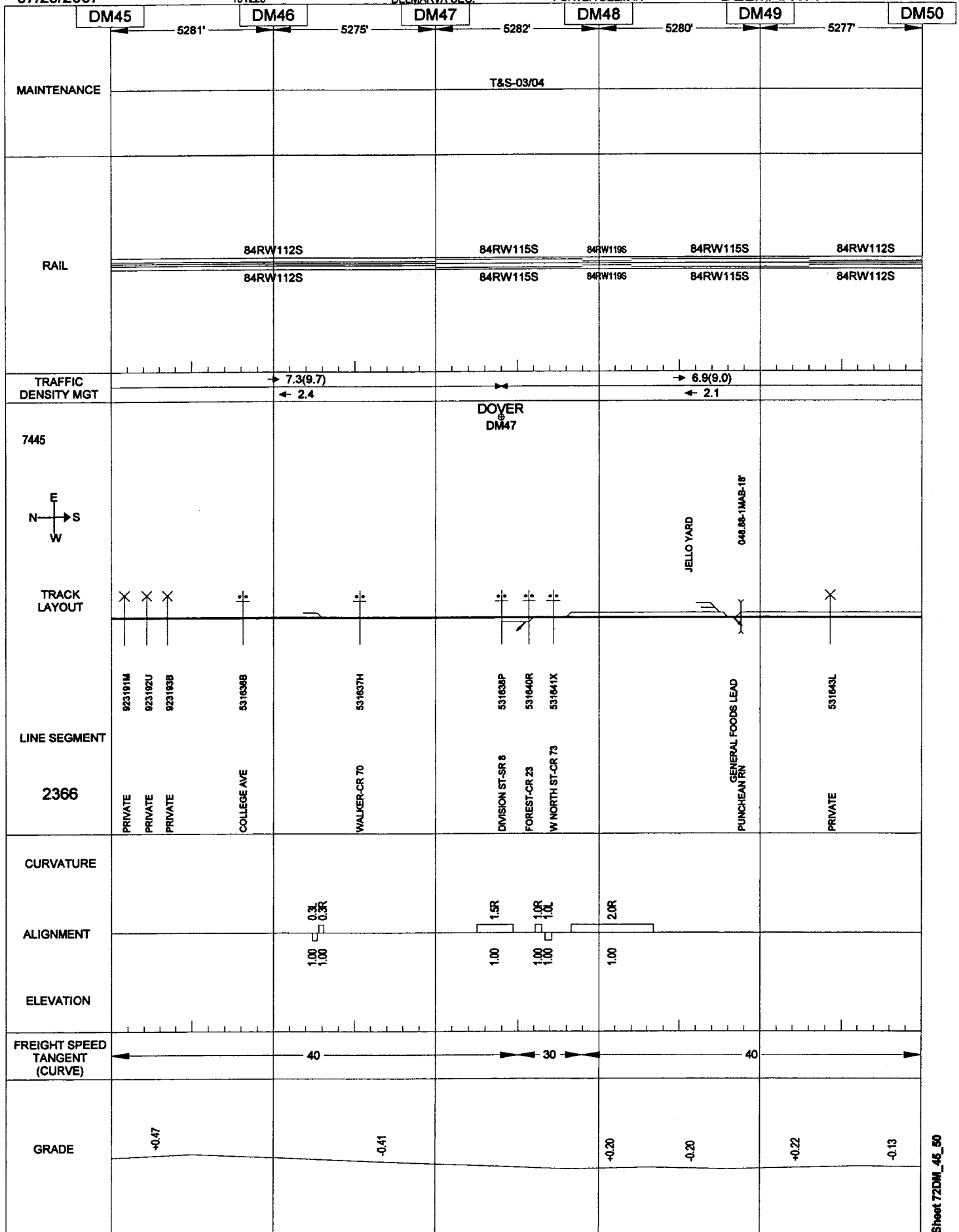
101223

424

DELMARVA SEC.

PORTER-DELMAR

DELMARVA



07/25/2007

101223

425

DELMARVA SEC.

PORTER-DELMAR

DELMARVA

DM50

DM51

DM52

DM53

DM54

DM55

5211'

5348'

5275'

5280'

5279'

MAINTENANCE

T&amp;S-03/04

RAIL

84RW112S

84RW115S

84RW112S

84RW115S

TRAFFIC  
DENSITY MGT

→ 6.9(9.0)

← 2.1

7445

WYOMING  
DM51  
WYDEL  
DM52(WOODSIDE)  
DM54TEST  
MILETEST  
MILEE  
N → S  
W

050.40-1WAB-24'

TRACK  
LAYOUT

LINE SEGMENT

2366

LINDALE CRK  
FRONT CR 193  
531644TCAMDEN-WYOMING AVE  
531647N  
SOUTHERN BLVD  
531648VSEXTON RD-SR 10  
531649CBISON RD 234  
531650WMAIN SR 15  
531652KPRIVATE  
532194CTRUTTS  
532195J

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

GRADE

-0.13

-0.19

-0.28

+0.34

+0.40

0.00

07/25/2007

101223

426

DELMARVA SEC.

PORTER-DELMAR

DELMARVA

	DM55	DM56	DM57	DM58	DM59	DM60
	5278'	5281'	5279'	5281'	5269'	
MAINTENANCE	T&S-03/04					
RAIL	84RW115S			84RW112S		
	84RW115S			84RW112S		
TRAFFIC DENSITY MGT		→ 6.9(9.0) ← 2.1			→ 6.6(8.7) ← 2.1	
7445		(VIOLA)		FELTON DM58		059.82-185B-24'
<div style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">E</div> <div style="text-align: center;">S</div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">N</div> <div style="text-align: center;">W</div> </div> </div>						
TRACK LAYOUT	X	••	•• X	••	••	X
LINE SEGMENT	532196R	532197X	532198E 532199L	532201K	532202S 532203Y	532204F 532205M 532206U
2366	JARRELLS	RD 238 (DILL'S)	CR 237 HARRIS	EVEN'S-CR 108	FIRETOWER RD JARRELL	DILLS EDWARD EVERETT PEACH BASKET RD
						SEWELL ST HIGH-CR 245 SR 12-MAIN ST
						923194H PRIVATE MIDCKILL RVR
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)				40		
GRADE	0.00	-0.18		0.00	-0.20	

07/25/2007

101223

427

DELMARVA SEC.

PORTER-DELMAR

DELMARVA

DM60

DM61

DM62

DM63

DM64

DM65

5289'

5278'

5270'

5302'

5257'

MAINTENANCE

T&amp;S-03/04

T&amp;S-06/94

RAIL

84RW112S

84RW112S

84RW115S

\*\*RW130S

84RW115S

\*\*RW130S

TRAFFIC  
DENSITY MGT

→ 6.6(8.7)

← 21

→ 2.8(3.4)

← 0.8

7445

ALLEY  
DM81

MOORE

HARRINGTON

TRACK  
LAYOUT

060.71-1 DGO-45' (96)

YARD  
LIMIT

DM-64.40-IR-0.0

DM-64.95/IR-0.39

LINE SEGMENT

2366  
2369

REEVES XING RD-CR286 532211R

BLACK SWAMP CREEK

PARADISE ALLEY-CR287 532213E

HOPKINS CMTRY-CR 289 532214L

CENTER-CR 275 532216A

LIBERTY ST-CR 80 532217G

SR 14-CLARK ST 532219V

FAIRGROUND RD-CR 316 532230V

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

0.5L

1.00

-0.20

+0.18

40

30

0.00

07/25/2007

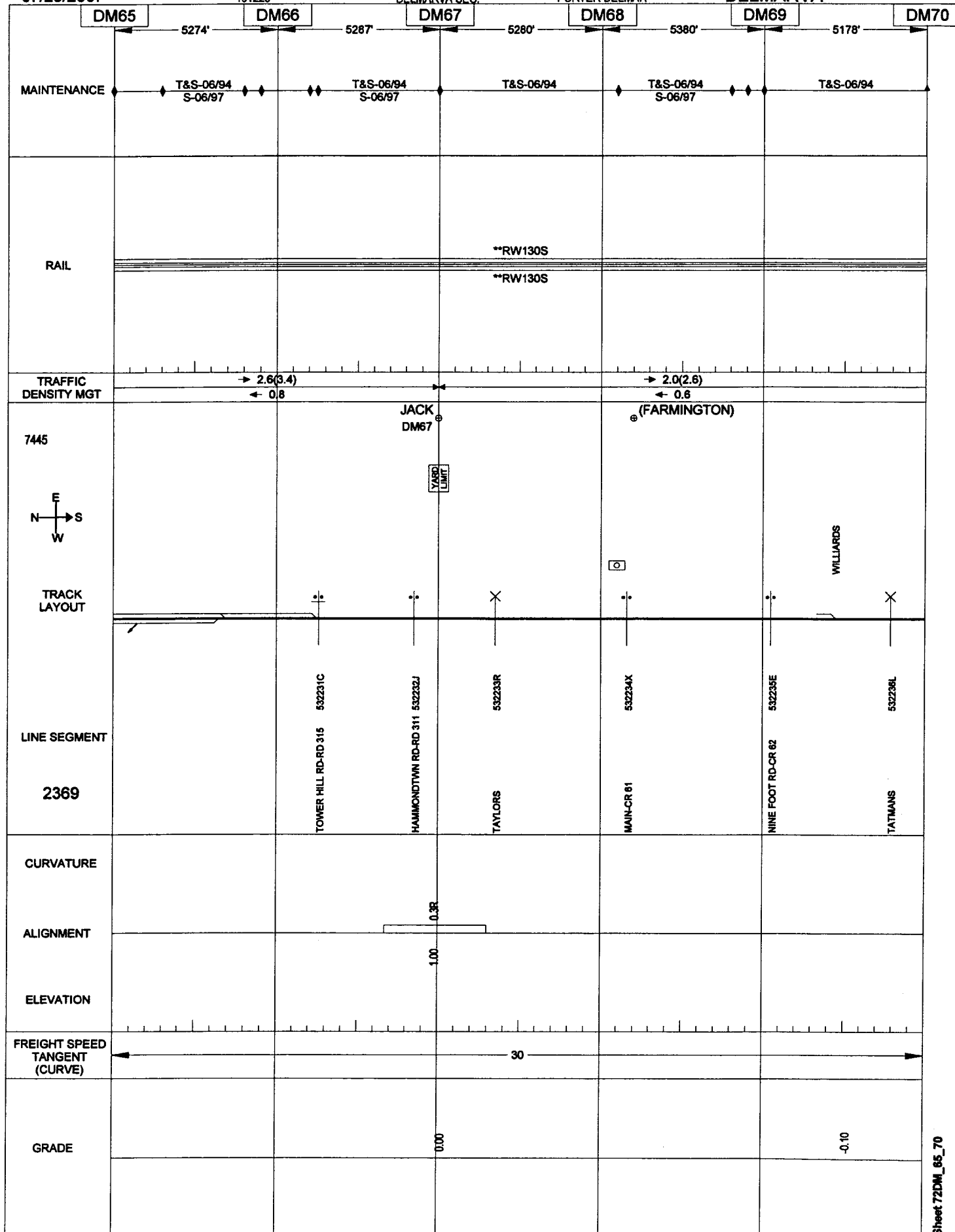
101223

428

DELMARVA SEC.

PORTER-DELMAR

DELMARVA



07/25/2007

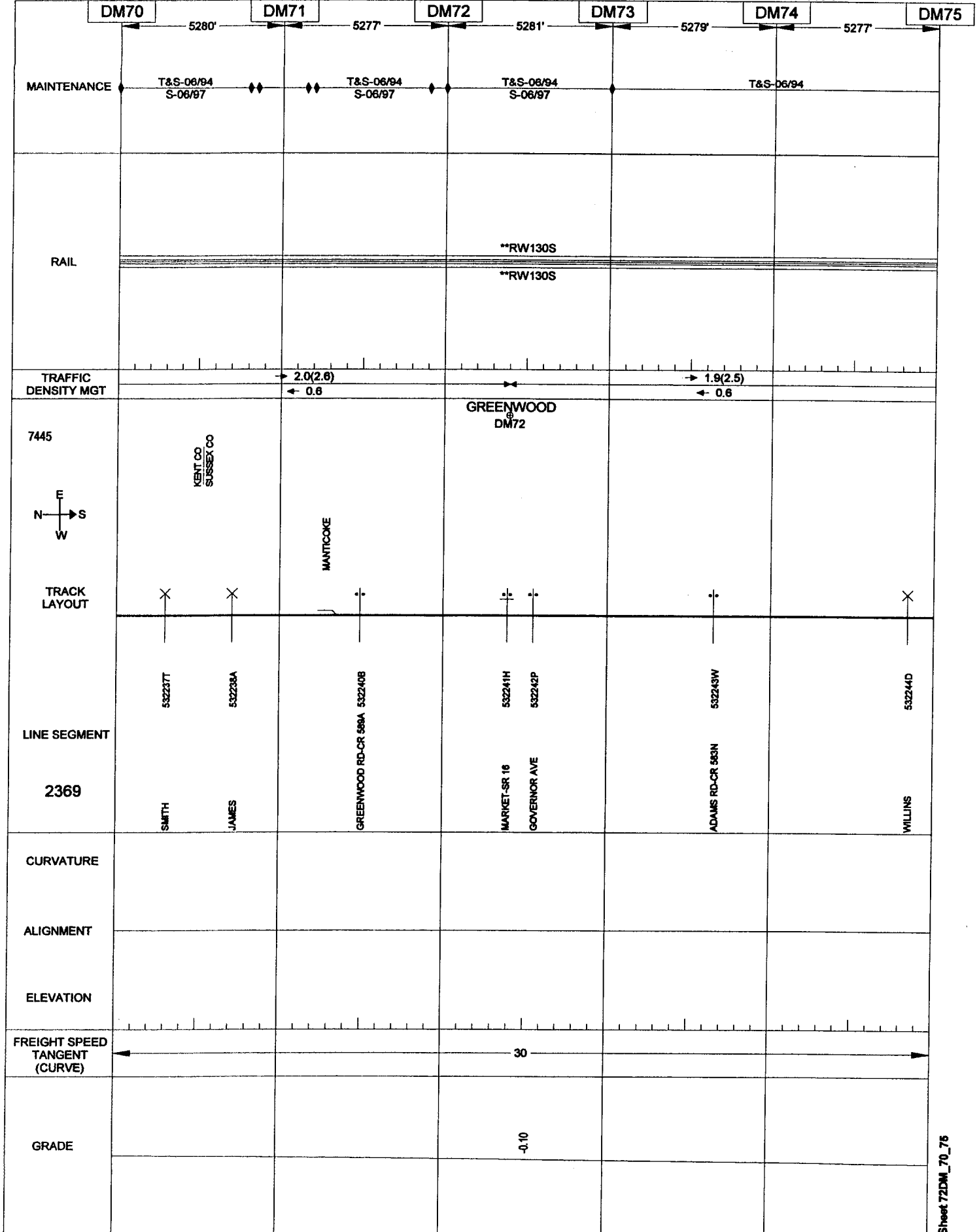
101223

429

DELMARVA SEC.

PORTER-DELMAR

DELMARVA





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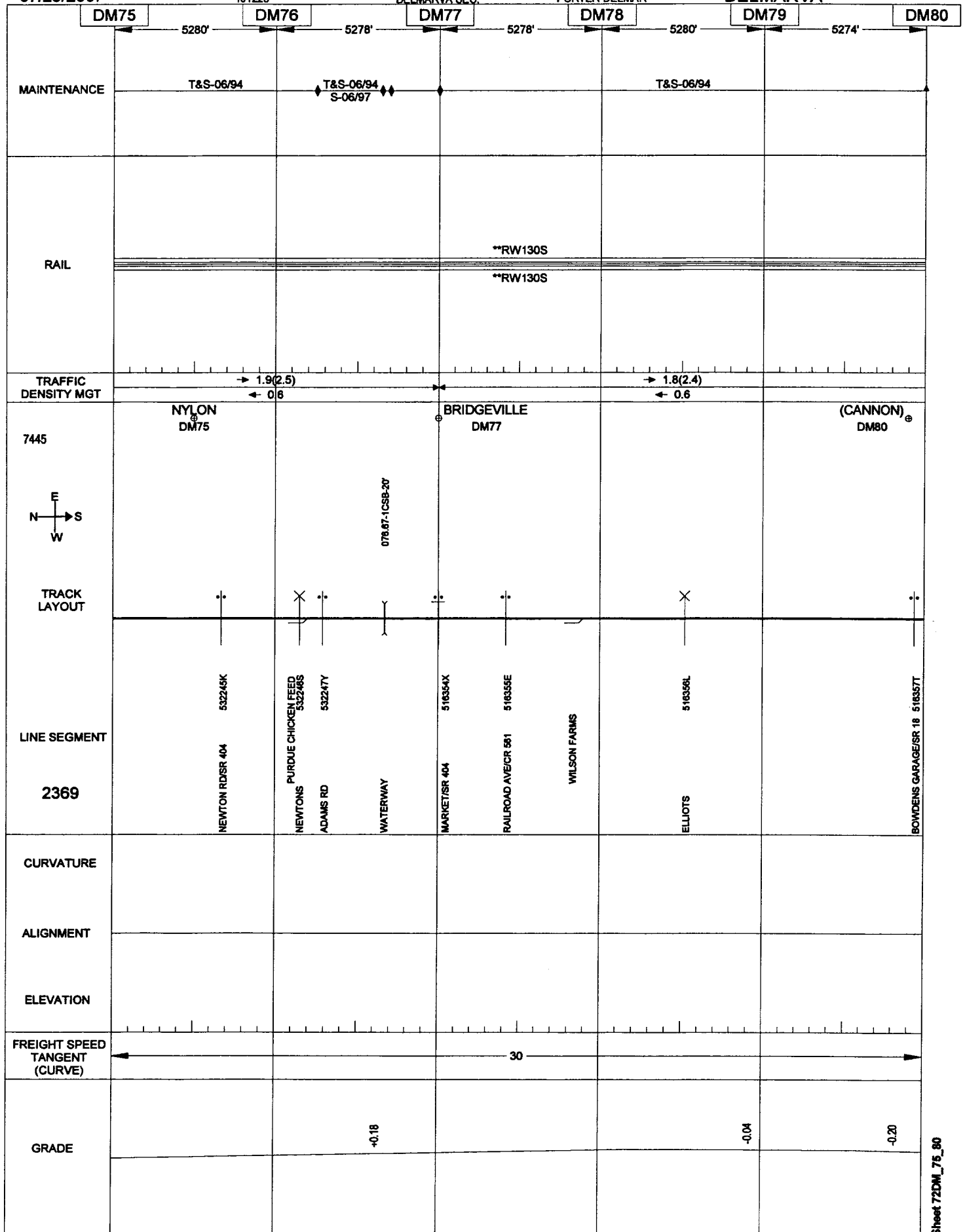
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430

DELMARVA SEC.

PORTER-DELMAR

DELMARVA



07/25/2007

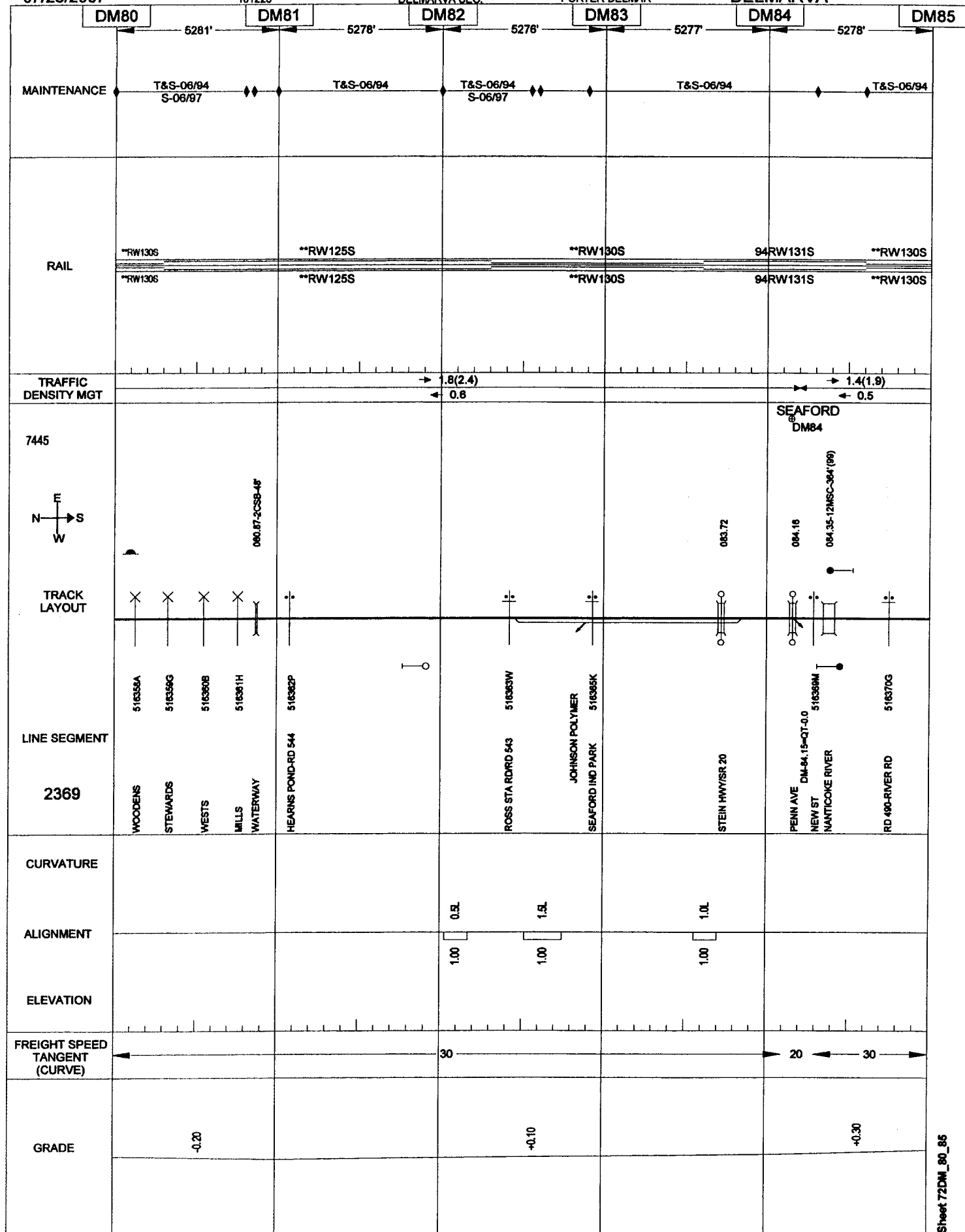
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431

DELMARVA SEC.

PORTER-DELMAR

DELMARVA





07/25/2007

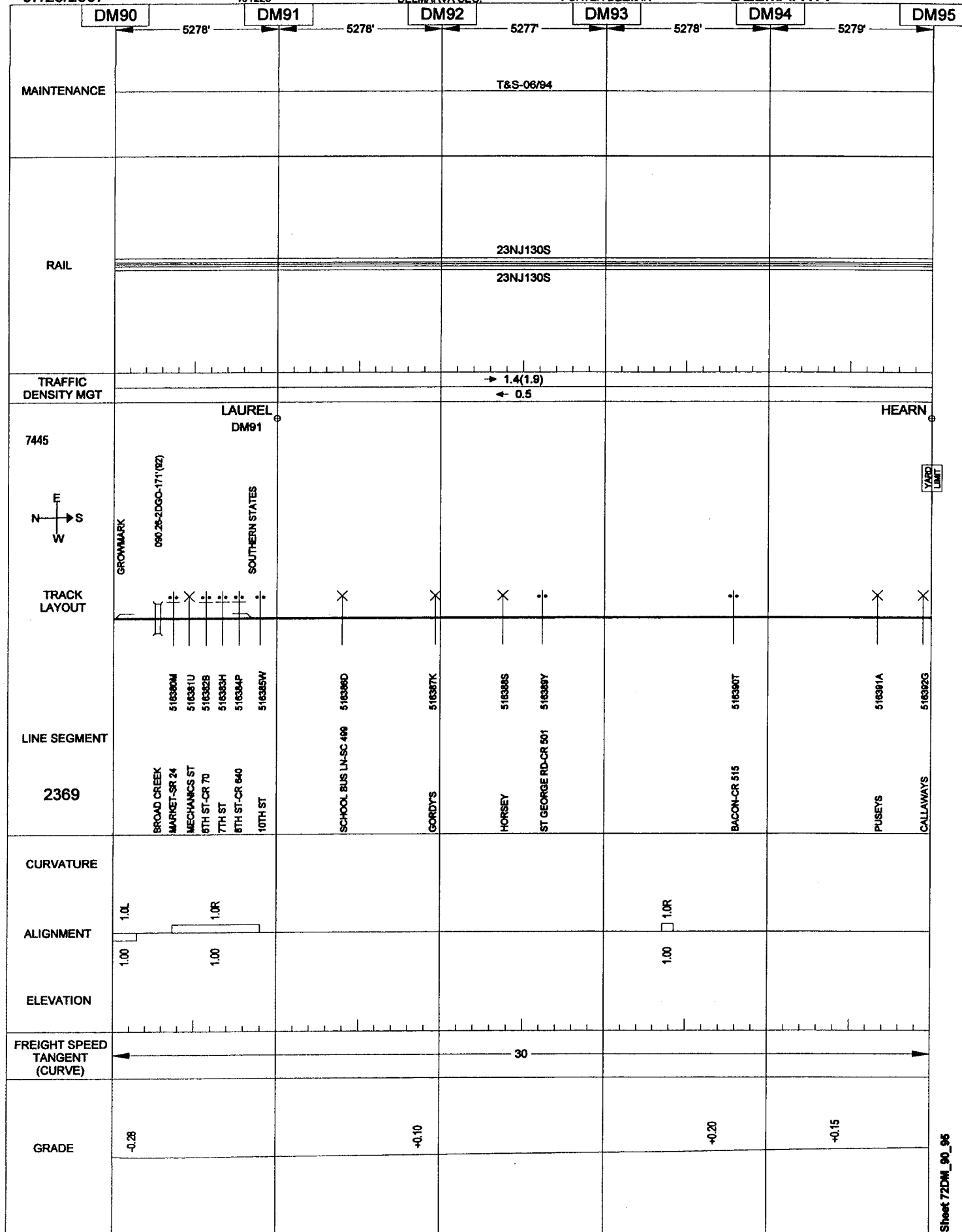
101223

433

DELMARVA SEC.

PORTER-DELMAR

DELMARVA



07/25/2007

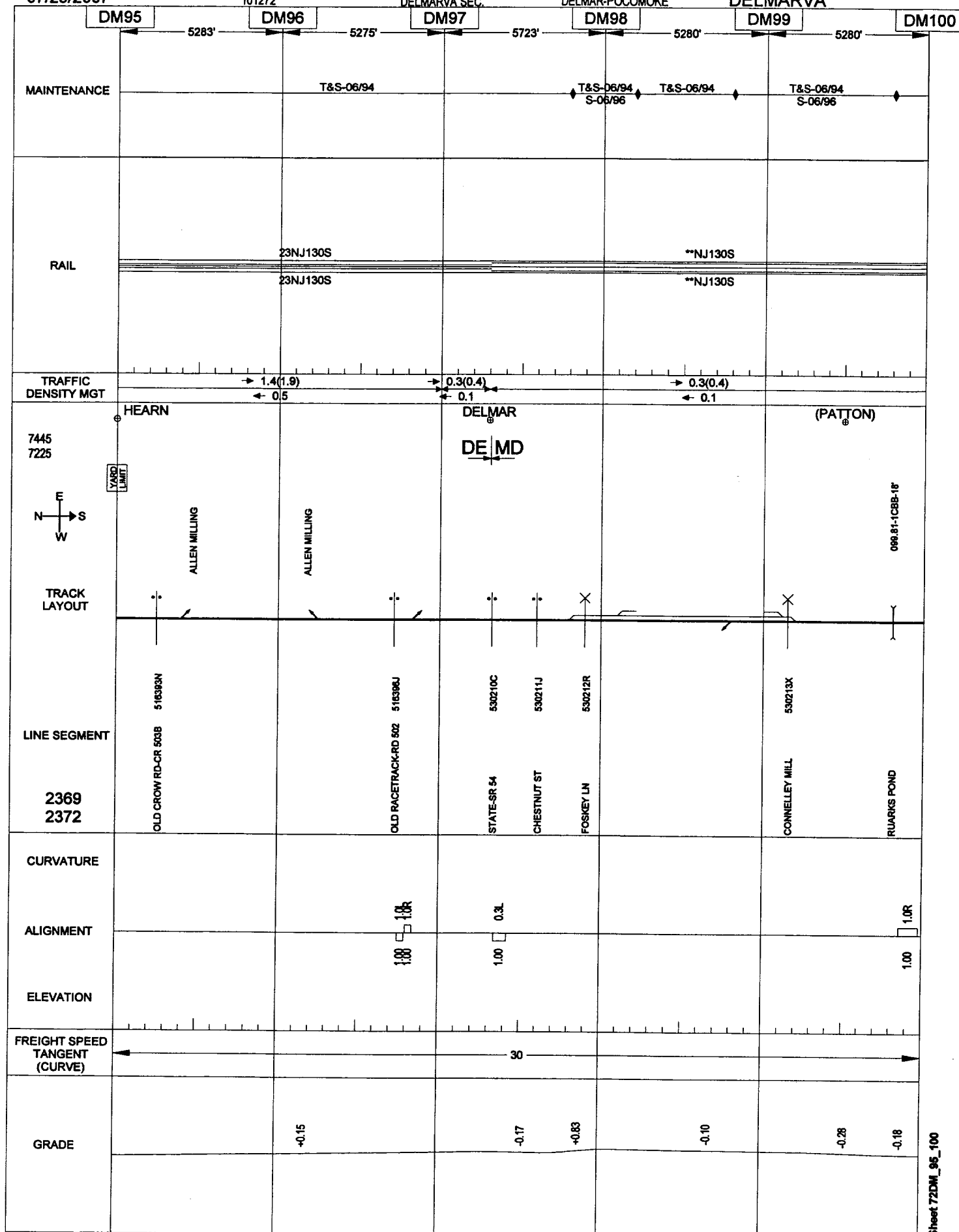
101272

434

DELMARVA SEC.

DELMAR-POCOMOKE

DELMARVA



07/25/2007

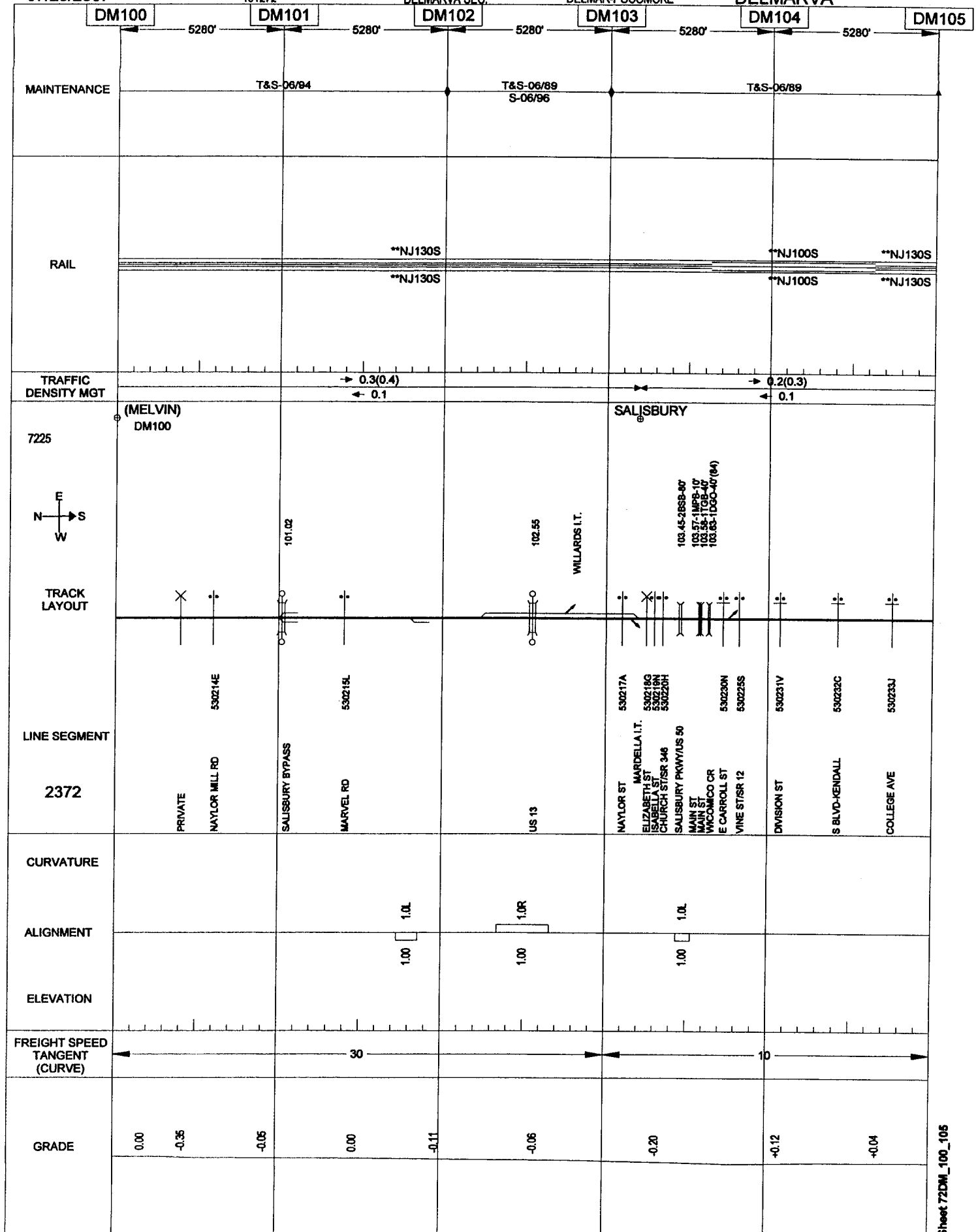
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435

DELMARVA SEC.

DELMAR-POCOMOKE

DELMARVA



07/25/2007

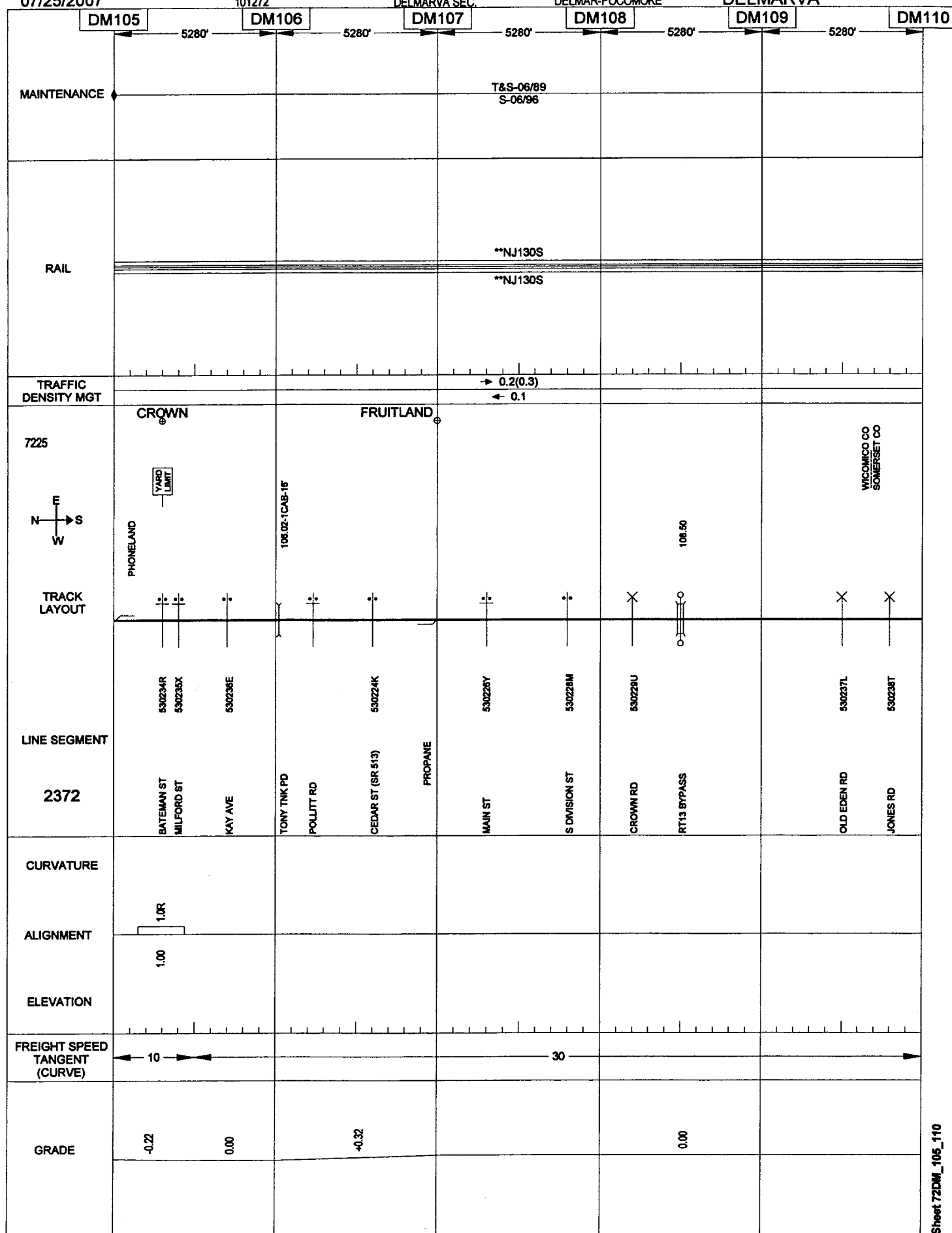
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436

DELMARVA SEC.

DELMAR-POCOMOKE

DELMARVA



07/25/2007


101272

437

DELMARVA SEC.

DELMAR-POCOMOKE

DELMARVA

	DM110	DM111	DM112	DM113	DM114	DM115
	5280'	5280'	5280'	5280'	5280'	5280'
MAINTENANCE			T&S-06/89 S-06/96			
RAIL			**NJ130S **NJ130S			
TRAFFIC DENSITY MGT			→ 0.2(0.3) ← 0.1			
7225	⊙ (EDEN)					
						
TRACK LAYOUT	X		X	+		+
LINE SEGMENT	530239A		530240J	530241B		
2372	CHURCH RD		PEGGY NECK	LORETTO-CR 528N		MCLEMMONS RD
CURVATURE						
ALIGNMENT			1.00 0.5R 0.5L		1.5L	
ELEVATION			1.00 1.00		1.00	
FREIGHT SPEED TANGENT (CURVE)			30			
GRADE	-0.24		0.00			



07/25/2007

101272

438

DELMARVA SEC.

DELMAR-POCOMOKE

DELMARVA

	DM115	DM116	DM117	DM118	DM119	DM120
	5280'	5280'	5280'	5280'	5280'	5280'
MAINTENANCE			T&S-06/89 S-06/96			
RAIL			**NJ130S **NJ130S			
TRAFFIC DENSITY MGT		→ 0.2(0.3) ← 0.1			→ 0.0(0.1) ← 0.1	
7225		PRINCESS ANNE DM116			KINGS CREEK	
		116.11-1CAB-22'		116.25-1CAB-14'	SHARP GAS 116.79-2CAB-44'	
TRACK LAYOUT	X X	X X X X	X X	X X	X X	X X
LINE SEGMENT	530255J	530243P	530246K	530251G	530252N	530253V
2372	WARRICKS UMES XING	ACADEMY/BROAD ST WATERWAY	ANTIOCH AVE	MULDER/GREENWOOD ST	H H ANDERSON RD BRANCH	PERRY RD CHRISFIELD I.T.
		530247S	530248Y	530250A	KING MILLER BRANCH	530254C
		OLD WESTOVER RD		C N BAUGHN RD		OLD STATE RD
CURVATURE						
ALIGNMENT		0.5L			1.0L	0.3L
ELEVATION		1.00			1.00	1.00
FREIGHT SPEED TANGENT (CURVE)			30			
GRADE		0.00	-0.16	0.00	-0.42	-0.18
					-0.14	+0.03

07/25/2007

101272

439

DELMARVA SEC.

DELMAR-POCOMOKE

DELMARVA

DM120

DM121

DM122

DM123

DM124

DM125

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-06/89  
S-06/96

RAIL

\*\*NJ130S

\*\*NJ130S

TRAFFIC  
DENSITY MGT→ 0.0(0.1)  
← 0.1(COSTEN)<sup>®</sup>

7225

TRACK  
LAYOUT

X

X

X

530258E

530259L

530572N

LINE SEGMENT

2372

STEVENSON

ARDEN STA RD

FOLLOW DITCH RD

CURVATURE

ALIGNMENT

ELEVATION

1.00 □ 0.1R

FREIGHT SPEED  
TANGENT  
(CURVE)

30

GRADE

+0.03

07/25/2007

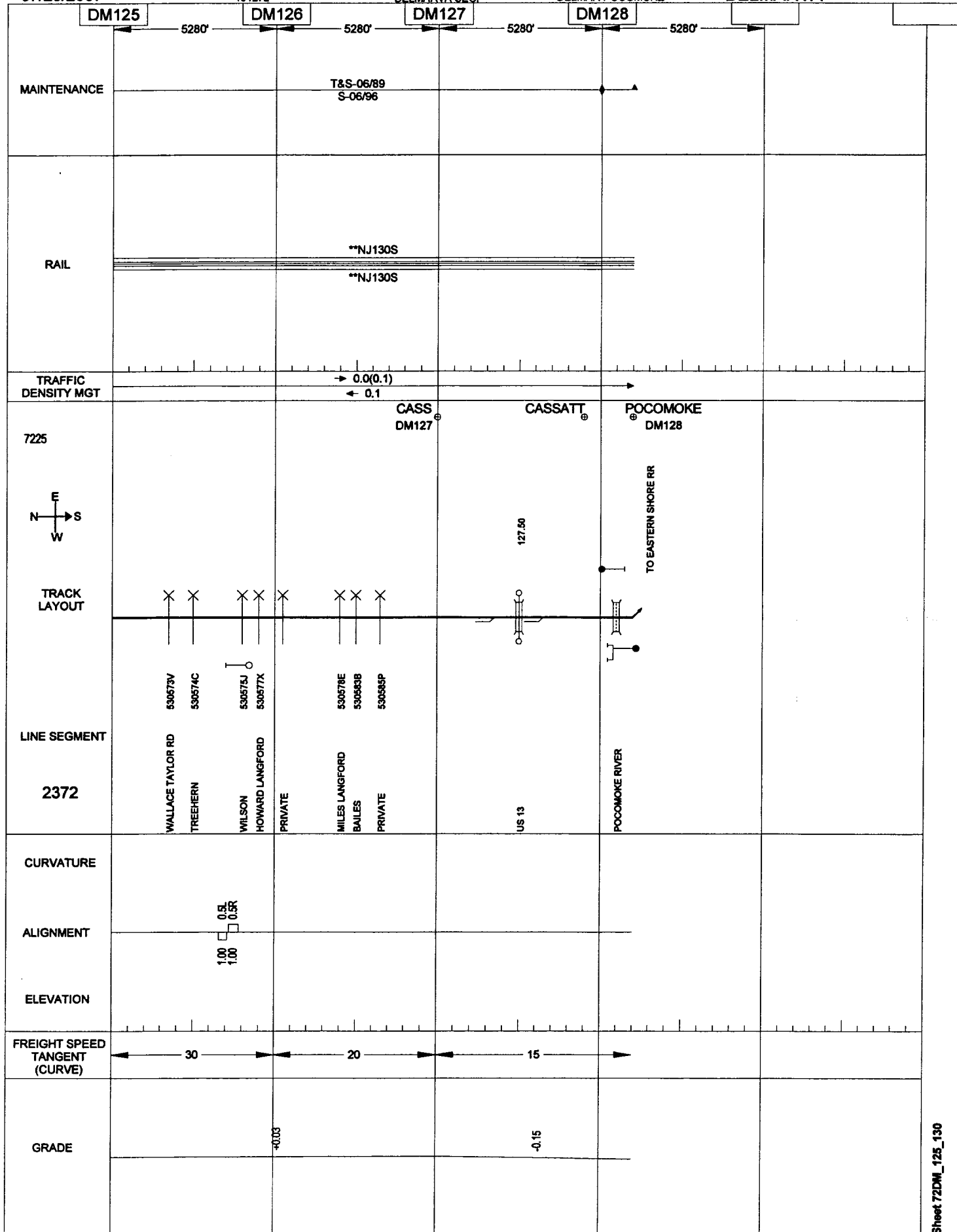
101272

440

DELMARVA SEC.

DELMAR-POCOMOKE

DELMARVA



07/25/2007

101233

441  
OXFORD I.T.

CLAYTON

DELMARVA

VQ0

5280'

MAINTENANCE

RAIL

\*\*NJ1308  
 \*\*NJ1308  
 \*\*NJ665  
 \*\*NJ665

TRAFFIC  
DENSITY MGT

7445

(CLAYTON)

W  
S — N  
E

TRACK  
LAYOUT

VQ-0.0=DM-38.90

913025T  
913026A531958P  
531959U

LINE SEGMENT

2852

MAIN ST  
WEST STSCHOOL LN  
PRIVATE

CURVATURE

ALIGNMENT

4.0R

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

← 10 →

GRADE

+0.17

+0.04

07/25/2007

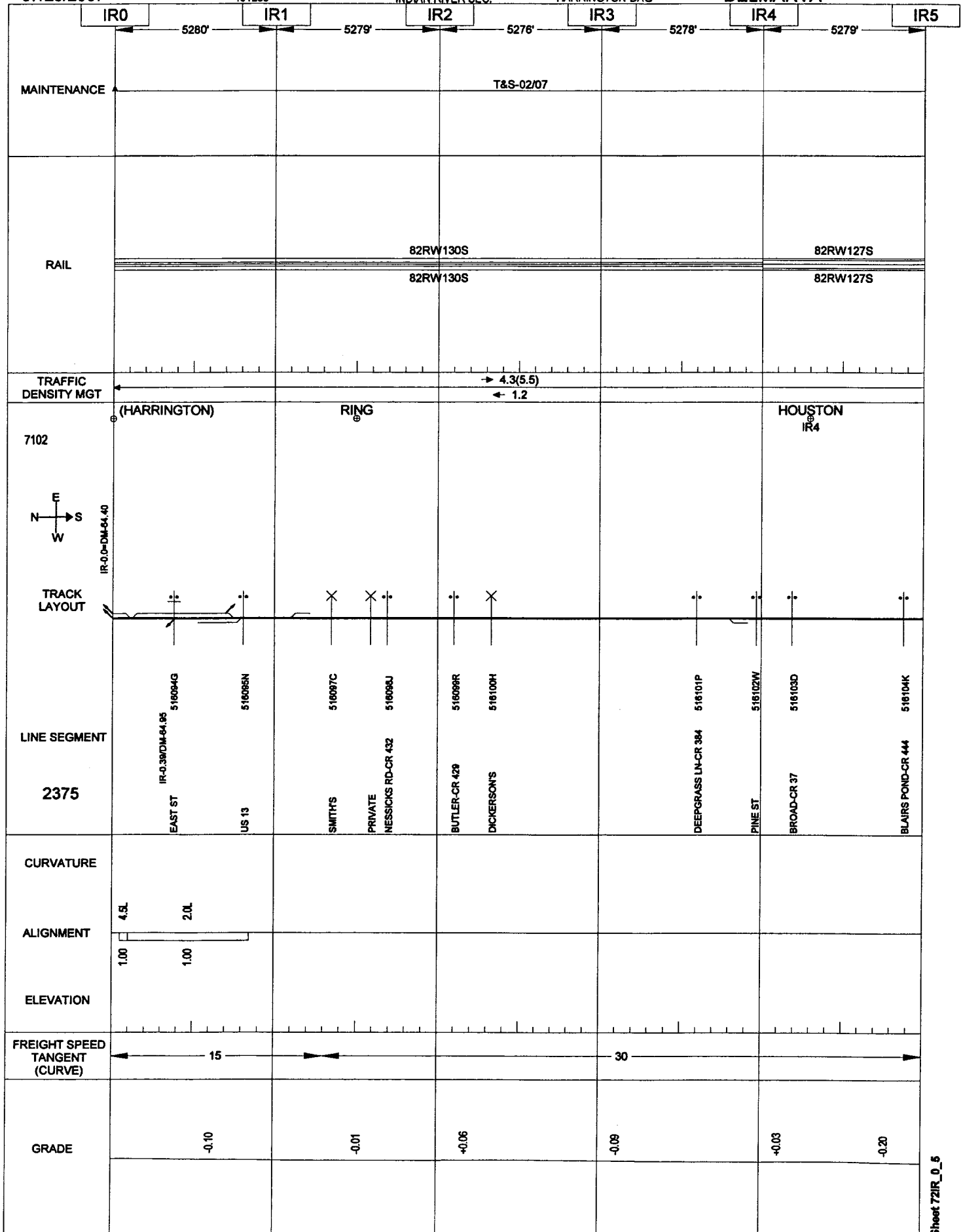
101235

442

INDIAN RIVER SEC.

HARRINGTON-DAG

DELMARVA



07/25/2007

101235

443

INDIAN RIVER SEC.

HARRINGTON-DAG

DELMARVA

IR5

IR6

IR7

IR8

IR9

IR10

5277'

5280'

5274'

5280'

5275'

MAINTENANCE

T&amp;S-02/07

RAIL

82RW127S

82RW131S

82RW127S

82RW131S

TRAFFIC  
DENSITY MGT→ 4.3(5.5)  
← 1.2

7102

TRACK  
LAYOUT

LINE SEGMENT

2375

(MILFORD)

FORD

KENT CO  
SUSSEX CO

008.07-1CSB-22'

008.18-1DGO-44'(79)

516105S  
HOLLYHILL RD-CR 447

PRIVATE

516106Y  
WILLIAMSTOWN-CR 443516107F  
US 113516108M  
PASSMORE

UPPR MLFRDR

LWR MLFRDR

CAUSEY-CR 36N

WALNUT-CR 36S

516109U

516110N

MC COY-CR 211

516112C

516113J  
BENNETTS

CURVATURE

ALIGNMENT

ELEVATION

1.00 2.0R

1.00 1.5L

1.00 3.0R

1.00 2.5R

1.00 0.5R

FREIGHT SPEED  
TANGENT  
(CURVE)

30

GRADE

-0.20

0.00

-0.11

-0.57

-0.03

+0.44

-0.34

+0.28

07/25/2007

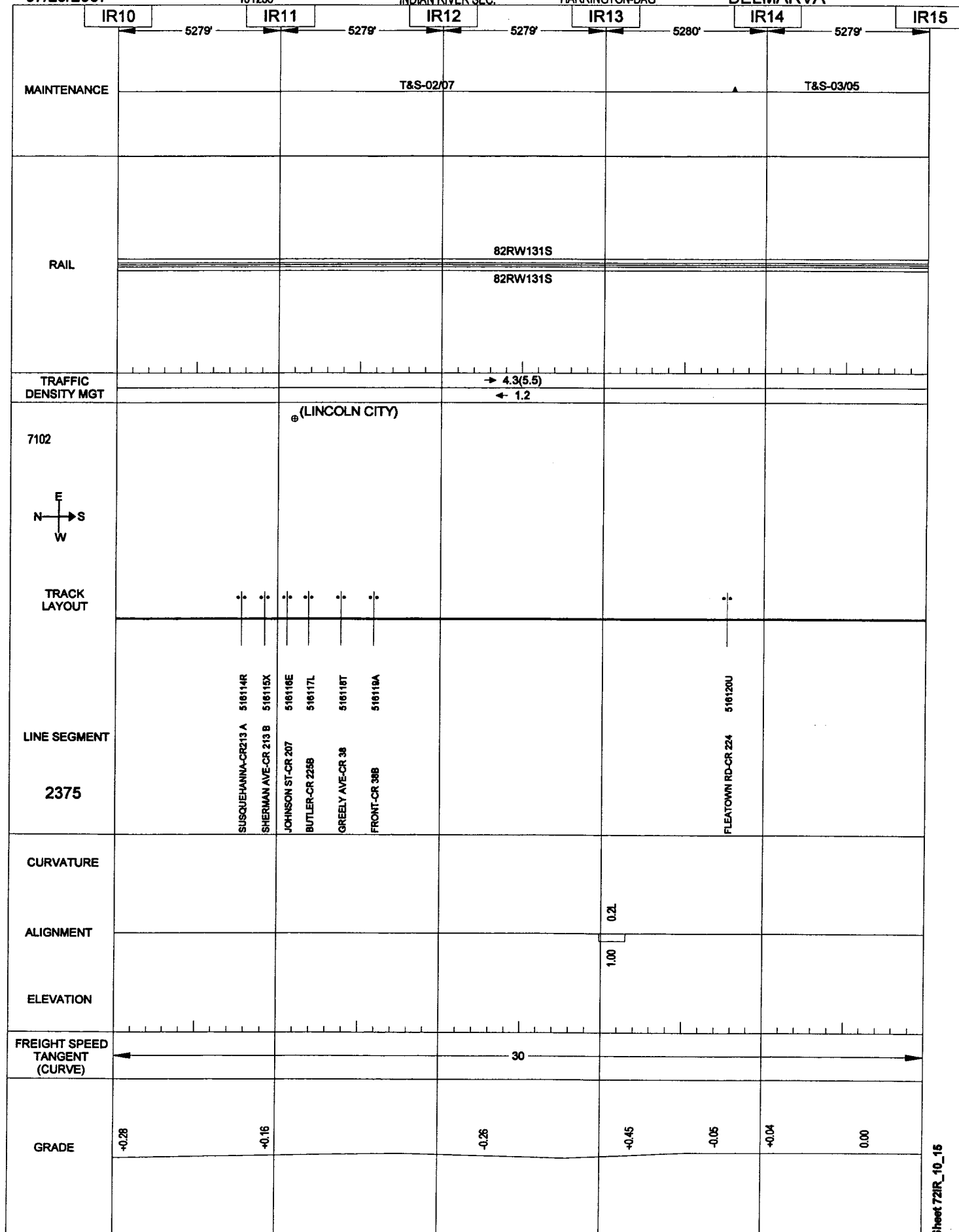
101235

444

INDIAN RIVER SEC.

HARRINGTON-DAG

DELMARVA



07/25/2007

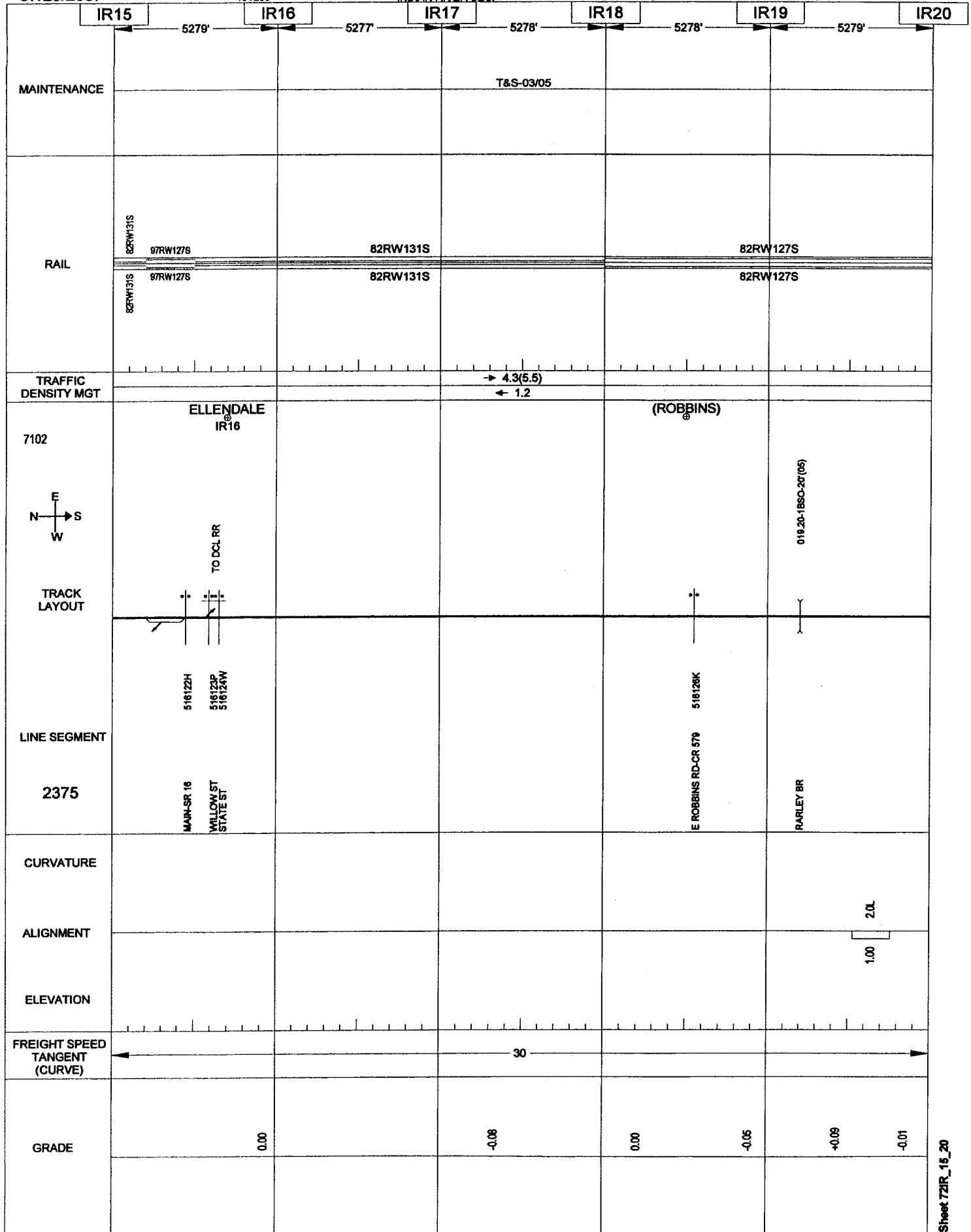
101235

445

INDIAN RIVER SEC.

HARRINGTON-DAG

DELMARVA







07/25/2007

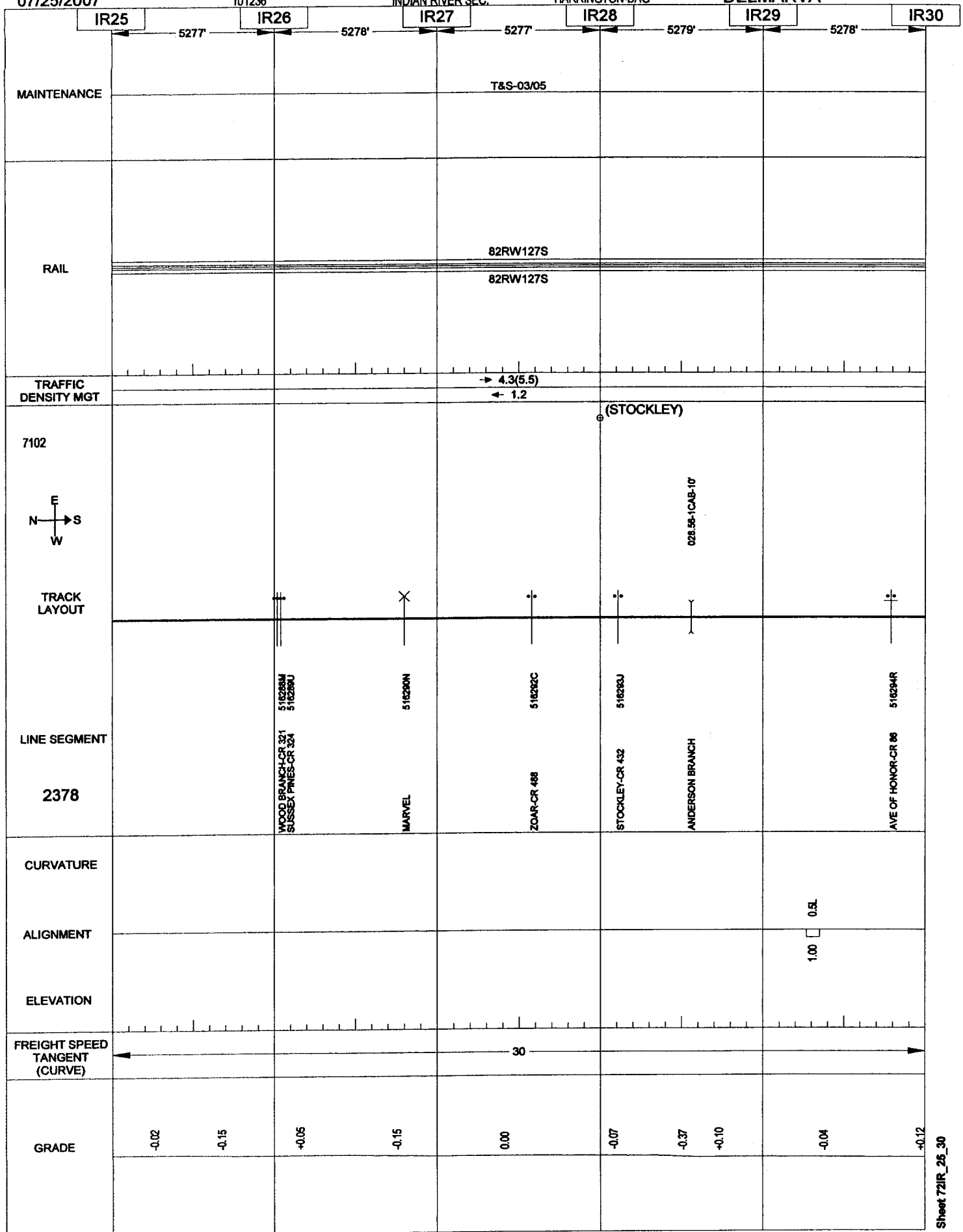
101236

447

INDIAN RIVER SEC.

HARRINGTON-DAG

DELMARVA



07/25/2007

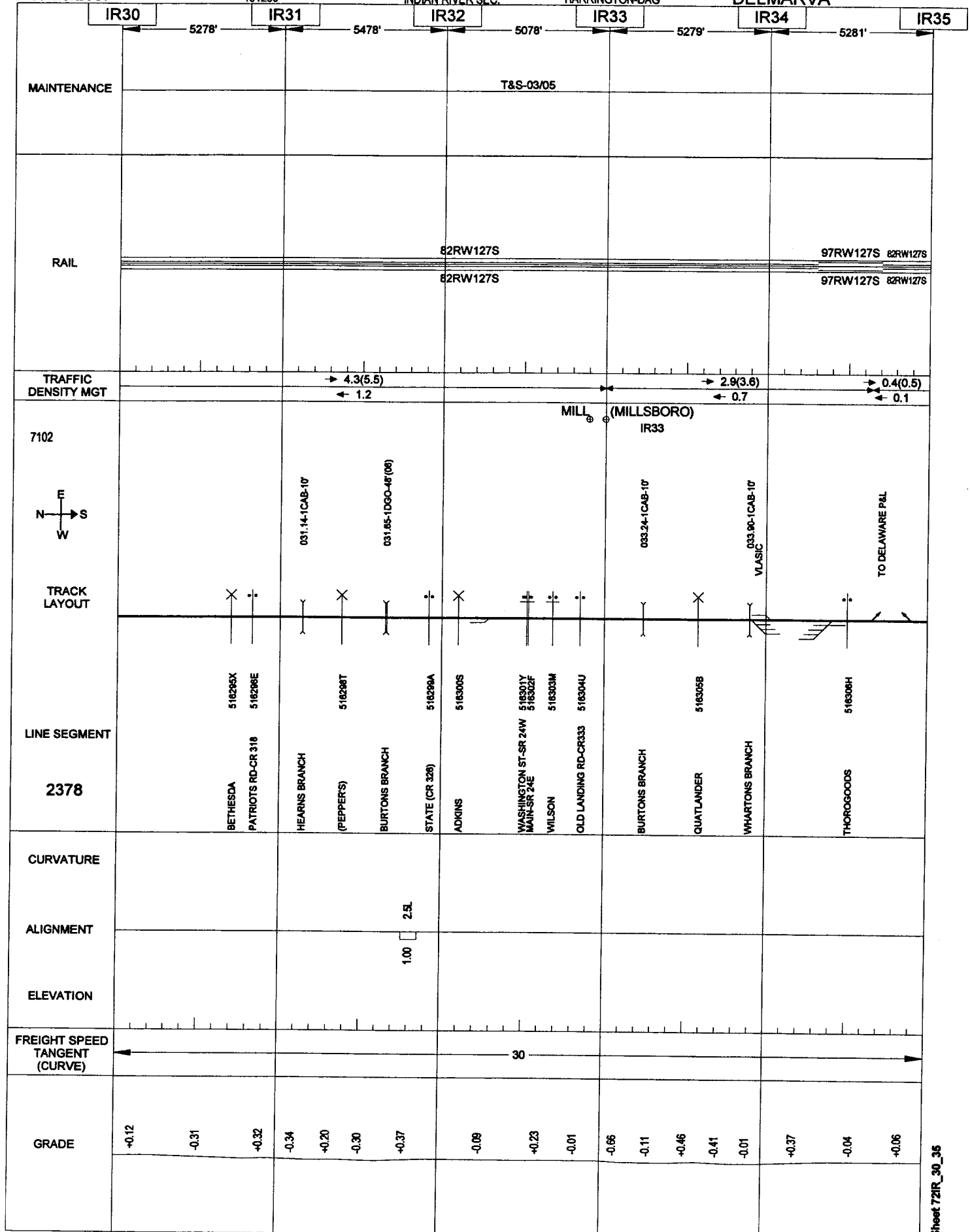
101236

448

INDIAN RIVER SEC.

HARRINGTON-DAG

DELMARVA



07/25/2007

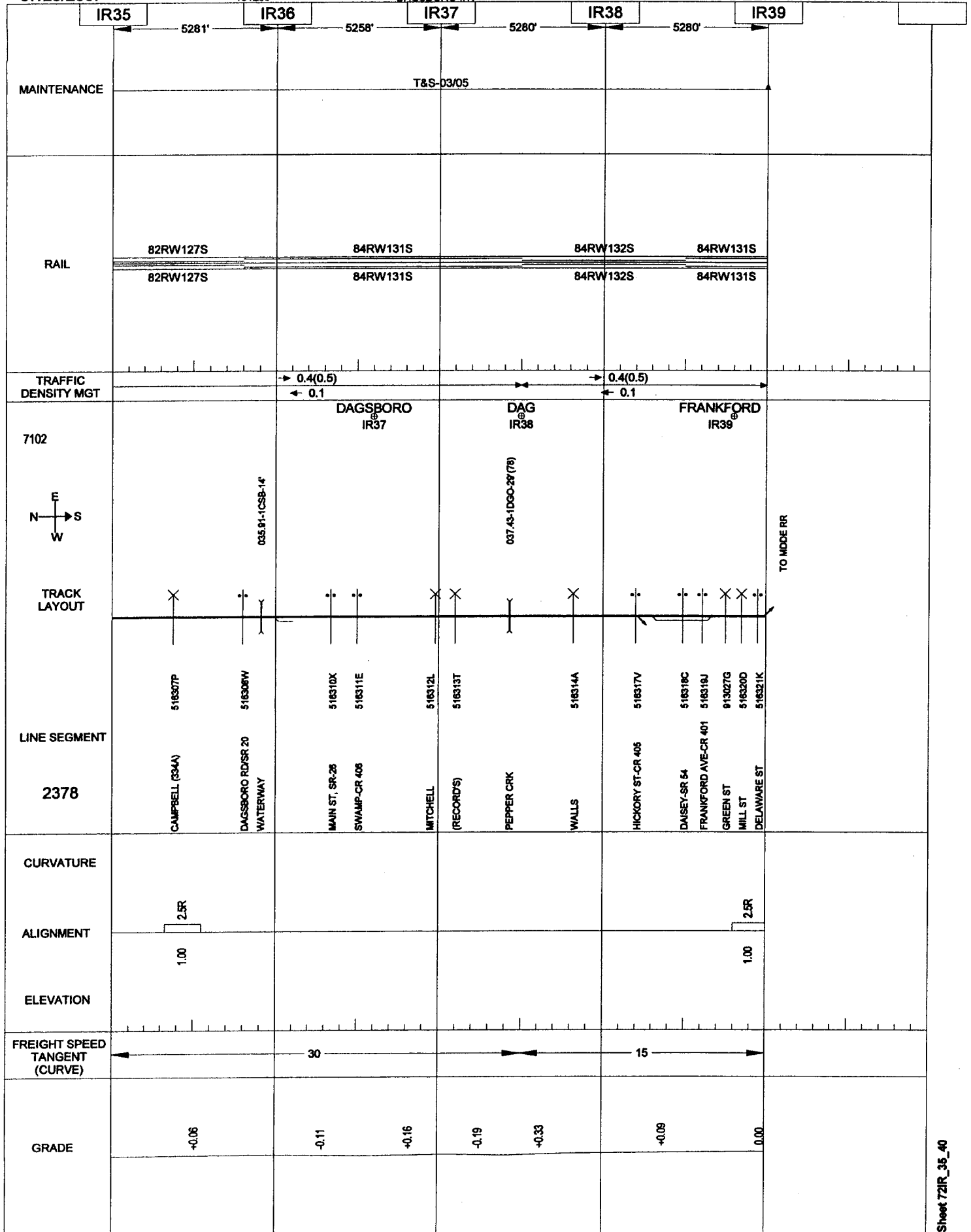
101236

449

DAGSBORO I.T.

DAG-FRANKFORD

DELMARVA



07/25/2007

101240

450

CAMBRIDGE I.T.

SEAFORD-GLEN MILLS

DELMARVA

QT0

QT1

QT2

5280'

5280'

5280'

MAINTENANCE

T&amp;S-06/84

RAIL

84RW127S

84RW127S

TRAFFIC  
DENSITY MGT(SEAFORD)  
QT1(GLEN MILLS)  
QT2

7445

TRACK  
LAYOUT

QT-0.0-DM-84.15

528638Y

528639F

528640A

528642N

528643V

528644C

528646R

528647X

MDPAC  
TO MDDE RR

LINE SEGMENT

2606

PORTER ST

B (CYPRESS) ST

HARRING ST

(DUPONT)

(DUPONT)

WOODLAND ST

FIGGS RD

STEIN HWY-CR 20

CURVATURE

ALIGNMENT

9.0R

4.0R

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.47

0.00

07/25/2007

101239

451

MARDELLA I.T.

SALISBURY

DELMARVA

MW42

5280'

5280'

5280'

5280'

MAINTENANCE

RAIL

\*\*RJ085S

\*\*RJ085S

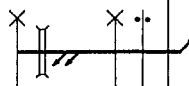
TRAFFIC  
DENSITY MGT

(SALISBURY)

TRACK  
LAYOUT

041.48-10WTC-120'

MW-42.05-DM-103.15



530500K

MW-41.85-MR-0.0

530488T

530488L

LINE SEGMENT

2555

LAKE ST  
MILL PONDN DIVISION ST  
US 13

CURVATURE

ALIGNMENT

ELEVATION

12.9R

1.00

10.7L

1.00

11.0L

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.79

-0.20

07/25/2007

101267

452

MILL STREET I.T.

SALISBURY-END

DELMARVA

MR0

3168'

MAINTENANCE

RAIL

\*\*NJ085S

\*\*NJ085S

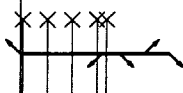
TRAFFIC  
DENSITY MGT

7575

(SALISBURY)



MR-0.0-MW-41.85

TRACK  
LAYOUT

LINE SEGMENT

3119

530478A  
530479G  
530480B  
530481H

ISABELLA ST  
MILL ST  
CHESTNUT ST  
LEMON HILL LN  
CEDAR ST

CURVATURE

ALIGNMENT

ELEVATION

12.9L

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-1.00

+0.21

07/25/2007

101239

453

WILLARDS I.T.

SALISBURY-PERDUE SIDING

DELMARVA

MW43

MW44

MW45

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-06/84

RAIL

84RW130S

84RW130S

TRAFFIC  
DENSITY MGT

7575

TRACK  
LAYOUT

Ⓢ (SALISBURY)

MW-42.05-DM-102.75

LINE SEGMENT

2555

X

X

X

X

X

X

X

530477T

530473R

530472J

530471C

530476V

530469B

530468U

BROWN ST

TRUITT ST

PRISCILLA ST

HAMMOND ST

MOSS HILL LN

BEAGLIN PARK RD

PARKER RD

CURVATURE

ALIGNMENT

ELEVATION

2.0L

1.00

10

15

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

-0.20

-0.40

-0.10

-0.20

0.00



07/25/2007

101239

454

WILLARDS I.T.

SALISBURY-PERDUE SIDING

DELMARVA

MW45

5280'

MAINTENANCE

T&amp;S-06/84

RAIL

84RW130S

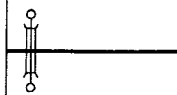
84RW130S

TRAFFIC  
DENSITY MGT

7575



045.10

TRACK  
LAYOUT

LINE SEGMENT

2555

US 13 BYPASS

CURVATURE

ALIGNMENT

1.0R

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

0.00

## Explanation of Graphic Display Conventions

### Top Margin - (Left to Right)

- 1) Date 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, and From-To Station names. (Original CR System)
- 3) Operating Division name.
- 4) Sheet number within Operating Division.

### Milepost Data Band -

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

### Maintenance Section -

The T&S date is displayed above each main and the surfacing date is 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).

### Rail Section -

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).

Two asterisks (\*\*) in the year laid area indicate an unknown rail laid date.

### 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. For open deck bridges, tie replacement dates (year) are provided in parentheses following the bridge technical specifications. Single main track with one redecking date is displayed as (XX). If two dates are available they are displayed as (XX,XX). If three or more dates are available they are displayed as a range (XX-XX) with the first year being the earliest date and the second year being the latest date. This same convention applies to multiple main tracks with the first set of ( ) containing track 1 data, the second set of ( ) containing track 2 data, the third set of ( ) etc.. If page space limitations do not allow the dates to be displayed after the bridge specifications these dates are displayed in any space available adjacent to the specifications. More detailed information for all open deck bridges is provided in Table 3 which follows this Explanation of Graphic Display section.
- 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. Connections with other lines are typically indicated by a milepost equation (see item 8) or the identity of the connecting line (for example, "Begin Piedmont Division" or "To CSX"). Details of this display are limited to switches on main track and adjacent track. In some cases yard track symbols are used to indicate the presence of multiple tracks too complex to show in detail. 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: Owning 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.
  - Milepost equations 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, length, and superelevation for each main.
- 2) Curvature is specified to tenths of a degree above each main along with left/right indication. Superelevation is specified in inches.
- 3) Location of wheel flange and top of rail lubricators is given along mains.

#### **Freight Speed Section -**

Curve and tangent speed limits are 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 TYPE CODES**

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

**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**

**TABLE 3**  
**OPEN DECK BRIDGE INFORMATION**

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
70	000.27-DG	000.27	01	1976
29	AF-006.11	006.15	01	2001
29	AF-006.11	006.15	02	2001
30	AF-011.35	011.35	BOTH	1991
80	AV-104.06	104.06	01	1987
129	BR-003.53	003.53	01	1981
136	BR-035.28	035.28	01	2001
136	BR-035.58	035.58	01	2001
136	BR-039.47	039.47	01	2001
141	BR-062.36	062.40	01	2005
141	BR-063.72	063.72	01	1982
143	BR-070.68	070.72	01	1987
145	BR-084.72	084.72	01	1982
147	BR-091.65	091.65	01	1985
148	BR-097.07	097.07	01	2006
148	BR-097.26	097.28	01	1976
154	BR-126.20	126.20	01	1985
154	BR-129.70	129.70	01	1990
155	BR-134.48	134.48	01	1998
156	BR-136.11	136.16	01	1985
156	BR-138.15	138.17	01	1998
157	BR-142.04	142.08	01	1981
157	BR-142.76	142.78	01	1990
158	BR-148.11	148.13	01	1990
159	BR-151.40	151.42	01	1998
159	BR-153.92	154.00	01	1976
161	BR-160.21	160.23	01	1976
166	BR-188.49	188.49	01	2001
166	BR-189.75	189.97	01	1976
168	BR-198.19	198.19	01	1976
177	BR-240.89	240.89	01	1976
177	BR-244.28	244.28	01	2001
178	BR-246.22	246.22	01	2004
185	BR-284.93	284.97	01	2003
271	BV-000.14	000.14	01	1990
271	BV-003.29	003.29	01	1994
127	BX-001.06	001.06	01	2001
127	BX-002.09	002.09	01	NA
127	BX-003.73	003.73	01	2001
127	BX-004.56	004.56	01	2001
127	BX-004.70	004.70	01	2001
127	BX-004.72	004.72	01	2001
65	DG-000.04	000.04	01	1976
423	DM-044.43	044.43	01	2003
423	DM-044.75	044.75	01	2001
427	DM-060.71	060.71	01	1998
431	DM-084.35	084.35	01	1999
433	DM-090.26	090.26	01	1992
435	DM-103.63	103.63	01	1984
440	DM-128.10	127.81	01	1984
41	EI-009.07	009.07	01	2001
41	EI-009.75	009.75	01	1980
242	EP-051.61	051.61	BOTH	2003
			BOTH	1995
245	EP-069.27	069.27	BOTH	1981
79	ER-086.62	086.62	01	1970

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
44	FJ-009.28	009.28	01	2001
415	FK-003.16	003.12	01	1997
191	FV-000.86	000.86	01	1980
191	FV-001.53	001.53	01	1960
191	FV-002.70	002.70	01	1961
191	FV-004.46	004.46	01	1976
192	FV-005.54	005.54	01	1957
222	GG-000.15	000.15	01	1970
367	GL-018.98	018.98	01	1982
367	GL-019.13	019.13	01	1990
368	GL-021.77	021.77	01	1972
368	GL-022.40	022.41	01	1973
371	GL-035.16	035.15	01	1985
371	GL-035.29	035.29	01	1990
372	GL-041.51	041.59	01	1977
374	GL-051.53	051.59	01	1983
376	GL-060.09	060.09	01	1983
376	GL-064.68	064.70	01	1982
377	GL-065.68	065.70	01	1982
27	GV-012.45	012.15	01	1989
27	GV-012.51	012.21	01	1969
405	HE-001.98	001.98	01	1992
405	HE-003.21	003.21	01	NA
281	HI-003.92	003.92	01	1970
126	HJ-000.50	000.50	01	1994
126	HJ-001.00	001.00	01	1994
126	HJ-001.06	001.06	01	1988
126	HJ-001.08	001.08	01	1988
110	HN-017.45	017.50	01	1981
110	HN-017.76	017.86	01	1983
1	HP-005.67	005.67	BOTH	1983
8	HP-041.12	041.12	BOTH	1983
21	HP-109.64	109.64	BOTH	1990
207	HW-041.04	041.14	01	1976
443	IR-008.18	008.18	01	1979
445	IR-019.20	019.20	01	2005
446	IR-020.72	020.72	01	1997
448	IR-031.65	031.65	01	2006
449	IR-037.43	037.43	01	1978
341	IS-217.01	217.01	01	NA
344	IS-234.92	234.92	01	1981
348	IS-252.01	252.01	01	1982
348	IS-253.47	253.47	01	NA
348	IS-254.38	254.59	01	1983
349	IS-256.29	256.29	01	1983
351	IS-265.98	265.96	01	NA
351	IS-266.89	266.89	01	NA
351	IS-267.27	267.67	01	1985
352	IS-272.18	272.20	01	1983
354	IS-281.71	281.71	01	1999
355	IS-285.88	285.88	01	2000
355	IS-288.18	288.18	01	2001
355	IS-288.22	288.22	01	1982
355	IS-289.61	289.61	01	1982
356	IS-292.67	292.62	01	1990
357	IS-296.74	296.76	01	1983
357	IS-298.21	298.21	01	1982
357	IS-299.58	299.60	01	1981
358	IS-301.84	301.84	01	1980
358	IS-303.65	303.69	01	1983
358	IS-303.87	303.91	01	1982

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
358	IS-304.61	304.63	01	1990
358	IS-304.94	304.94	01	1985
359	IS-306.04	305.98	01	NA
359	IS-306.83	306.83	01	1983
359	IS-306.95	306.96	01	1989
359	IS-307.98	307.98	01	1981
359	IS-308.31	308.27	01	1982
359	IS-309.44	309.44	01	1985
359	IS-309.77	309.72	01	1993
360	IS-310.20	310.16	01	1981
360	IS-310.24	310.19	01	1993
360	IS-312.62	312.52	01	1992
360	IS-313.42	313.38	01	2000
360	IS-314.26	314.22	01	1981
360	IS-314.84	314.83	01	1982
362	IS-320.87	320.87	01	NA
66	JV-072.47	072.47	01	1970
96	JW-146.23	146.23	01	1970
81	LB-084.24	084.24	01	1970
82	LB-089.15	089.15	01	1976
83	LB-090.15	090.15	01	1976
83	LB-091.96	091.96	01	2005
83	LB-092.35	092.35	01	1976
83	LB-093.03	093.03	01	2006
83	LB-093.49	093.49	01	1976
83	LB-094.50	094.50	01	2005
86	LB-107.53	107.53	01	2006
87	LB-112.15	112.15	01	2005
87	LB-112.80	112.80	01	2003
87	LB-114.28	114.28	01	1986
47	LE-044.17	044.24	01	2004
49	LE-051.52	051.52	01	2003
49	LE-053.68	053.72	01	1970
50	LE-057.11	057.10	01	1999
50	LE-057.17	057.17	01	1999
50	LE-057.92	057.89	01	1976
50	LE-058.00	057.97	01	1981
54	LE-076.60	076.65	01	1976
54	LE-076.82	076.78	01	1976
54	LE-079.43	079.43	BOTH	1982
56	LE-086.03	086.03	01	1995
56	LE-086.03	086.03	02	2005
56	LE-088.70	088.74	01	1998
56	LE-088.80	088.80	01	1983
56	LE-088.83	088.86	01	2002
200	LG-010.31	010.31	01	2004
200	LG-010.39	010.39	01	2004
201	LG-015.54	015.54	01	1988
201	LG-019.39	019.29	01	2002
201	LG-019.46	019.36	01	1994
202	LG-021.35	021.34	01	2002
202	LG-021.70	021.70	01	1976
202	LG-021.87	021.87	01	2002
203	LG-025.05	025.05	01	1980
203	LG-028.37	028.37	01	2005
204	LG-033.01	033.03	01	1996
206	LG-040.87	040.87	01	1970
89	LH-121.46	121.46	01	1982
89	LH-121.46	121.46	02	2006
226	LI-001.80	001.80	01	2006
227	LI-008.39	007.71	01	2001



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227	LI-009.06	009.06	01	2001
383	LX-005.79	005.79	01	1996
383	LX-008.92	008.92	01	1999
383	LX-009.36	009.36	01	1986
384	LX-012.01	012.01	01	1983
384	LX-012.18	012.18	01	1992
384	LX-014.09	014.09	01	1984
385	LX-016.72	016.72	01	1984
385	LX-017.15	017.15	01	1984
385	LX-018.59	018.59	01	1984
385	LX-018.93	018.93	01	1981
385	LX-019.31	019.31	01	1999
385	LX-019.60	019.60	01	1986
385	LX-019.91	019.91	01	1984
104	MV-021.80	021.99	01	2002
104	MV-024.01	024.18	01	NA
379	MX-000.60	000.60	01	NA
275	NK-010.18	010.18	01	1976
275	NK-012.42	012.42	01	1976
275	NK-013.02	013.02	01	1976
64	OR-080.53	080.53	01	NA
268	OV-000.60	000.60	01	1991
230	PD-001.29	001.29	01	2003
230	PD-003.63	003.63	01	2005
236	PD-032.96	032.99	01	1990
236	PD-033.00	033.06	01	1988
237	PD-039.03	039.03	BOTH	1988
59	PO-000.35	000.35	01	1990
			01	1980
59	PO-001.19	001.19	01	1984
59	PO-002.80	002.96	01	2006
59	PO-004.18	004.18	01	1983
59	PO-004.65	004.65	01	1976
60	PO-005.50	005.66	01	1983
60	PO-007.37	007.19	01	1983
60	PO-007.60	007.40	01	2005
60	PO-008.54	008.48	01	1988
60	PO-009.21	009.15	01	1986
60	PO-009.55	009.49	01	1986
60	PO-009.76	009.69	01	1987
61	PO-011.38	011.31	01	1976
61	PO-013.51	013.51	01	1984
63	PO-021.08	020.98	01	1988
114	PX-000.62	000.62	01	1992
114	PX-000.79	000.79	01	1956
114	PX-003.74	003.74	01	1964
114	PX-004.85	004.85	01	1989
			01	1981
115	PX-006.75	006.75	01	1980
115	PX-007.50	007.50	01	1994
68	QE-064.76	064.76	01	1984
68	QE-064.98	064.98	01	1970
92	QH-002.75	002.75	01	1986
93	QH-007.07	007.07	01	1987
94	QH-010.32	010.32	01	1988
94	QH-010.70	010.70	01	1988
399	QM-000.59	000.59	01	1985
35	RV-024.81	024.81	BOTH	2003
38	RV-035.43	035.37	BOTH	2000
38	RV-035.68	035.62	01	1977
38	RV-035.68	035.62	02	2000
38	RV-035.84	035.71	BOTH	2004

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38	RV-035.86	035.73	BOTH	2004
73	SE-000.65	000.64	01	1982
73	SE-001.03	001.08	01	1970
73	SE-002.41	002.52	01	1986
73	SE-004.85	004.89	01	1986
74	SE-005.02	005.02	01	1986
74	SE-005.23	005.26	01	1985
74	SE-005.67	005.69	01	1986
74	SE-006.15	006.18	01	1988
74	SE-007.45	007.47	01	1988
74	SE-007.66	007.68	01	1986
74	SE-009.17	009.27	01	1985
74	SE-009.72	009.74	01	1981
74	SE-009.95	009.95	01	1985
75	SE-010.27	010.31	01	1981
75	SE-011.46	011.46	01	1985
75	SE-011.54	011.54	01	1985
75	SE-014.60	014.62	01	1988
76	SE-018.02	018.02	01	1970
76	SE-019.15	019.18	01	1988
215	SI-009.21	009.21	01	1991
215	SI-009.55	009.55	01	1991
217	SI-017.79	017.79	01	1968
295	SR-214.15	214.15	01	1988
295	SR-214.15	214.15	02	1992
296	SR-217.80	217.80	BOTH	1986
296	SR-217.99	217.99	BOTH	1979
296	SR-218.76	218.76	BOTH	1979
297	SR-224.18	224.18	01	2005
297	SR-224.18	224.18	02	1996
299	SR-233.32	233.32	01	2005
299	SR-233.32	233.32	02	1979
300	SR-236.71	236.71	01	1977
300	SR-236.71	236.71	02	1989
300	SR-236.86	236.86	01	1983
300	SR-236.86	236.86	02	1988
300	SR-238.31	238.31	BOTH	2003
301	SR-241.53	241.53	01	2001
301	SR-241.53	241.53	02	1999
302	SR-247.18	247.18	01	1989
302	SR-247.18	247.18	02	1990
302	SR-248.20	248.20	01	1988
302	SR-248.20	248.20	02	1981
303	SR-252.00	252.00	01	1999
303	SR-252.00	252.00	02	1986
303	SR-254.17	254.17	01	1999
303	SR-254.17	254.17	02	1994
303	SR-254.20	254.21	01	1988
303	SR-254.20	254.21	02	1983
303	SR-254.36	254.36	01	1999
303	SR-254.36	254.36	02	1981
304	SR-255.30	255.30	01	1981
304	SR-257.39	257.39	01	1987
304	SR-258.06	258.05	01	2003
304	SR-258.70	258.70	01	1981
304	SR-258.93	258.93	01	1980
305	SR-261.03	261.04	01	1981
306	SR-266.09	266.09	01	2004
306	SR-269.31	269.31	01	1980
307	SR-272.20	272.20	01	2006
307	SR-273.99	273.99	01	1985
309	SR-281.10	281.10	01	1995

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309	SR-282.33	282.33	01	1980
309	SR-282.37	282.37	01	1980
309	SR-282.83	282.83	01	2005
309	SR-283.18	283.11	01	1985
309	SR-283.43	283.43	01	2005
312	SR-298.15	298.15	01	1984
312	SR-299.02	299.02	01	1987
312	SR-299.59	299.59	01	1998
315	SR-310.08	310.08	01	1992
317	SR-324.90	324.90	01	1986
318	SR-328.18	328.18	01	1998
319	SR-330.66	330.66	01	1981
319	SR-332.00	332.02	01	2004
320	SR-335.04	335.05	01	1985
321	SR-343.49	343.49	01	2004
321	SR-343.99	343.99	01	2006
322	SR-345.29	345.29	01	2001
322	SR-347.70	347.70	01	1987
322	SR-348.58	348.58	01	1984
322	SR-349.86	349.86	01	1984
323	SR-350.45	350.53	01	1980
325	SR-361.58	361.66	01	1983
329	SR-381.47	381.47	01	1986
331	SR-392.78	392.78	01	1998
331	SR-392.83	392.83	01	2000
335	SR-413.93	413.93	01	1983
336	SR-415.52	415.52	01	2003
196	SV-000.09	000.09	01	1976
196	SV-000.40	000.40	01	1976
197	SV-006.42	006.42	01	1976
97	TH-146.79	146.79	01	1988
97	TH-147.09	147.09	01	1988
97	TH-148.08	148.08	01	1988
97	TH-149.42	149.42	01	1988
286	TO-019.73	019.73	01	NA
219	UH-007.80	007.80	01	1987
112	VE-000.07	000.07	01	1991
112	VE-000.47	000.47	01	NA
112	VE-000.77	000.77	01	1991
266	VI-001.41	001.41	01	1970
71	VM-061.01	061.01	01	1970
72	VM-065.74	065.74	01	1970
396	VT-195.39	195.39	01	2001
78	VY-000.17	000.17	01	1970
288	WD-059.64	059.64	01	1986
289	WD-061.49	061.49	01	1984
292	WD-075.49	075.49	01	NA
292	WD-079.75	079.75	01	1984
193	WH-001.11	001.11	01	1976
193	WH-003.25	003.25	01	1976
193	WH-004.19	004.19	01	1976
193	WH-004.74	004.74	01	2001
194	WH-005.37	005.37	01	1992
194	WH-006.42	006.42	01	1989
194	WH-008.23	008.23	01	1991
194	WH-008.60	008.60	01	2001
195	WH-010.73	010.73	01	1988
195	WH-011.20	011.20	01	1982
195	WH-013.56	013.56	01	1988
414	YI-000.42	000.42	01	1978
264	YR-010.13	010.13	01	1976
261	YX-008.53	008.53	01	1976