



**NORFOLK  
SOUTHERN**

# **Pittsburgh Division**

**2006**

**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).**

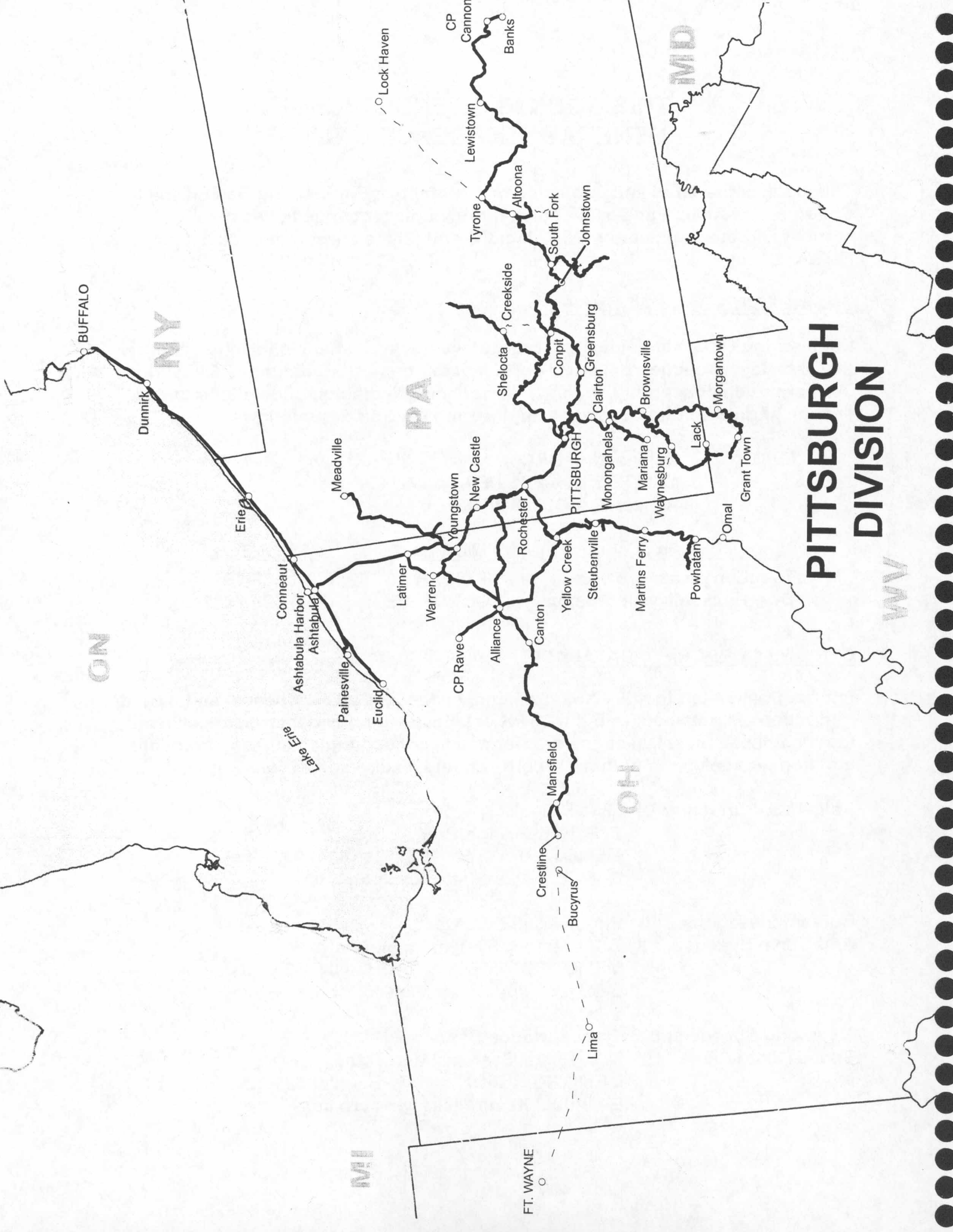
**Engineering D&C maintains a departmental database, which is used to generate the track layout section or center portion of the track chart diagram. Questions or information concerning changes, corrections, additions, or deletions to this section should be directed to the Engineering D&C office as follows:**

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**Information related to rail, T&S, surfacing, curves, elevation, speeds, and, speed restrictions is obtained from the CTRK database. Various departments own and maintain these files. Questions or information concerning changes, corrections, additions, or deletions to these records should be directed as follows:**

**Operating Speeds and  
Speed Restrictions:**

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



# PITTSBURGH DIVISION

# Contents & Indices



# PITTSBURGH DIVISION

## TABLE OF CONTENTS

DESCRIPTION	FROM	TO	LINE	PAGE
* CP BANKS-CP CANNON	PT - 113.50	- 119.16	PITTSBURGH LINE	i
CP CANNON-PITTSBURGH	PT - 119.16	- 353.35	PITTSBURGH LINE	1
JOHNSTOWN-CP CONPIT	SG - 278.00	- 290.20	SANG HOLLOW EXTENSION	49
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** CP RAVE-HUDSON	RD - 085.90	- 098.00	CLEVELAND LINE	108.1
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MASSILLON-EAST GRAVEL	EU - 000.00	- 002.00	M&C I.T.	224
ORRVILLE	OZ - 035.00	- 038.70	ORRVILLE I.T.	225
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LORDSTOWN SEC-NILES SEC	VD - 000.00	- 000.50	VAN WYE I.T.	243
SOAPTOWN-GOODMAN	JO - 000.00	- 002.20	GEM I.T.	244
CP ALLIANCE-ALLIANCE YARD	JE - 022.90	- 024.70	BENTON I.T.	245
CP BELL-WAYNESBURG	ML - 000.00	- 085.80	MON LINE	246
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MONONGAHELA-MARIANNA	EL - 000.00	- 019.40	ELLSWORTH SEC.	286
COKEBURG JCT-84 MINE	XC - 000.00	- 002.60	COKEBURG I.T.	290
CLIFF-FEDERAL MINE #2	YN - 000.00	- 006.00	MIRACLE RUN BR.	291
WANA-BLACKSVILLE MINE #2	WX - 000.00	- 001.50	WANA SPUR	293
MON LINE-LOVERIDGE	OC - 058.00	- 058.60	O TRACK	294
YELLOW CREEK-POWHATAN	RO - 000.00	- 060.50	RIVER LINE	295
CP RIVER-CP BRANCH	YP - 000.00	- 001.00	YELLOW CREEK R.T.	308
STEEL-MINGO YARD	WR - 039.30	- 049.50	WEIRTON SEC.	309
WEIRTON-NEWELL	NW - 003.00	- 019.20	NEWELL I.T.	312
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MEADVILLE-COALBURG	MI - 105.50	- 150.80	MEADVILLE LINE	322
WHEATLAND-SHARPVILLE	MJ - 066.00	- 073.00	WHEATLAND I.T.	332
SHENANGO-JAMESTOWN	XL - 080.90	- 081.70	WHEATLAND I.T.	334
PERRY-END (CPI)	PA - 000.00	- 008.57	FAIRPORT BRANCH	335

EXPLANATION OF GRAPHIC DISPLAY CONVENTIONS

APPENDIX - 3RD & 4TH MAIN MAINTENANCE DATA

337

341

- \* HARRISBURG DIVISION LINE MAINTAINED BY PITTSBURGH DIVISION FORCES
- \*\* DEARBORN DIVISION LINE MAINTAINED BY PITTSBURGH DIVISION FORCES

# PITTSBURGH DIVISION

## INDEX BY LINE NAME

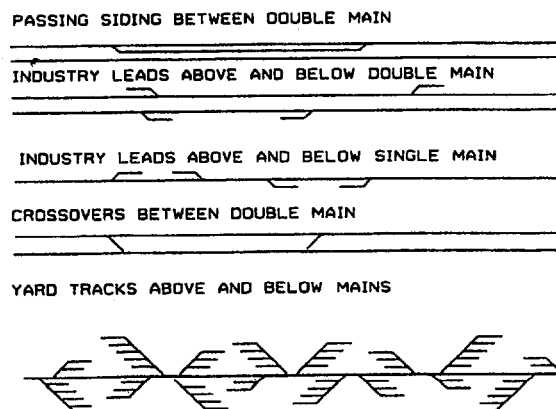
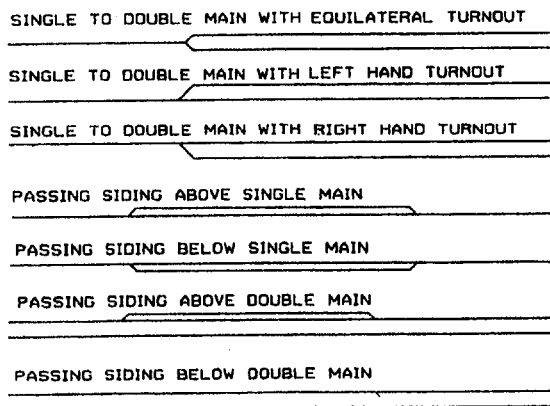
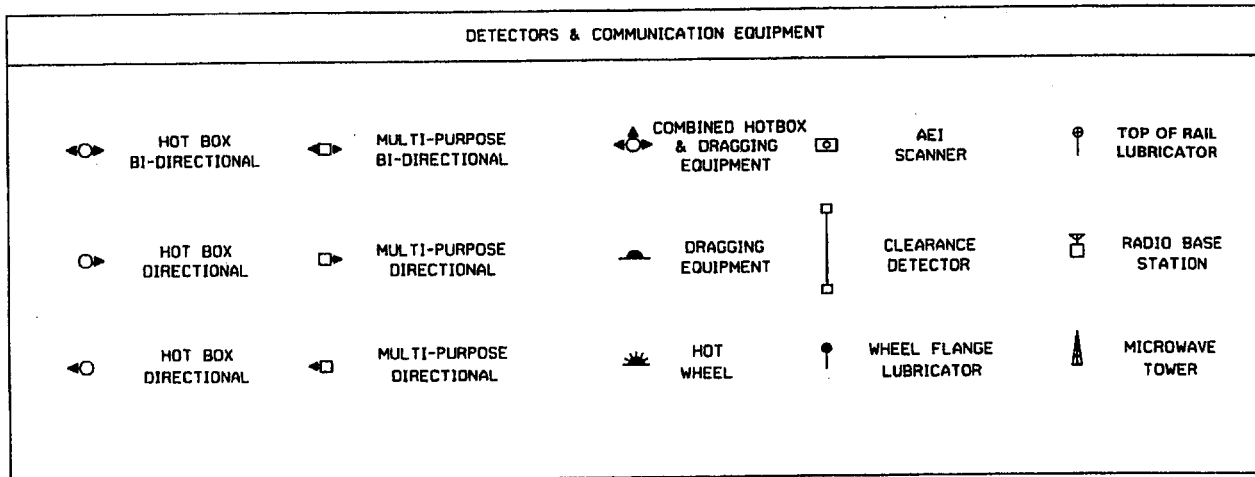
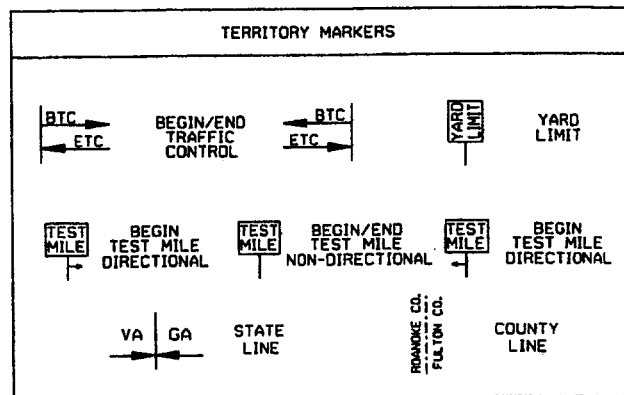
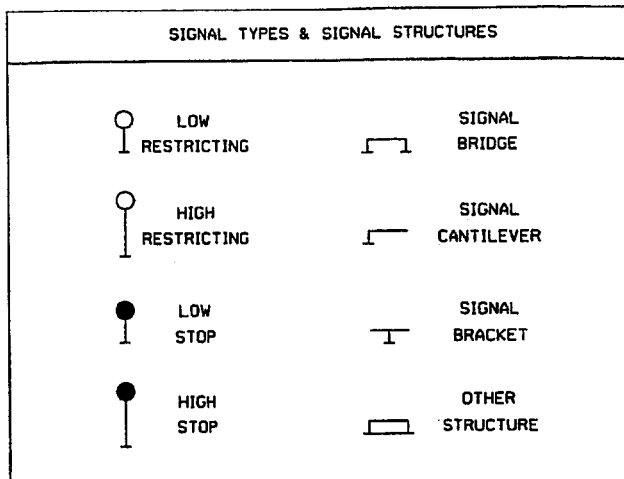
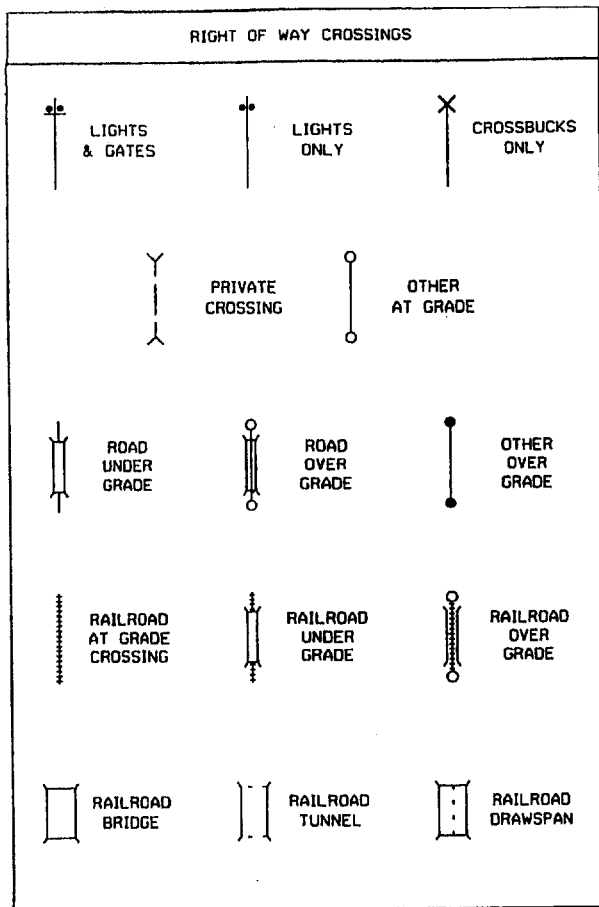
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# TRACK CHART SYMBOL LEGEND



06/19/2006

402102

PITTSBURGH LINE

HARRIS-CP CANNON

HARRISBURG

PT110

PT111

PT112

PT113

PT114

PT115

5280'

5280'

5378'

4988'

5276'

MAINTENANCE  
#1  
#2

T&amp;S-09/04

T&S-05/02  
S-05/04T&S-03/03  
S-06/05T&S-08/01  
S-05/04

T&amp;S-08/01

T&amp;S-05/02

RAIL  
#1  
#290NW132S  
83RW140S  
83RW133S  
88NW132S  
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83.4(71.9#2)46.3(57.9#1)  
69.6(57.9#2)46.3(57.9#1)  
69.6(57.9#2)CP MARY  
PT111

(MARYSVILLE)

CP BANKS

(BOBS CURVE)

(ELKTON CURVE)

7008  
7012TRACK  
LAYOUT  
#1  
#2

LINE SEGMENT

2585

PT-110.20/BR-306.05

SUSQUEHANNA RIVER

ENOLA BR (TRK 1)

ENOLA BR (TRK 1)

FISHING CREEK

TRK 2 ONLY

VALLEY ST

CURVATURE

#1

6.0L

4.0R

1.5R

2.6L

3.0R

3.1L

0.9R

ALIGNMENT

#1

2.50

4.00

4.00

1.50

4.00

4.00

1.50

ELEVATION

#2

6.0L

6.0R

1.5R

2.6L

3.0R

3.1L

0.9R

FREIGHT SPEED  
TANGENT  
(CURVE)

30

50

40

50

50

40

40

50

50

50

50

50

GRADE

-0.25

0.00

-0.09

-0.25

-0.31

-0.13

-0.04

-0.09

06/19/2006

ii

402102

PITTSBURGH LINE

HARRIS-CP CANNON

HARRISBURG

PT115

PT116

PT117

PT118

PT119

5291'

5284'

5265'

5170'

5280'

MAINTENANCE

#1

T&S-03/03

#2

T&S-05/02

RAIL

#1

99NW136S

92NW136S

71NW140S

01NW132P

96NW136S

76NW140S

98NW136S

01NW136P

03NW141P

92NW136S

96NW136S

#2

05NWF141S

93NW136S

66RW152S

01NW136P

03NW141P

87NW132S

88RW132S

76NW140S

98NW136S

01NW132S

04NWF141S

93NW136S

66RW152S

85RW132S

98NW136S

04NWF141P

88RW132S

76NW140S

TRAFFIC DENSITY MGT

→ 46.3(57.9#1)

← 69.6(57.9#2)

7012

(DAIRY FARM CURVE)  
(KINKORA)

CP CANNON

S  
E → W  
N

TRACK LAYOUT

#1

#2

LINE SEGMENT

2585

COVE

SIBLES

COVE CREEK

SHERMANS CREEK

TO CANNON YARD  
TO PITTSBURGH DIV

CURVATURE

#1

2.8R

1.3R

2.3R

1.4R

6.8L

4.3R

ALIGNMENT

#2

2.8R

1.3R

2.3R

1.4R

6.8L

4.3R

ELEVATION

3.50

1.00

2.50

1.50

4.00

2.00

FREIGHT SPEED TANGENT (CURVE)

50

50

35

35

50

50

(35)

(35)

GRADE

-0.09

+0.12

-0.12

0.00

+0.38

-0.12

06/14/2006

402102

001  
PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT120

3947'

T&amp;S-04/03

T&amp;S-03/03

98NW136S

01NW136S

92NW136S

92NW136S

98NW136S  
76NW140S  
92NW136S  
76NW140S#1  
MAINTENANCE  
#2

#1

RAIL

#2

TRAFFIC  
DENSITY MGT→ 46.3(57.8#1)  
← 69.4(57.8#2)

7012

S  
E → W  
NTRACK  
LAYOUT#1  
#2

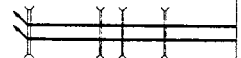
CP CANNON

BEGIN HARRISBURG DIV  
119.16-1MAB-50'

119.45-1MAB-24'

119.54-1MAB-24'

119.71-1MAB-24'



LINE SEGMENT

3300

JUNIATA CREEK

ANN ST

BROADWAY AVE

CHERRY ST

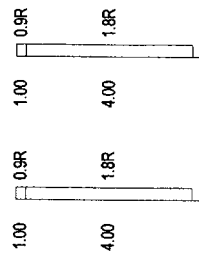
CURVATURE

#1

ALIGNMENT

ELEVATION

#2

FREIGHT SPEED  
TANGENT  
(CURVE)→ 50 →  
→ 50 →

GRADE

+0.11



06/14/2006

002

402102

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT120

PT121

PT122

PT123

PT124

PT125

5402'

5280'

5296'

5285'

5279'

#1

MAINTENANCE

#2

T&S-04/03

T&S-03/03

T&S-05/02

#1

RAIL

#2

93NW136S

98NW136S

93NW136S

98NW136S

76NW140S

02NW141S

76NW140S

84NW132S

76NW140S

02NW141S

76NW140S

84NW132S

TRAFFIC  
DENSITY MGT

→ 46.3(57.8#1)

← 69.4(57.8#2)

7012

(JUNIATA BRIDGE)

(PIPE LINE CURVE)

(AQUEDUCT)

LOSH'S RUN



120.03-1MAB-24'

120.62-1CSB-33'

121.74

123.67-1BSB-12'

124.43-1MAB-20'

TRACK  
LAYOUT

#1

#2

LINE SEGMENT

3300

MARKET ST

RTE 849

US 11-15

506578T

506579A

506580U

506581B

SHOP TRACK

CURVATURE

#1

1.4L

1.0R

0.9L

ALIGNMENT

#2

1.4L

1.0R

0.9L

ELEVATION

3.00

1.00

1.50

FREIGHT SPEED  
TANGENT  
(CURVE)

50

50

GRADE

+0.11

-0.12

-0.23

Sheet 74PT\_120\_125

06/14/2006

402102

003

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT125

PT126

PT127

PT128

PT129

PT130

5083'

5282'

5452'

5287'

5330'

T&amp;S-04/03

T&amp;S-05/02

#1  
MAINTENANCE  
#2

RAIL

#1

#2

98NW136S

98NW136S

02NW141P

84NW132S

01NW141P

84NW132S

93NW136S

66NW140S

98NW136S

66NW140S

01NW141P

66NW140S

89NW132S

96NW136S

96NW136S

03NW141P

84NW132S

03NW141P

84NW132S

66NW140S

98NW136S

66NW140S

00NW136P

66NW140S

89NW132S

TRAFFIC  
DENSITY MGT

→ 46.3(57.8#1)

← 69.4(57.8#2)

(BUCKWALTERS CURVE)

(IROQUOIS)

(BAILEY)

(FERGUSONS CURVE)

7012

S  
E → W  
NTRACK  
LAYOUT

#1

#2

LINE SEGMENT

3300

CURVATURE

#1

2.0L

2.1L

1.7R

0.1R

2.1R

1.1R

1.9R

2.1L

2.7L

1.1L

ALIGNMENT

#2

2.0L

2.1L

1.7R

0.1R

2.1R

1.1R

1.9R

2.1L

2.7L

1.1L

ELEVATION

3.50

4.00

2.50

1.00

4.00

1.00

3.50

4.00

4.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50

50

GRADE

-0.23

-0.05

-0.09

129.83-1MAB-10'

506582H

506583P

LESH'S

RUDY'S

DEMAREE STREAM

06/14/2006

402102

004

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT130

PT131

PT132

PT133

PT134

PT135

5113'

5124'

5073'

5278'

5225'

MAINTENANCE  
#1  
#2

T&S-04/03

T&S-03/06

T&S-05/02

T&S-04/02

RAIL

#1

98NW136S

95NW136S

98NW136S

95NW136S

#2

96NW136S

91NW132S

77NW140S

03NW141S

78NW132S

96NW136S

01NW141P

77NW140S

03NW141S

78NW132S

TRAFFIC  
DENSITY MGT

46.3(57.8#1)  
69.4(57.8#2)

46.2(57.8#1)  
69.3(57.8#2)

7012

(NEWPORT CURVE)

(NEWPORT)  
PT132

CP PORT  
PT133



TRACK  
LAYOUT

#1  
#2

LINE SEGMENT

3300

131.86-2MAB-112'  
LITTLE BUFFALO CREEK

132.16-2TGB-92'  
MARKET ST

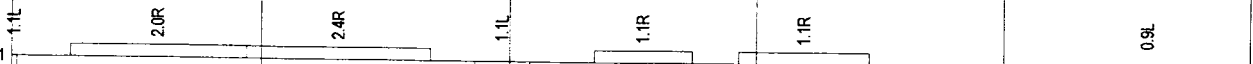
133.05-3MAB-150'  
ACCESS-TRK 2 ONLY

BIG BUFFALO CREEK

RIGHT OF WAY

CURVATURE

#1



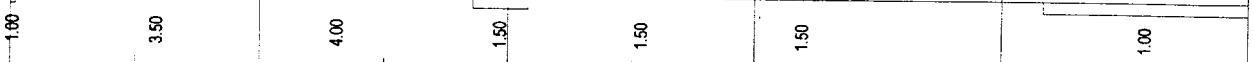
ALIGNMENT

#1



ELEVATION

#2



FREIGHT SPEED  
TANGENT  
(CURVE)

50  
50

GRADE

-0.09

-0.07

-0.04

06/14/2006

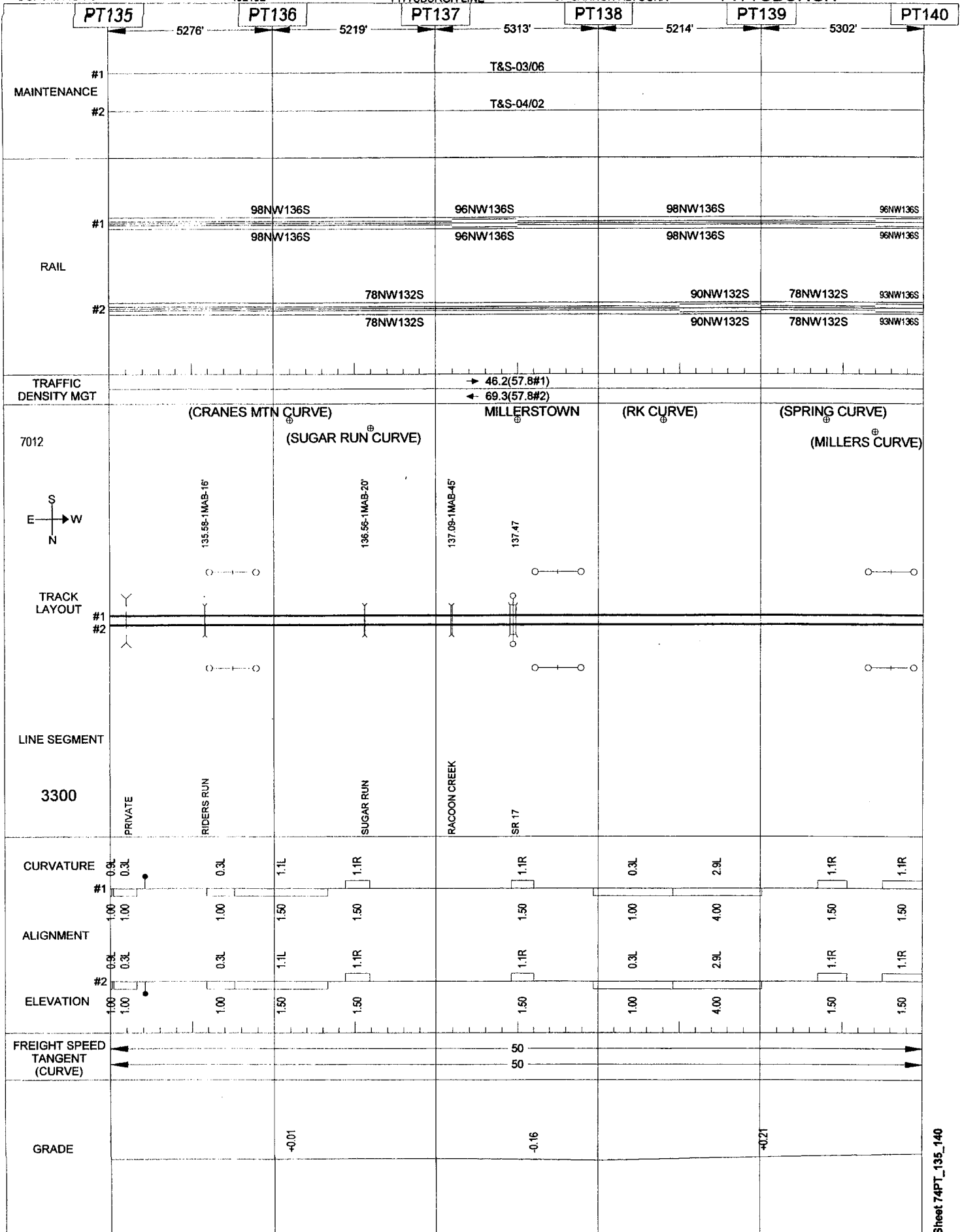
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005

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



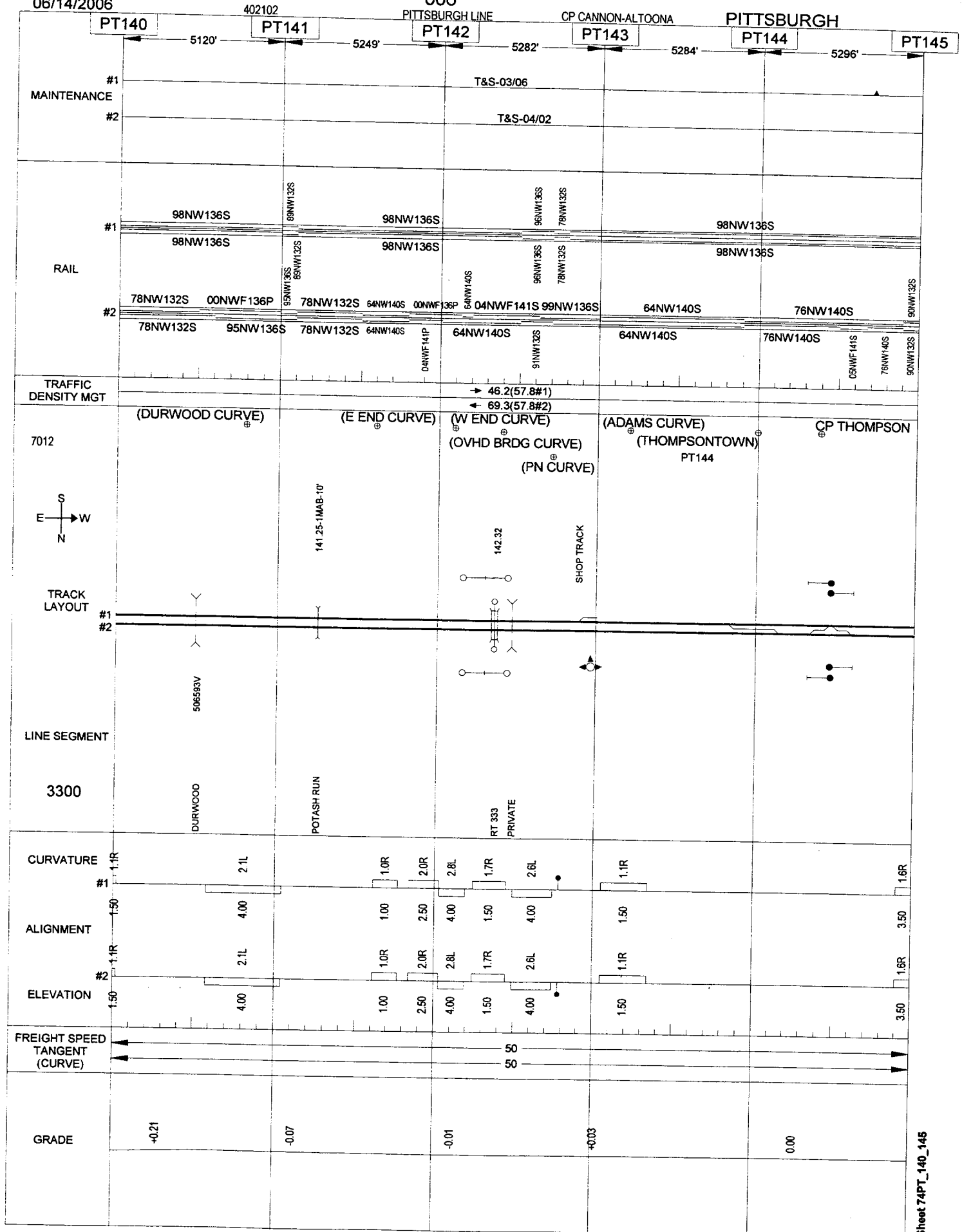
06/14/2006

006

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

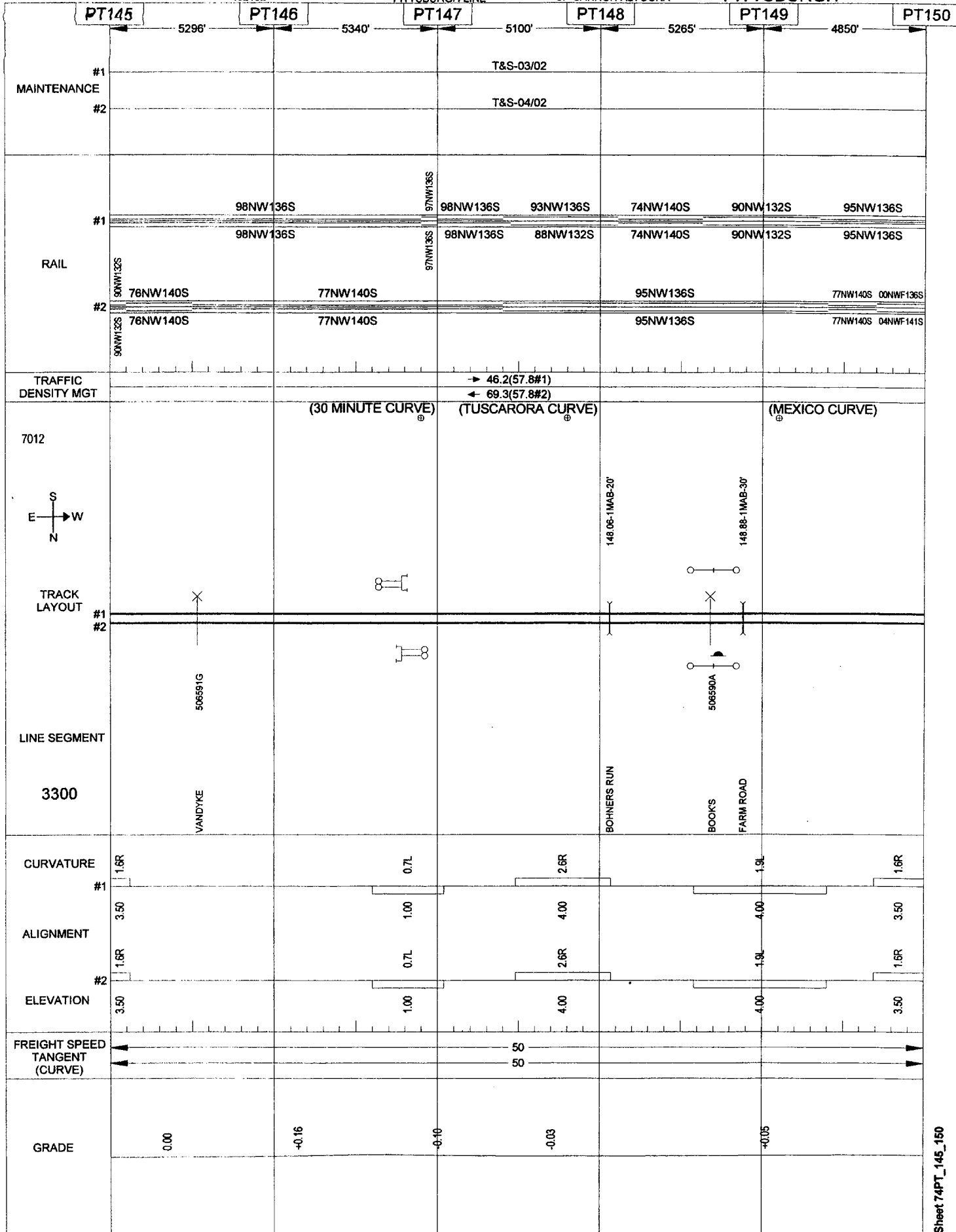
402102

007

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

008

402102

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT150

PT151

PT152

PT153

PT154

PT155

5167'

5270'

5331'

5210'

5280'

#1  
MAINTENANCE

T&amp;S-03/02

#2

T&amp;S-04/02

T&amp;S-03/06

RAIL

#1

95NW136S

77NW140S

66NW132S

96NW136S

68NW140S

00NW138P

#2

95NW136S

68NW140S

02NW141P

96NW136S

68NW140S

00NW138P

#1

00NW136S 77NW140S 04NW141P

76NW140S

02NW141P

74NW140S

03NW141P

74NW140S

96NW136S

76NW140S

02NW141P

76NW140S

99NW136P

02NW141P

76NW140S

99NW136S

#2

04NW141S 77NW140S 03NW141P

76NW140S

74NW140S

76NW140S

99NW136P

02NW141P

76NW140S

99NW136S

TRAFFIC  
DENSITY MGT

→ 46.2(57.8#1)

← 69.3(57.8#2)

→ 46.3(57.8#1)

← 69.3(57.8#2)

7012

PORT ROYAL

(CASNERS CURVE)

(STONE HOUSE CURVE)

CP MIFFLIN

(W. MIFFLIN)

(BRICK YARD)

TRACK  
LAYOUT

#1

#2

LINE SEGMENT

3300

TUSCARORA CREEK

MARKET ST

CASNERS

WILSON ST DITCH

MIFFLIN LEAD

CURVATURE

#1

1.6R

2.4R

2.0L

3.3R

3.3R

5.0L

4.2L

1.1L

2.1R

2.0L

ALIGNMENT

#1

3.50

4.00

3.00

4.00

4.00

4.00

4.00

4.00

1.00

2.50

2.50

ELEVATION

#2

3.50

4.00

3.00

4.00

4.00

4.00

4.00

1.00

2.50

2.50

FREIGHT SPEED  
TANGENT  
(CURVE)

50

50

40

40

45

45

50

50

GRADE

-0.19

-0.14

0.00

+0.19

-0.07

-0.02

+0.10

+0.24



06/14/2006

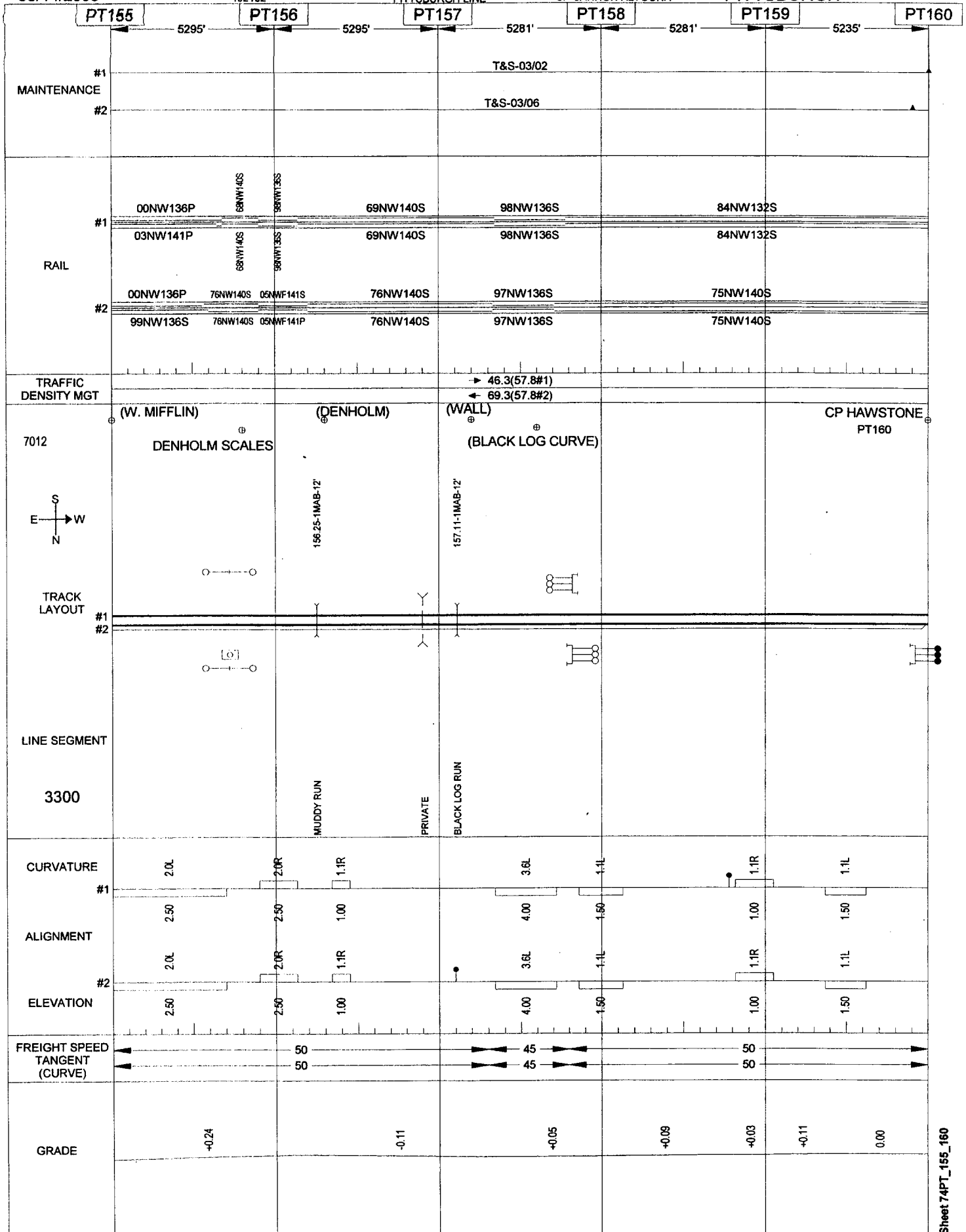
402102

009

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

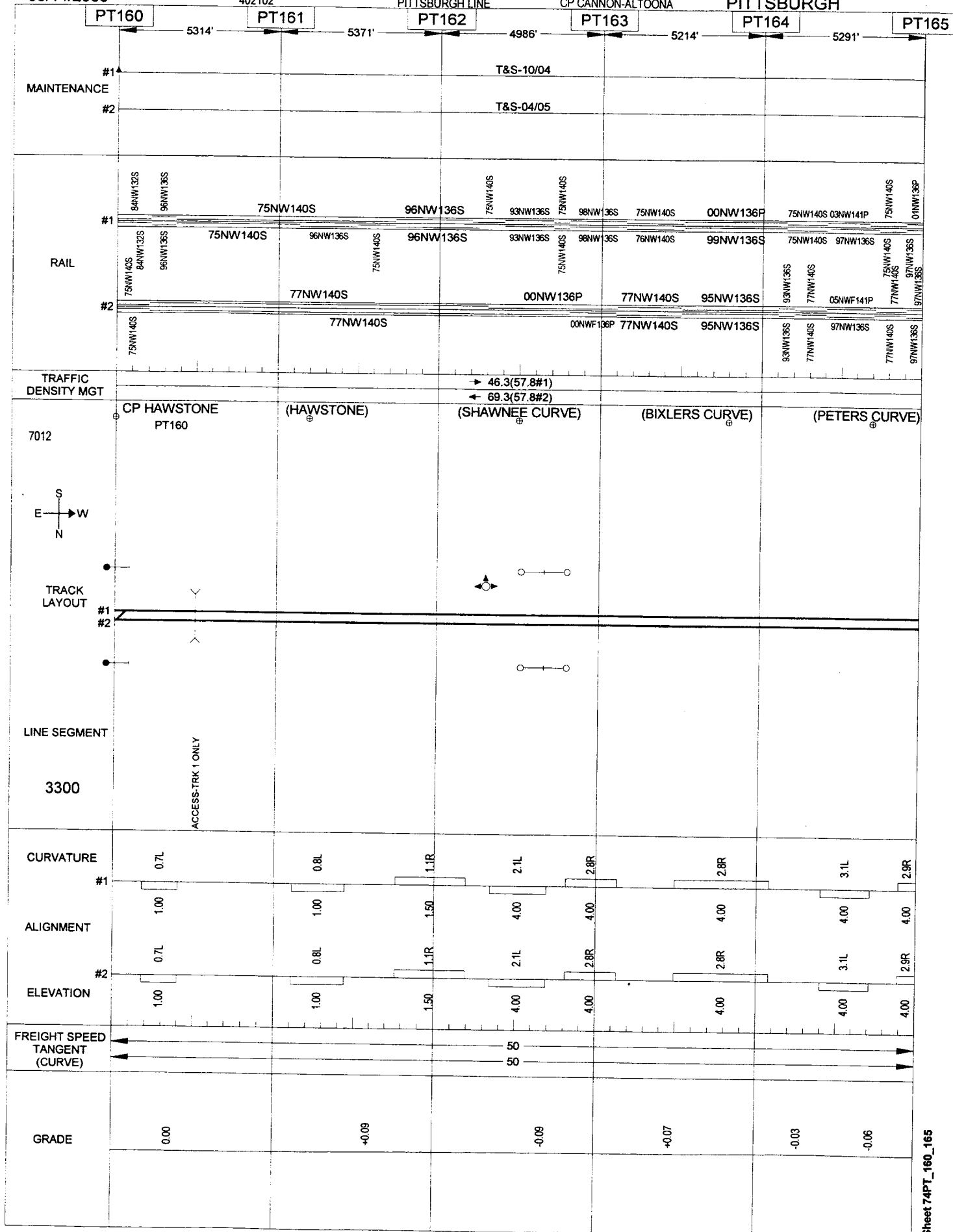
402102

010

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

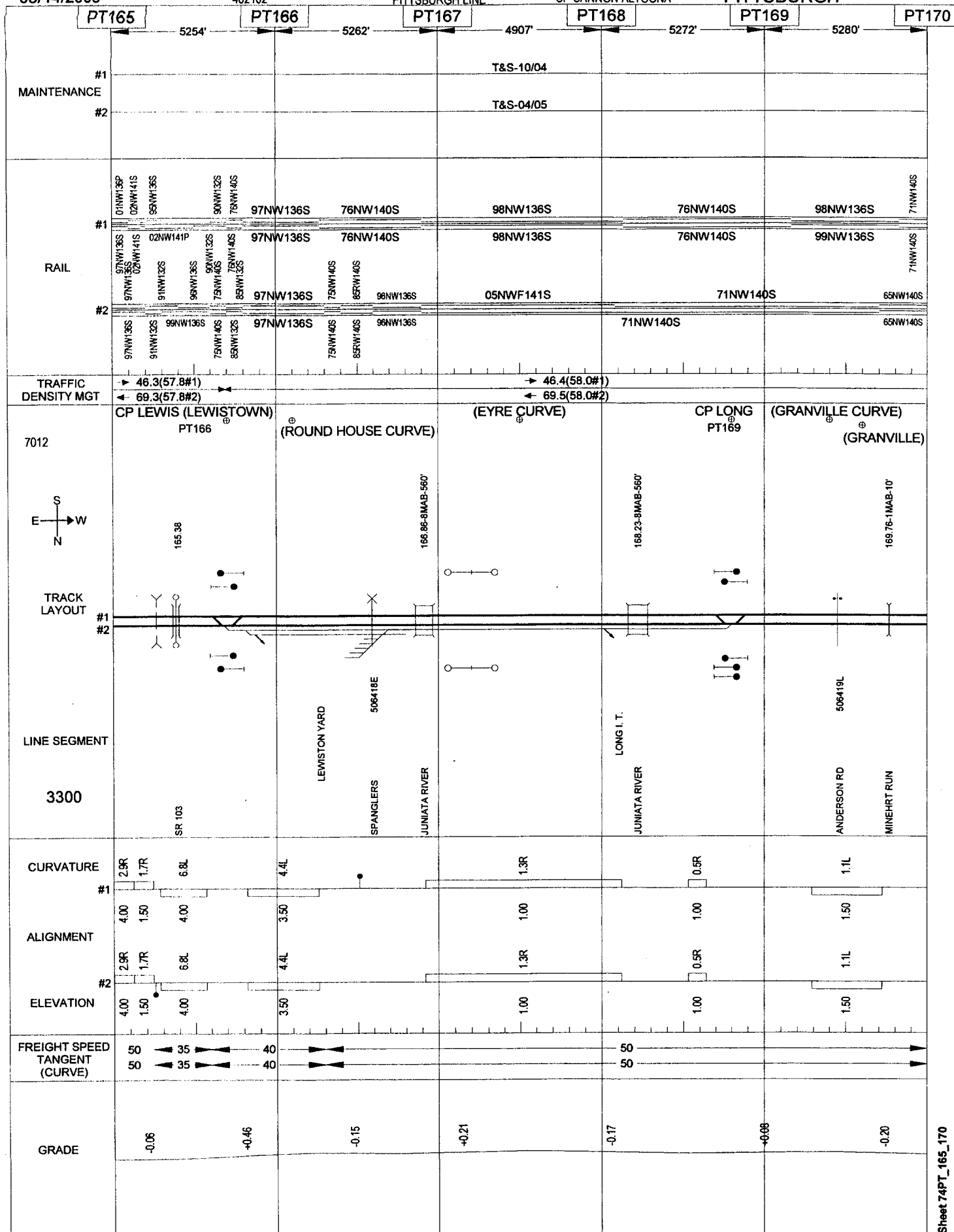
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011

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

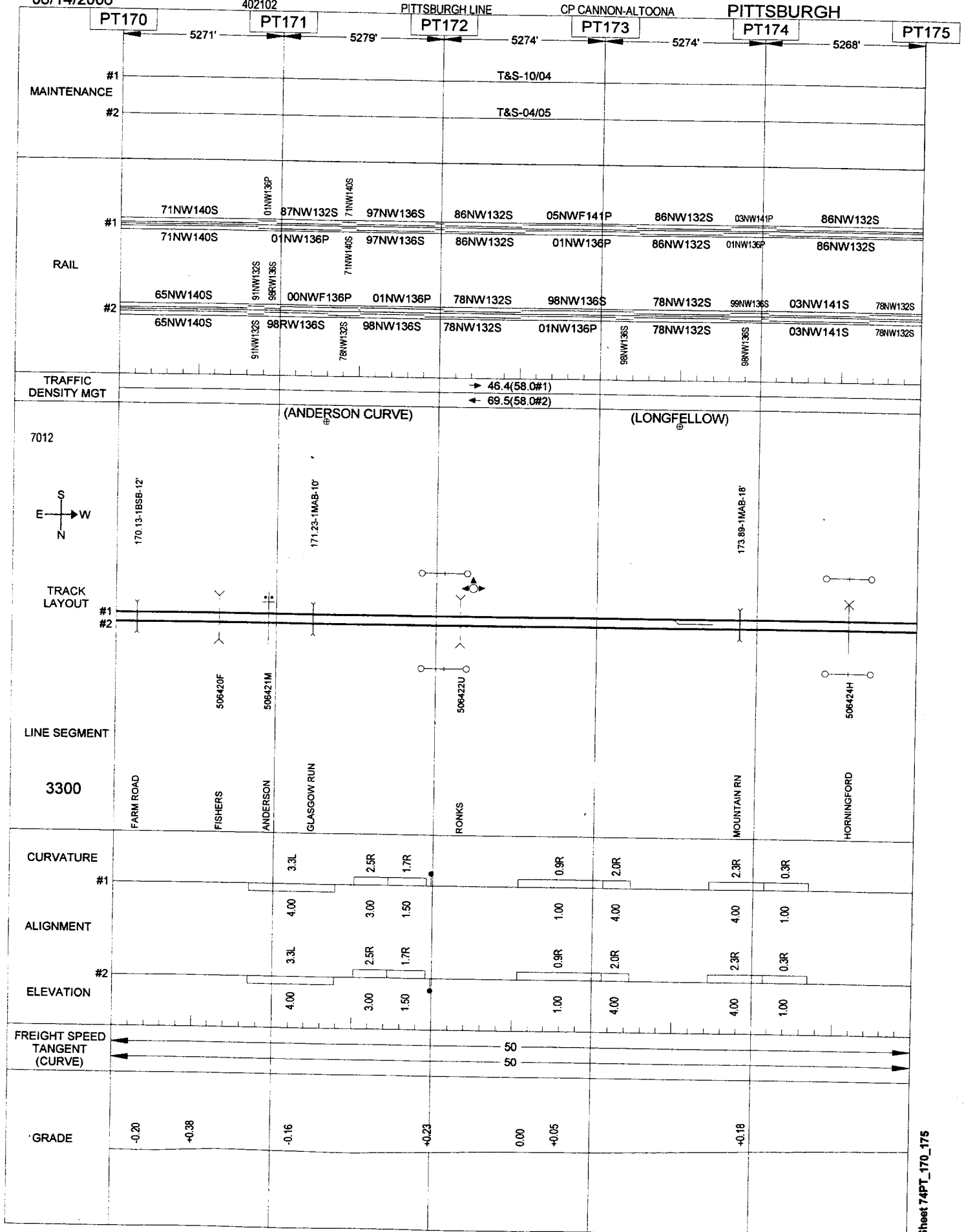
012

402102

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

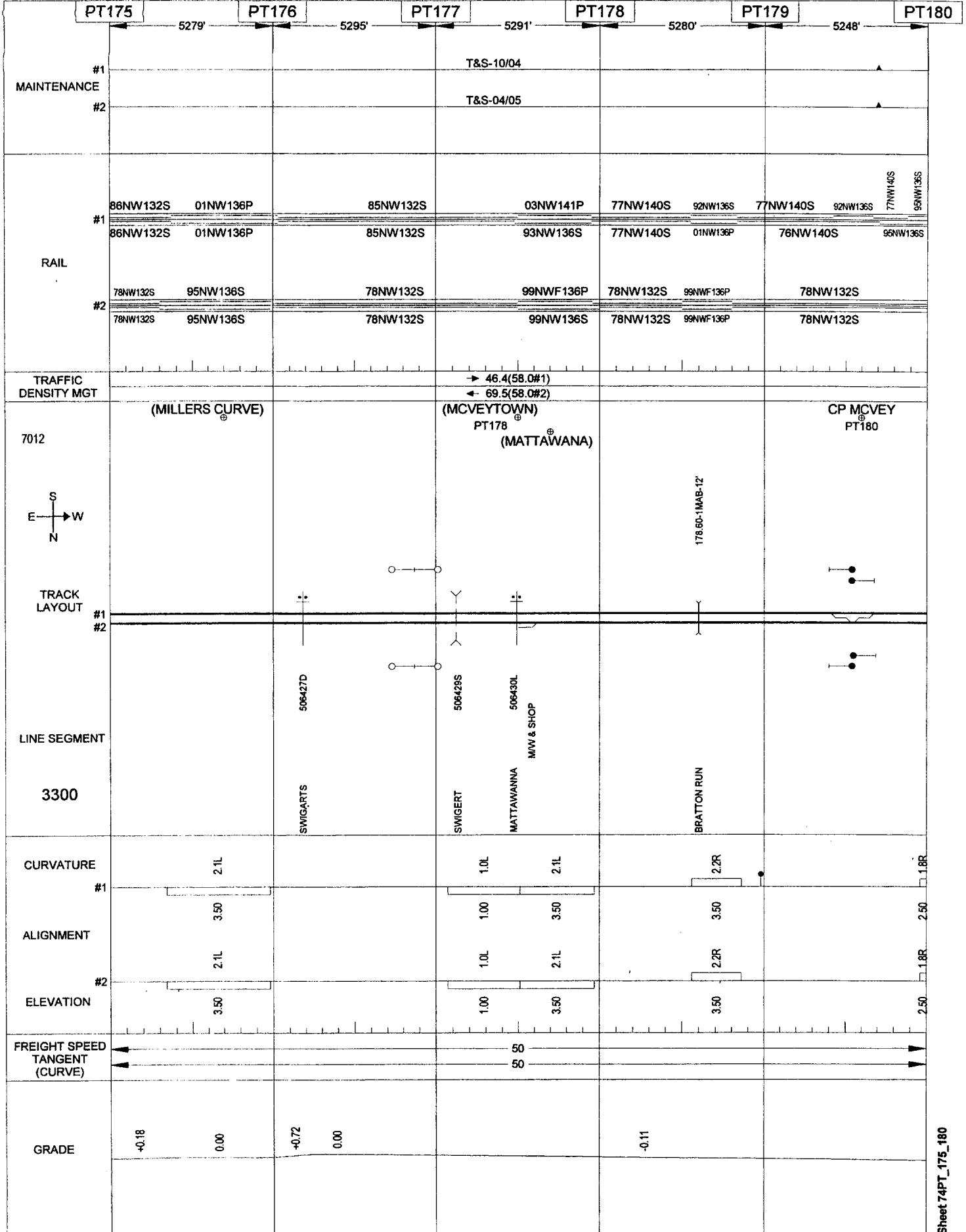
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013

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

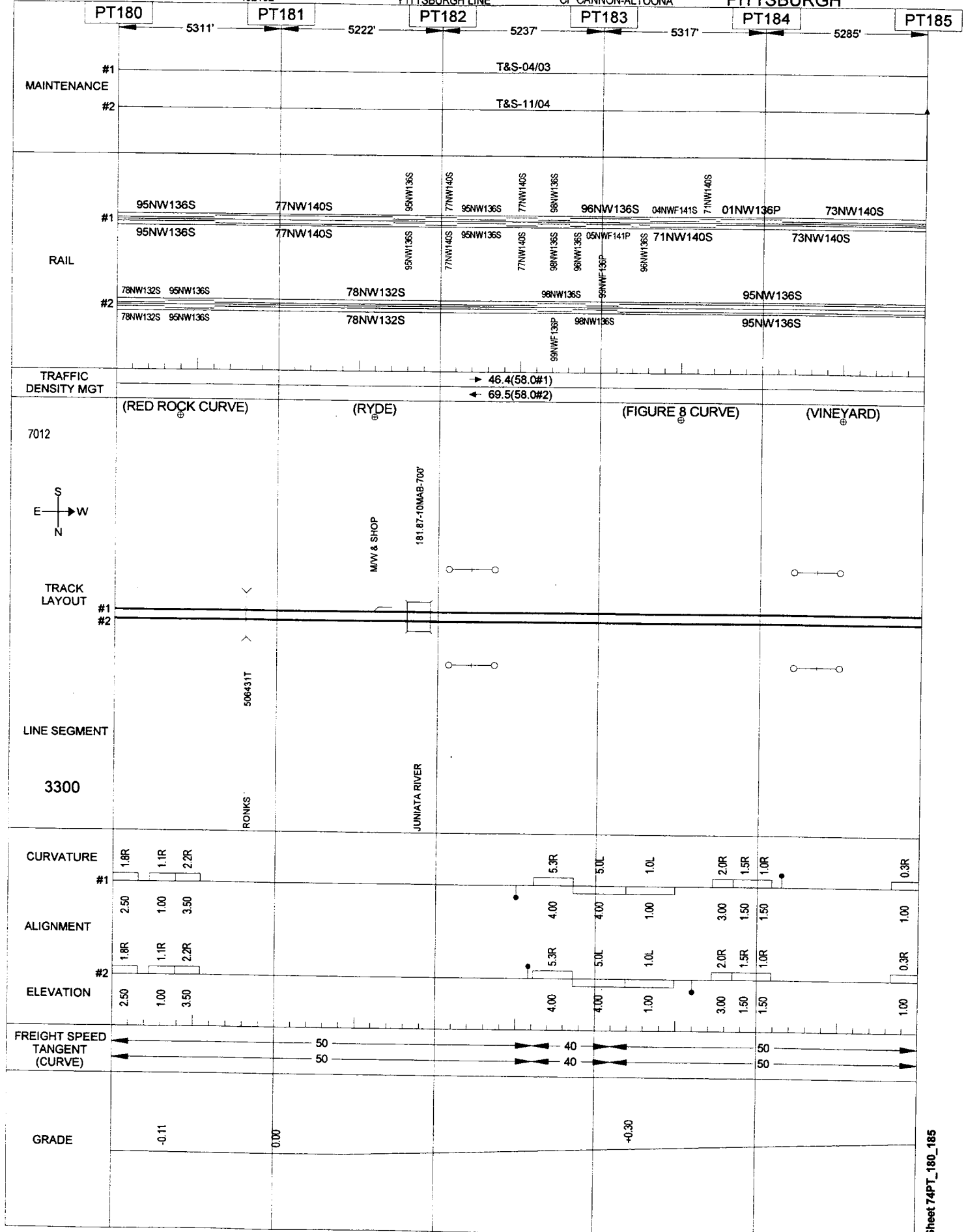
402102

014

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

402102

015

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT185

PT186

PT187

PT188

PT189

PT190

5274'

5280'

5134'

4902'

5291'

#1

MAINTENANCE

T&amp;S-04/03

#2

T&amp;S-07/02

#1

RAIL

73NW140S

96NW136S 73NW140S

93NW136S

99NW136P 73NW140S

73NW140S

96NW136S 73NW140S

93NW136S

73NW140S

#2

95NW136S

78NW132S

05NW141S

78NW132S

00NW136S

95NW136S

78NW132S

00NW136S

78NW132S

01NW136S

78NW132S

TRAFFIC  
DENSITY MGT

→ 46.4(58.0#1)

← 69.5(58.0#2)

(N HAMILTON CURVE)

(KISTLER)

7012



185.69-1MAB-15'

186.66-1MAB-30'

187.45-1MAB-30'

189.77-6MAB-600'

TRACK  
LAYOUT

#1

#2

LINE SEGMENT

3300

KELLY RUN

BARDINE RD

STATE RD

JUNIATA RIVER

CURVATURE

0.3R

0.2R

1.5L

1.3R

#1

ALIGNMENT

1.00

1.00

4.00

3.00

#2

ELEVATION

1.00

1.00

4.00

3.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50

50

GRADE

-0.30

-0.22

-0.17

-0.11



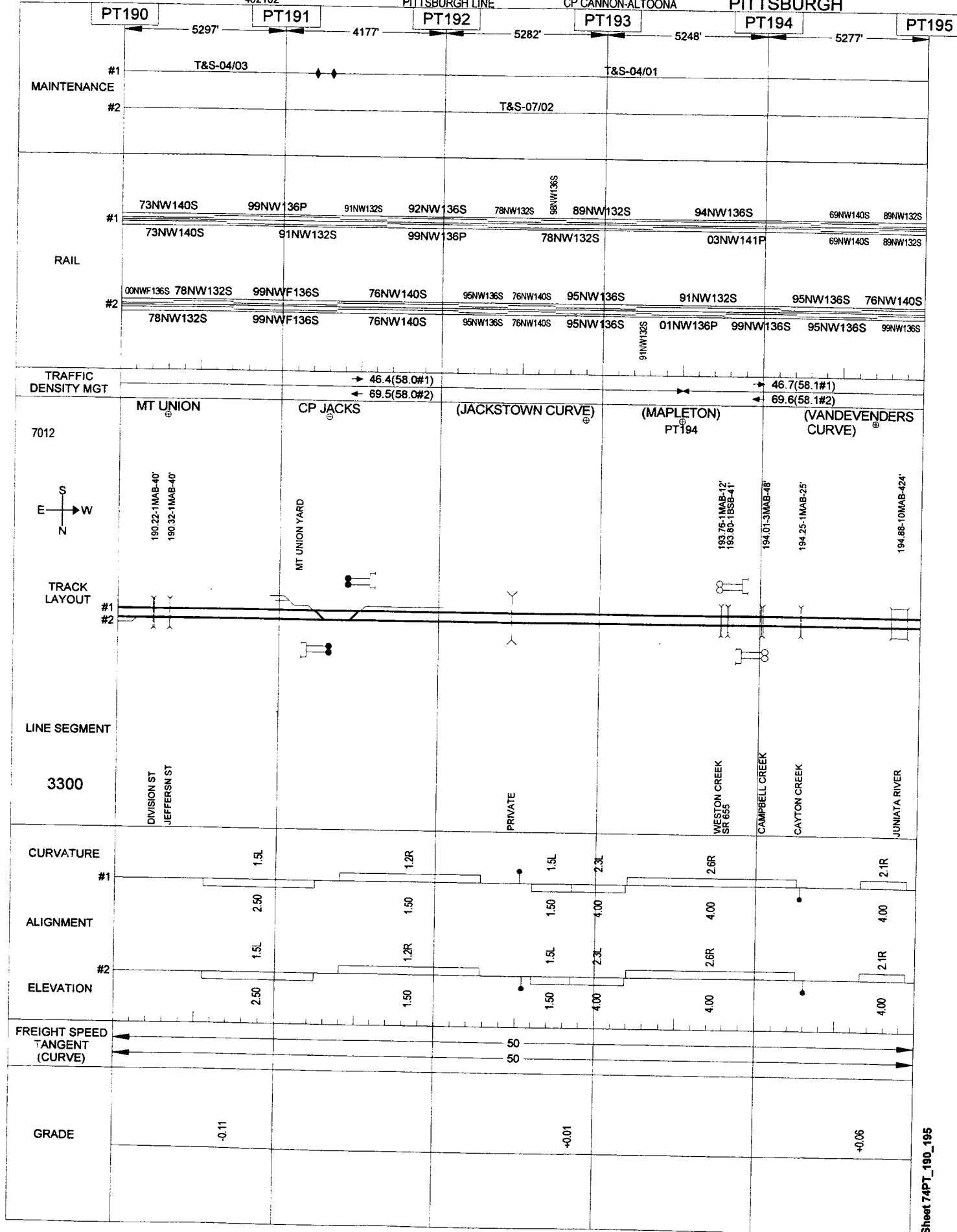
06/14/2006

016

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

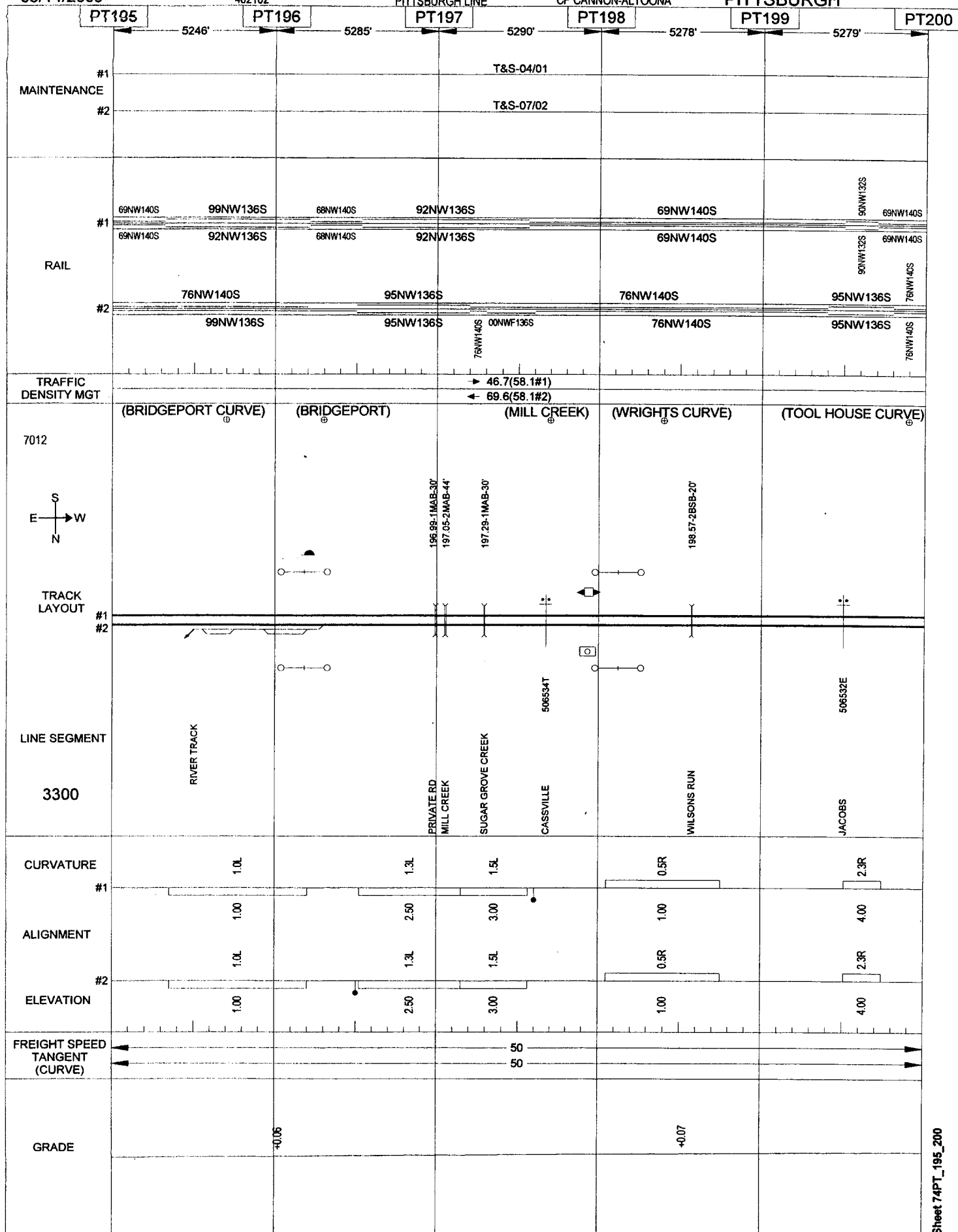
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017

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



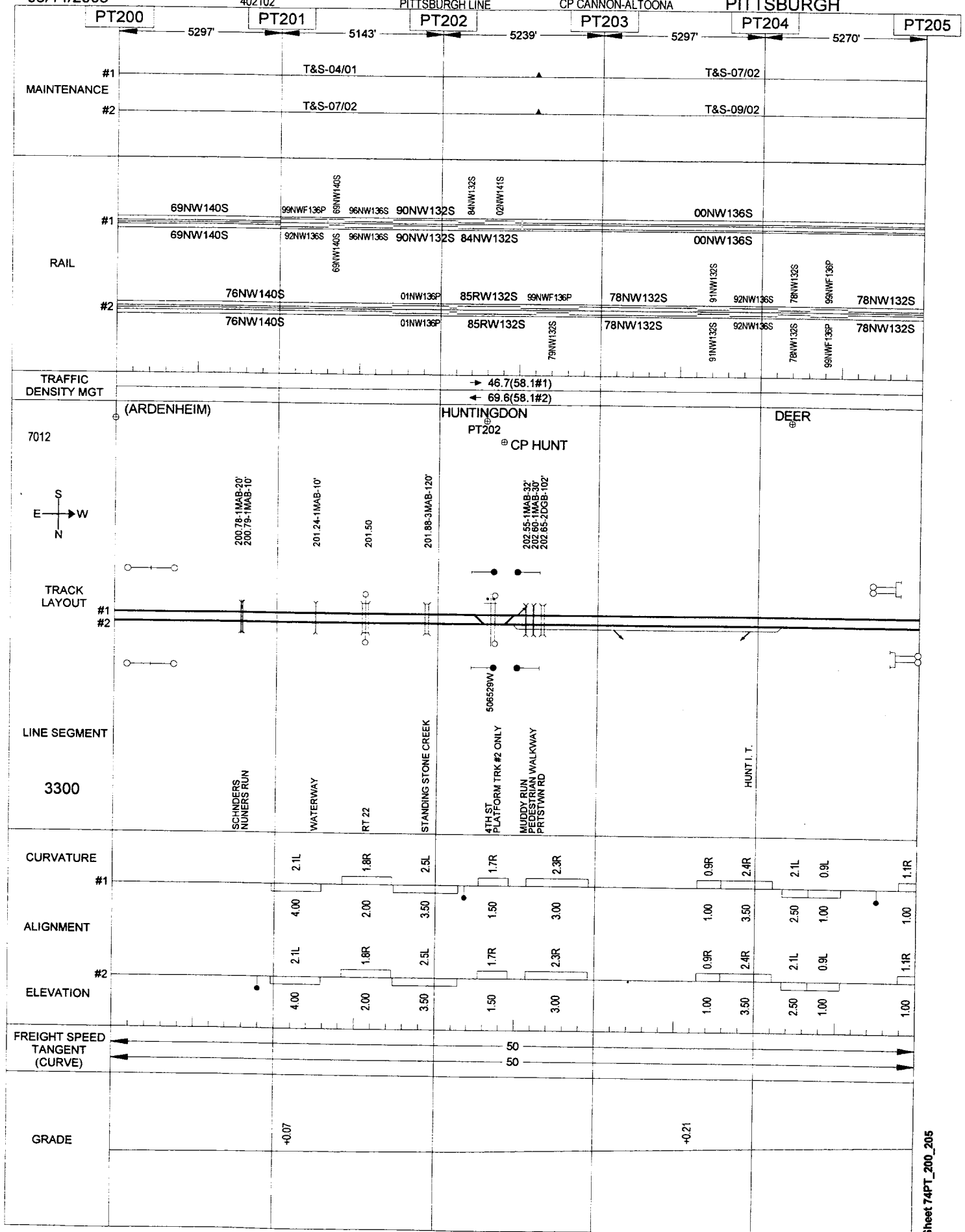
06/14/2006

018

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



## PITTSBURGH

PT210

1210

#1  
CE  
#2

T&S-09/02

RAIL

#1

00NW136S

TW140S

V140S 031

## TRAFFIC DENSITY MGT

69.6(58.1#2)

7012

(PETERSBURG)

(LOWER MYTON CURVE)

TRACK

#1  
#2

**LINE SEGMENT**

3300

## CURVATURE

## #1

## ALIGNMENT

40

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

10

Sheet 74PT\_205\_210

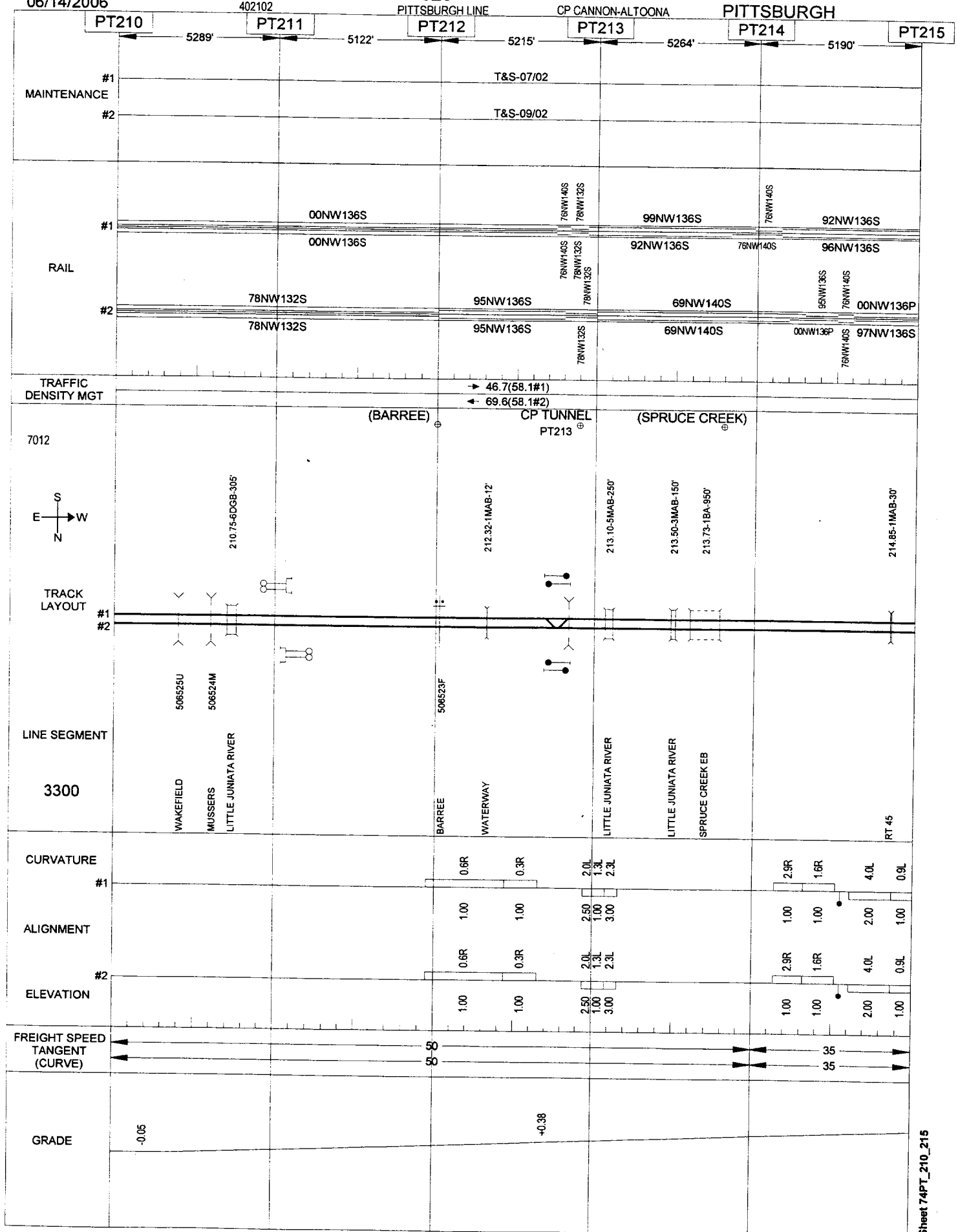
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020

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

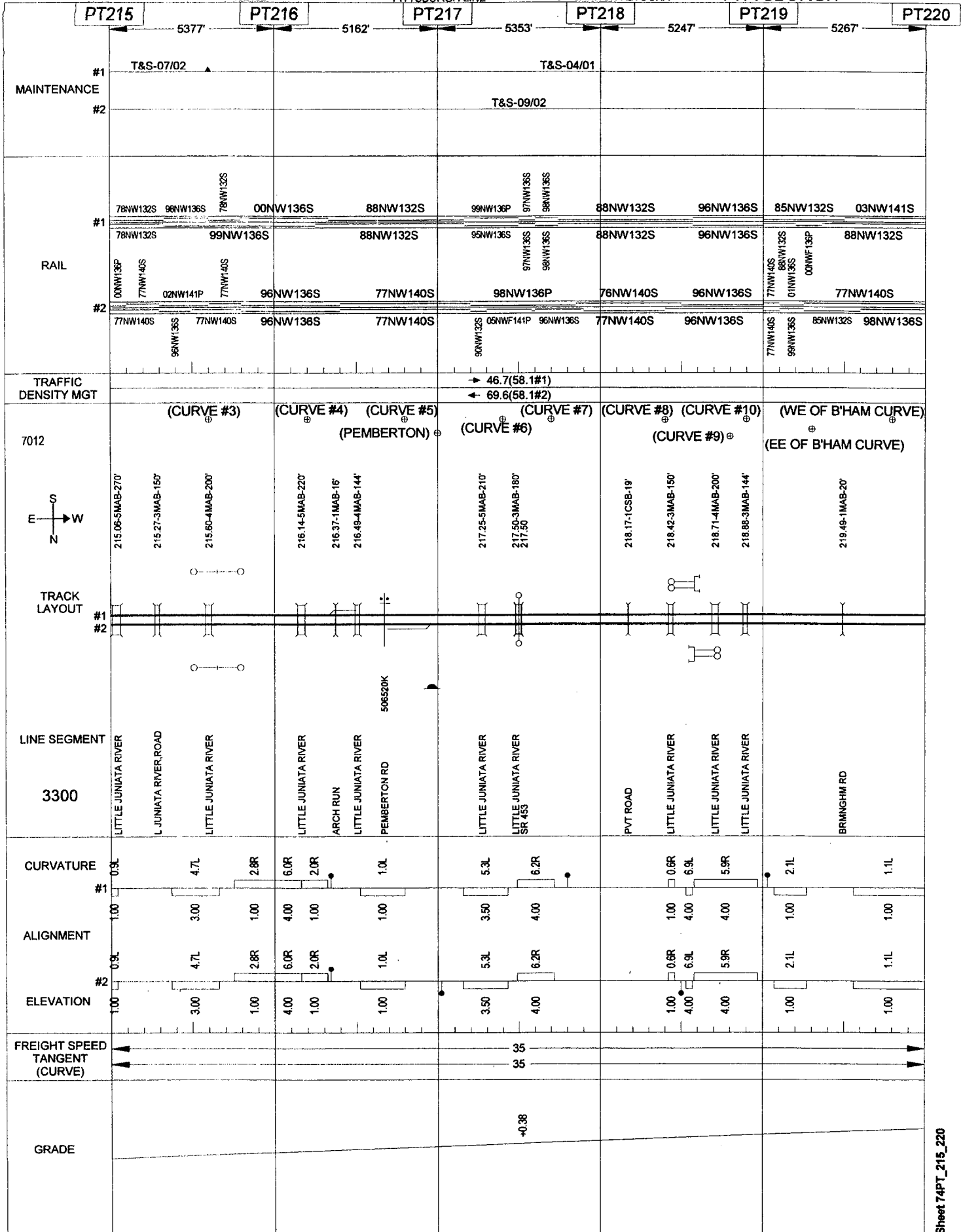
402102

021

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

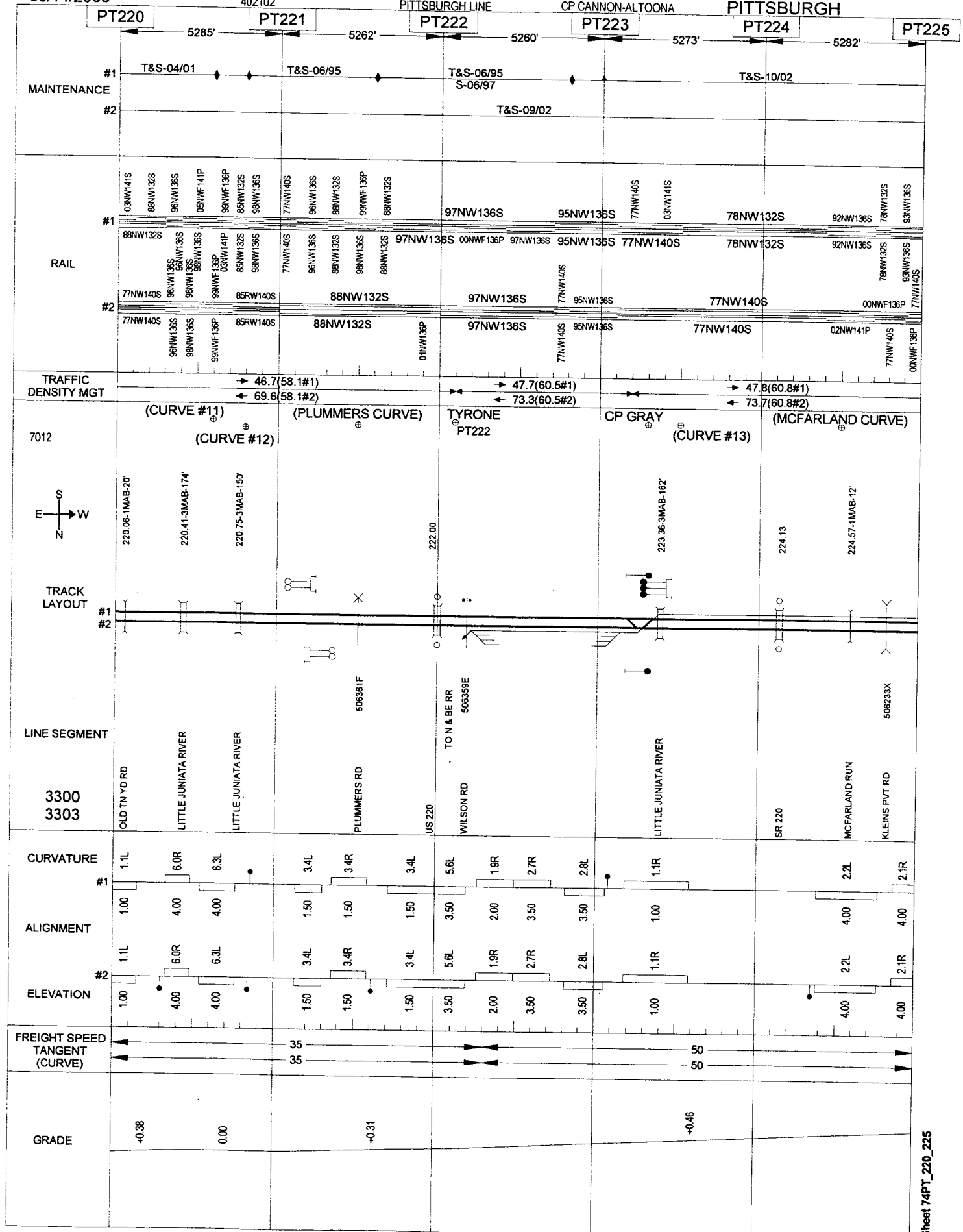
022

402102

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH





06/14/2006

402102

023

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT225

PT226

PT227

PT228

PT229

PT230

5273'

5278'

4958'

5209'

5293'

#1  
MAINTENANCE  
#2

T&amp;S-10/02

T&amp;S-09/02

RAIL

#1

#2

78NW132S

78NW132S

88NW132S

88NW132S

96NW136S

02NW141P

78NW132S

78NW132S

90NW132S

90NW132S

04NW141S

78NW132S

78NW132S

77NW140S

77NW140S

00NWF136P

99NWF136P

97NW136S

97NW136S

77NW140S

77NW140S

70NW140S

70NW140S

TRAFFIC  
DENSITY MGT

→ 47.8(60.8#1)  
← 73.7(60.8#2)

7012

(TIPTON)  
PT226  
(BYERS CURVE)

(FOSTORIA CURVE)

(BELLWOOD)

S  
E → W  
N

TRACK  
LAYOUT

#1  
#2

LINE SEGMENT

3303

506234E

506235L

226.06-2CSB-40'

227.73-1MAB-14'

506236T

TEST  
MILE

229.25

229.49

229.77-1MAB-16'

229.83-1CSB-20'

229.93-3MAB-84'

TEST  
MILE

CAMBRIA AVE

OVHD PEDESTRIAN

BELLS RUN  
DRY GAP RD

LITTLE JUNIATA RIVER

CURVATURE

#1

2.1R

2.1L

1.9R

ALIGNMENT

4.00

4.00

4.00

ELEVATION

2.1R

2.1L

1.9R

4.00

4.00

4.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50

50

GRADE

-0.46

-0.56

-0.32

-0.39

-0.43

-0.16

-0.14

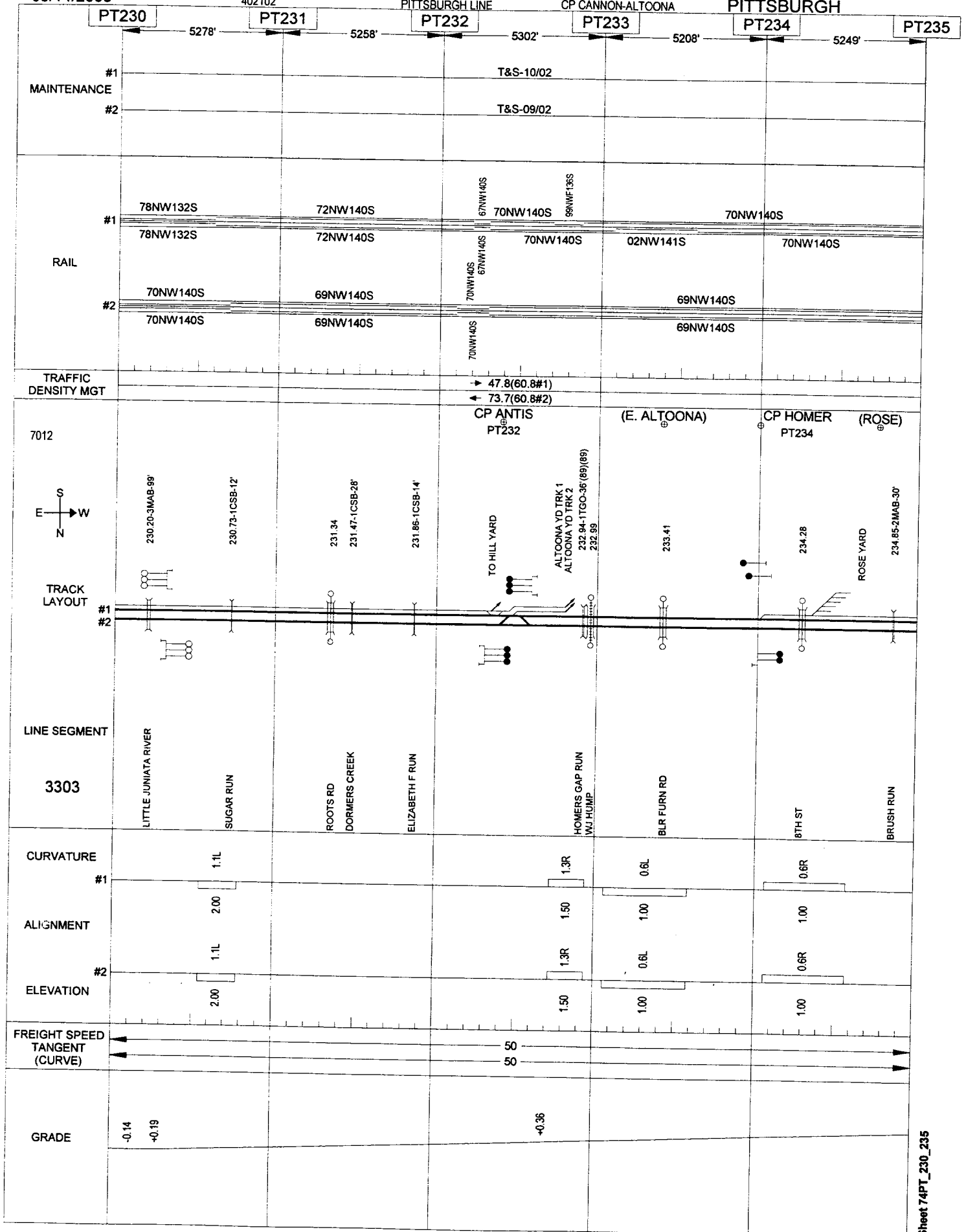
06/14/2006

024

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



06/14/2006

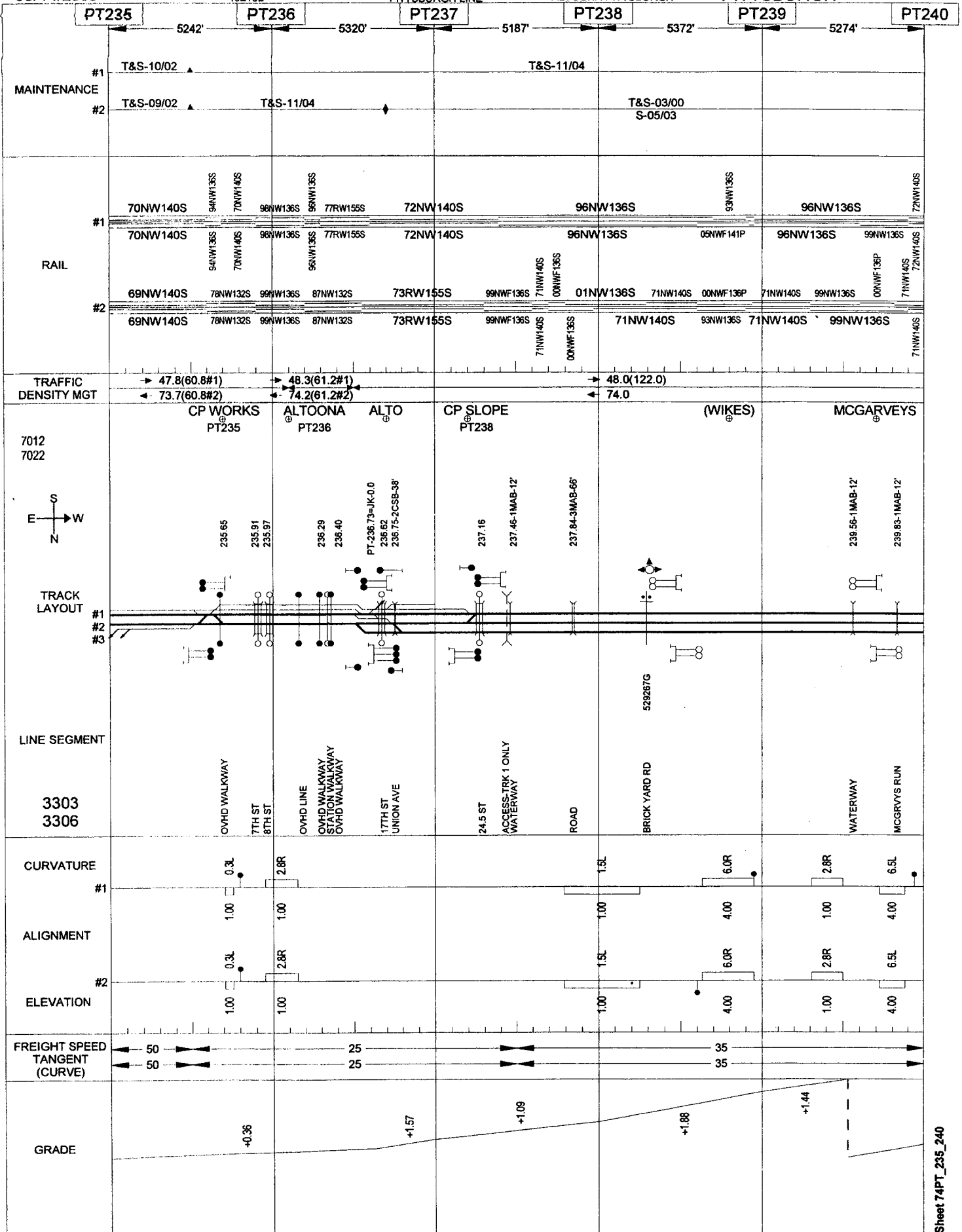
402102

025

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



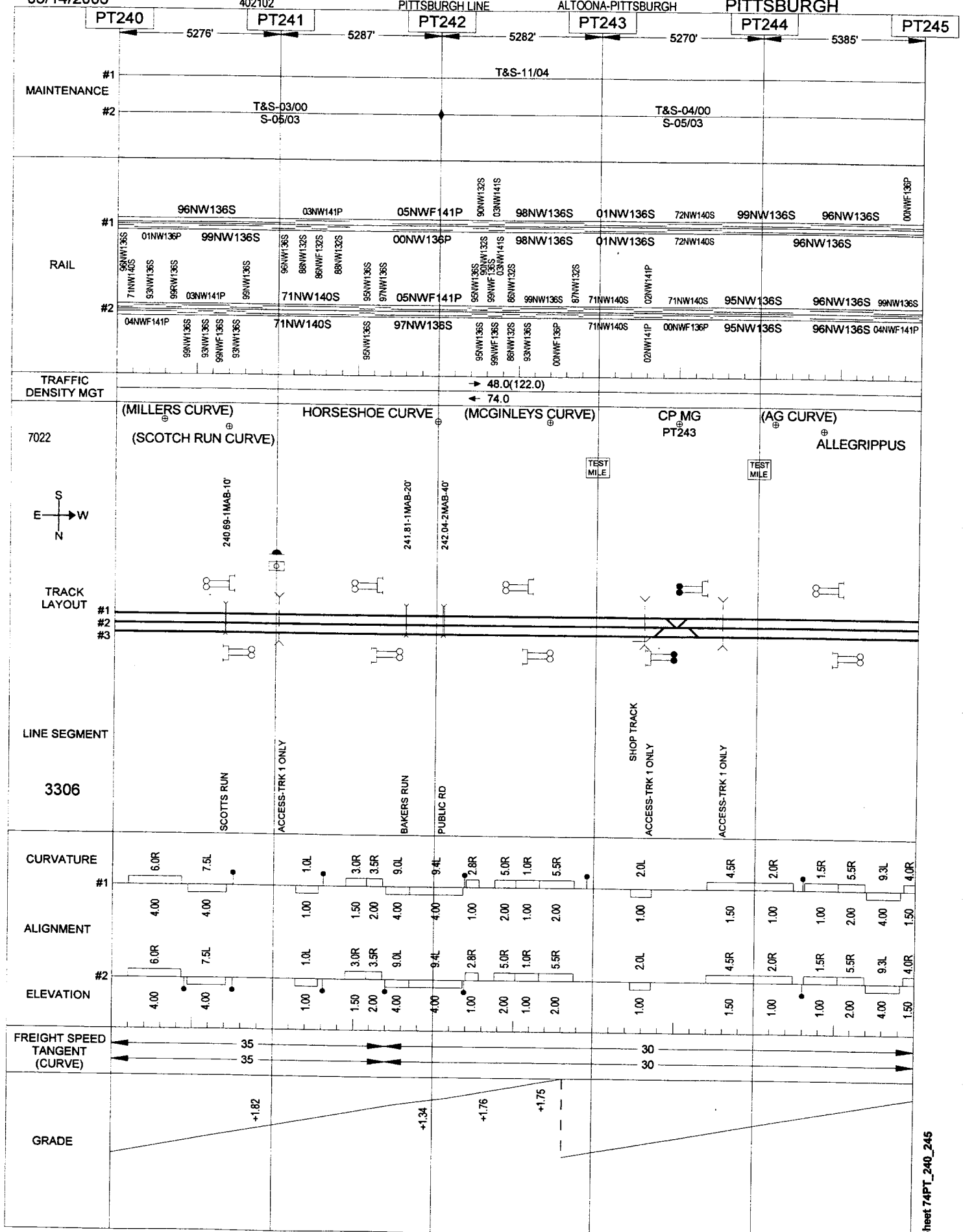
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026

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

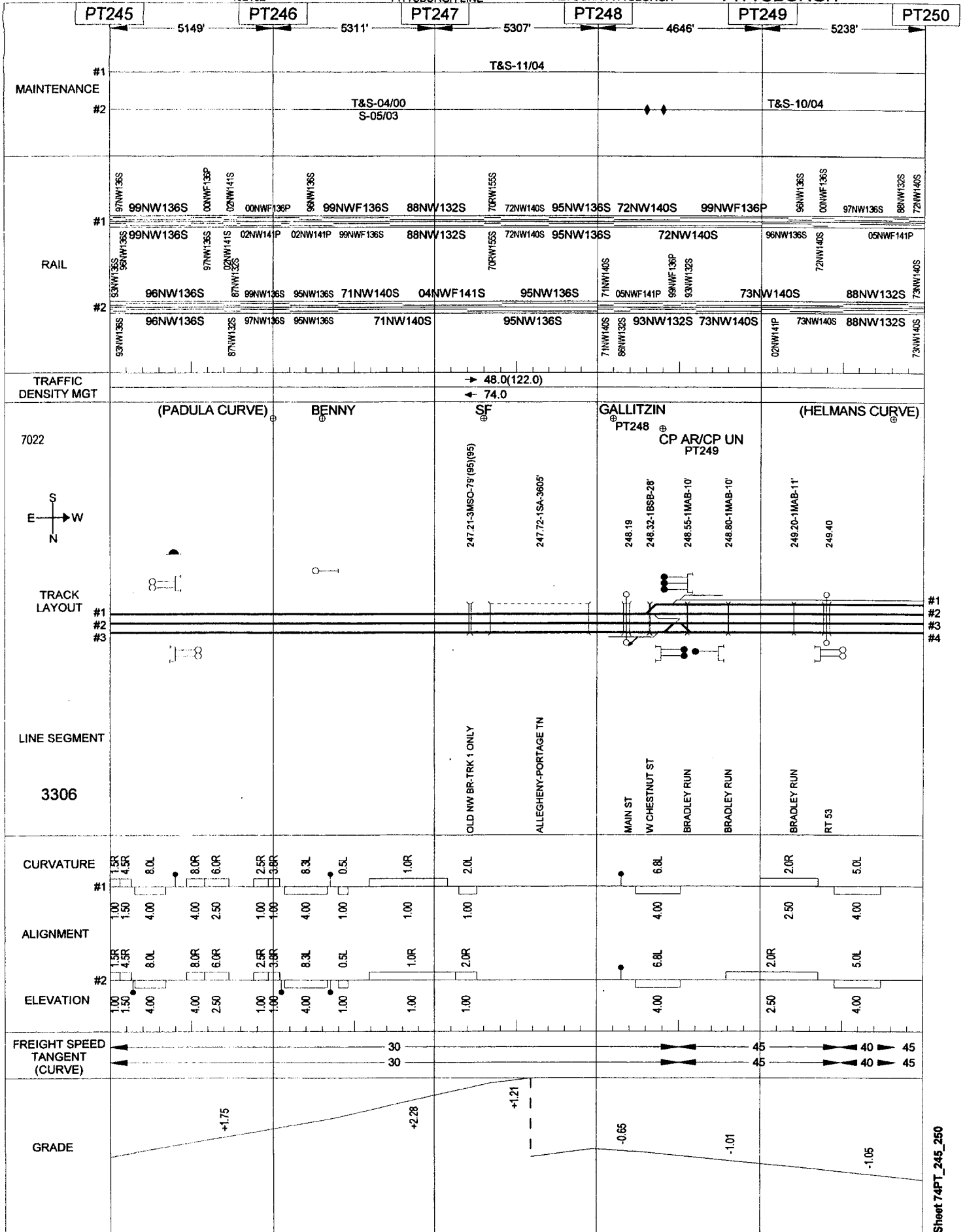
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027

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



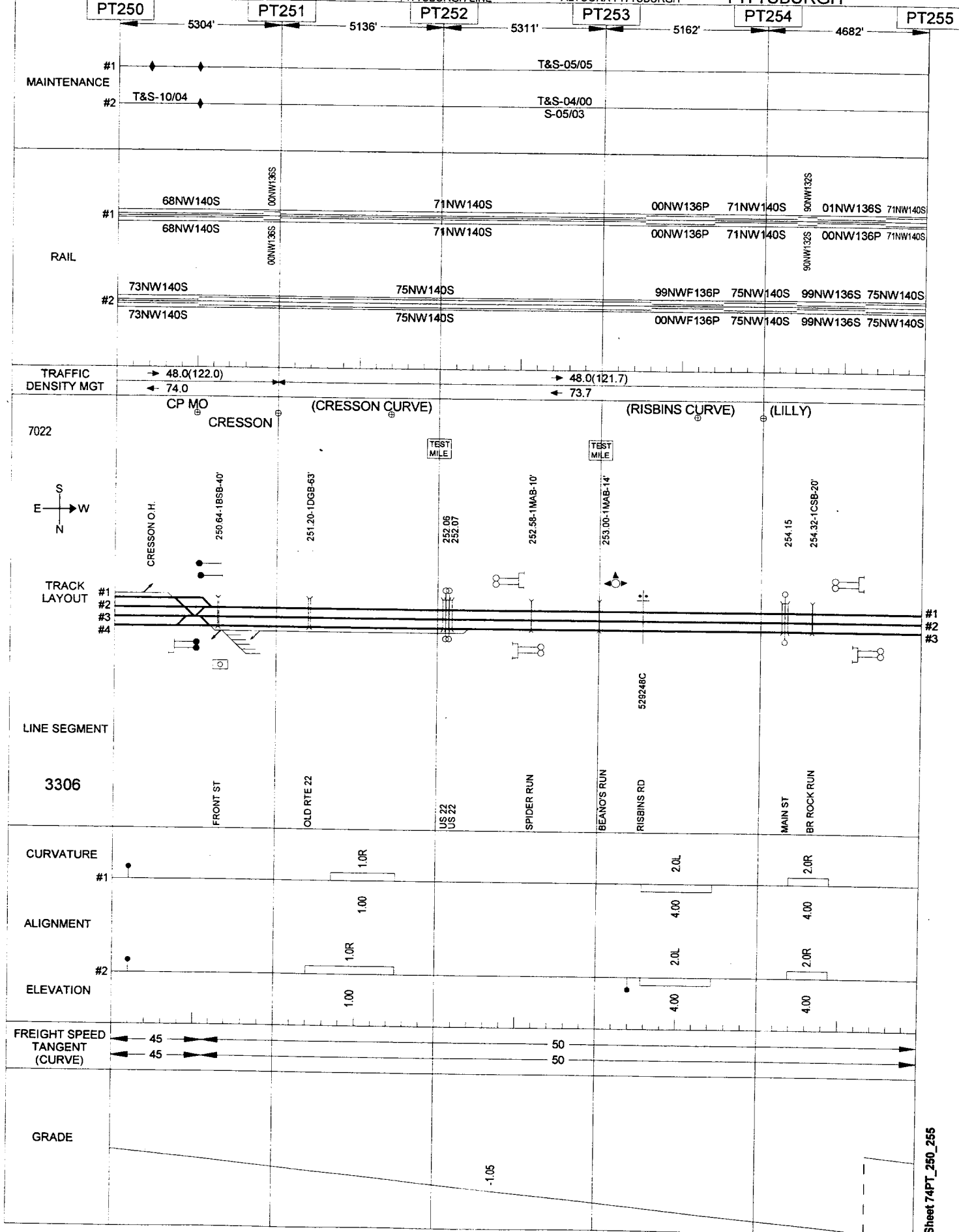
06/23/2006

028

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

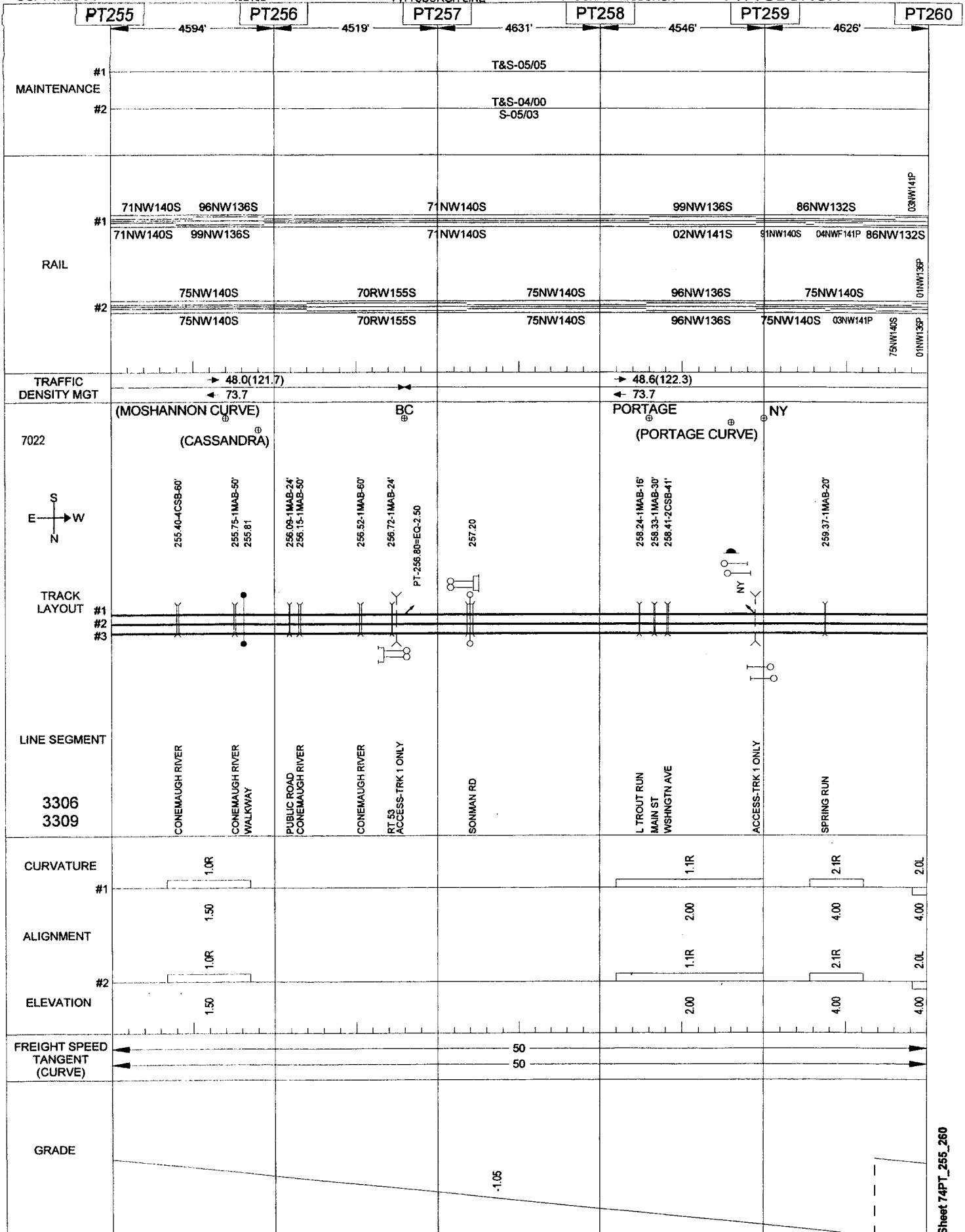
402102

029

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

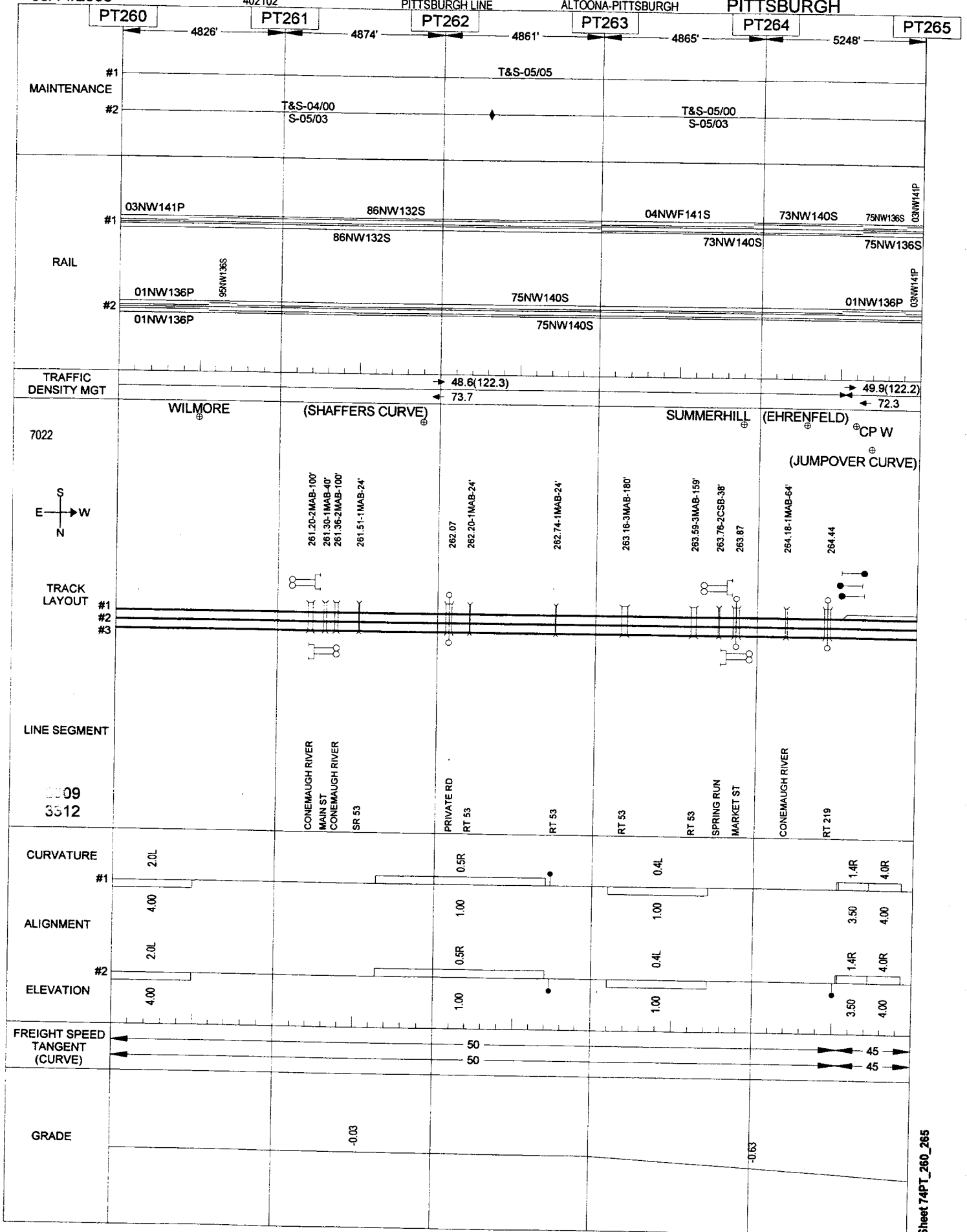
402102

030

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH





06/14/2006

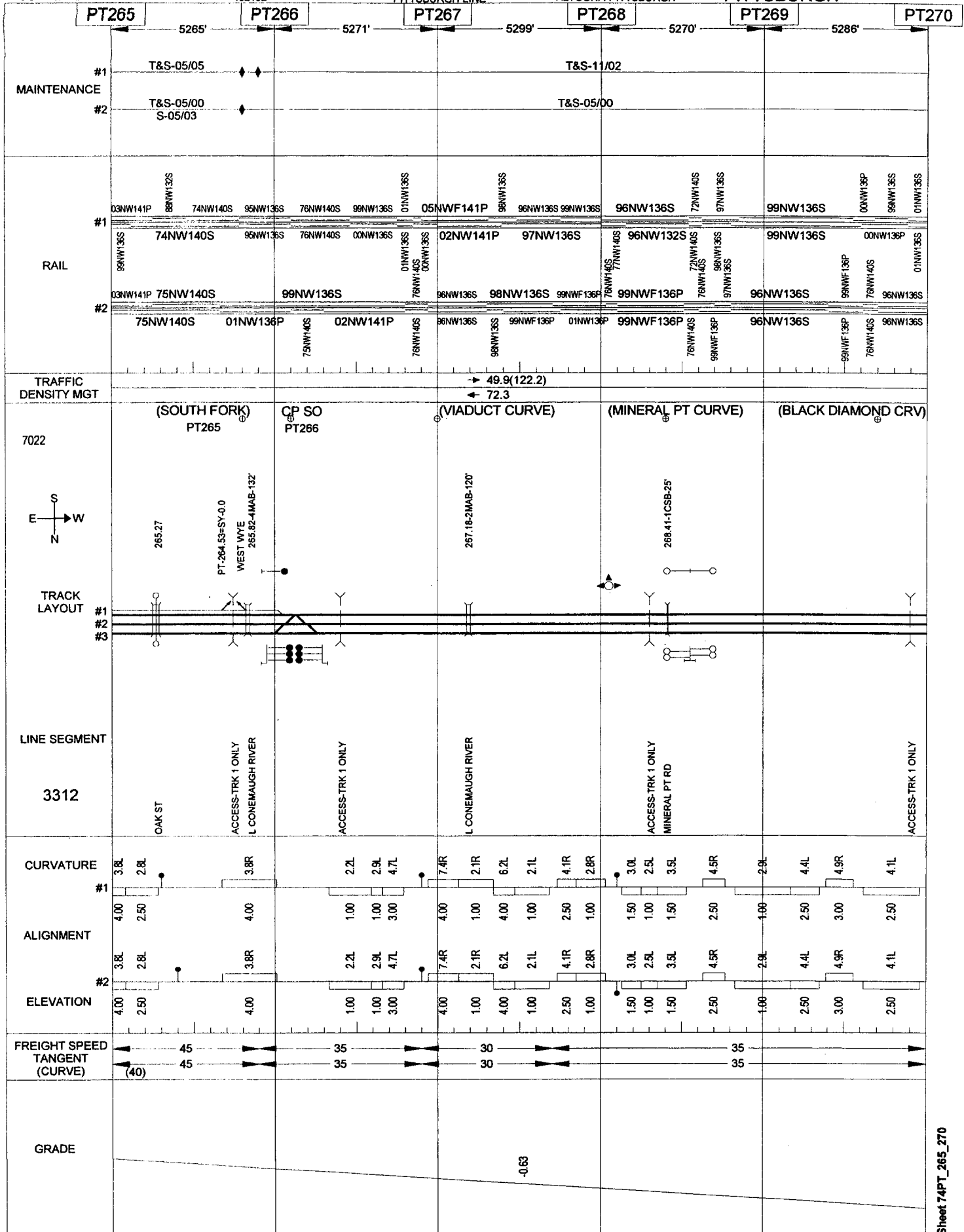
402102

031

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



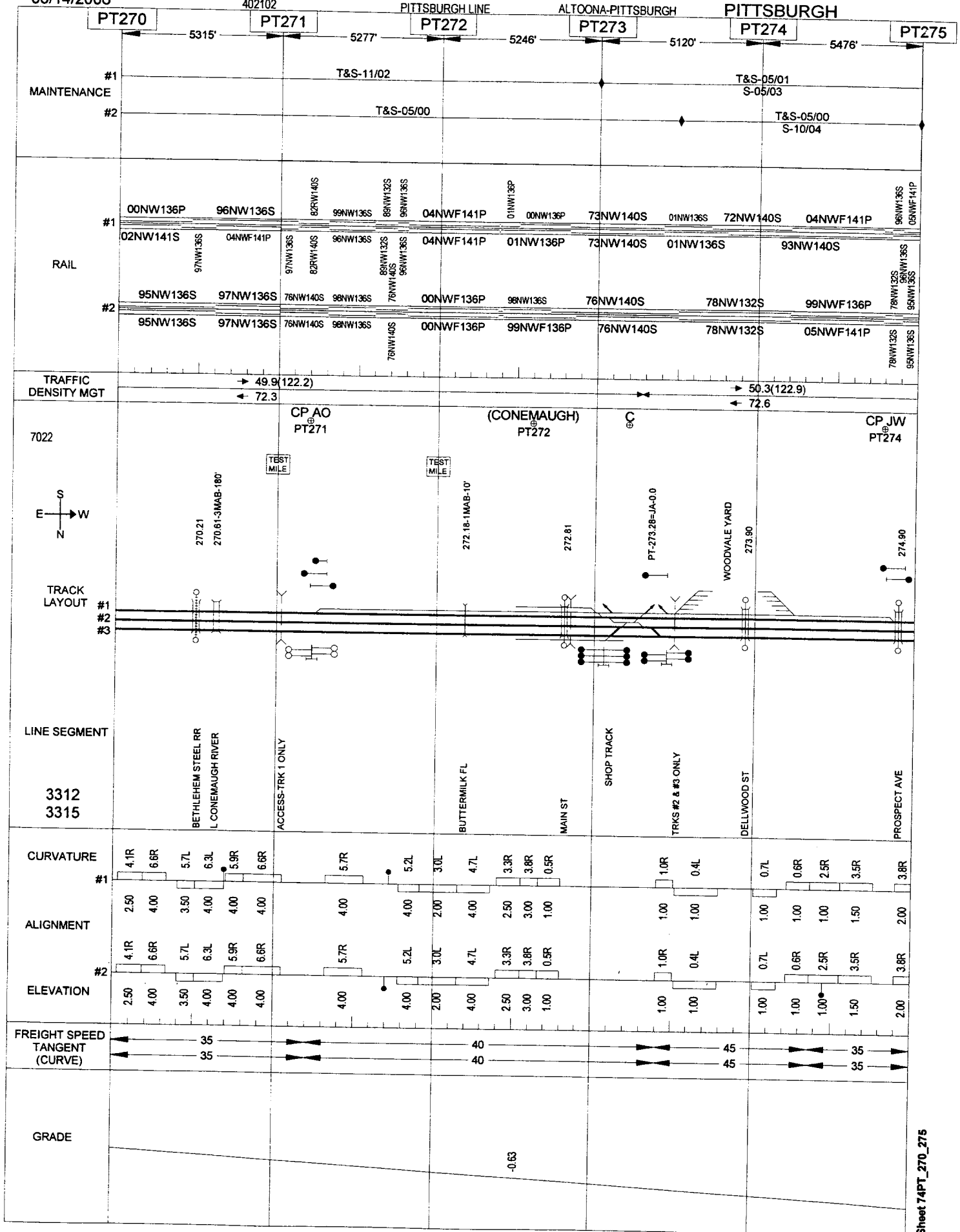
06/14/2006

032

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH





06/14/2006

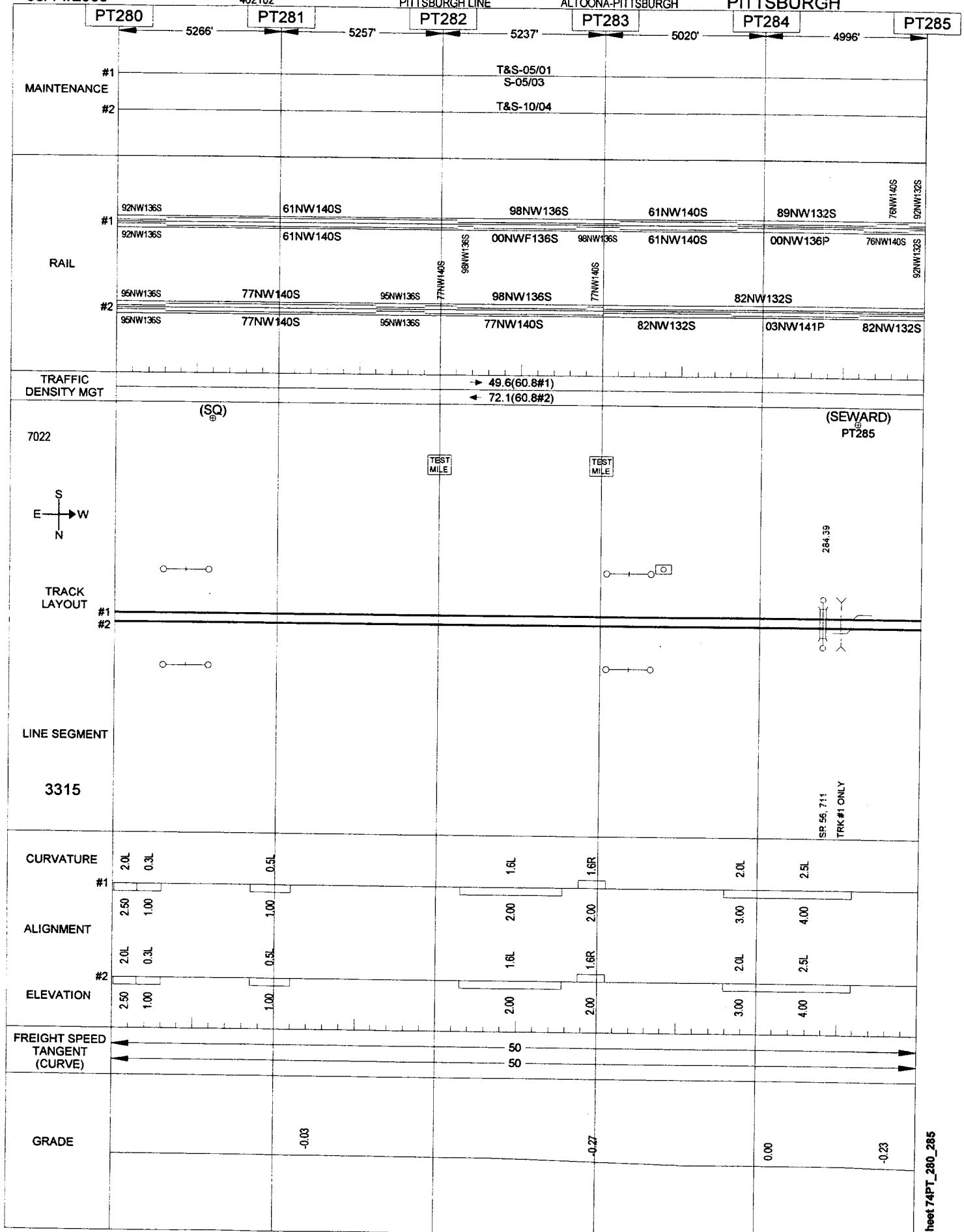
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034

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

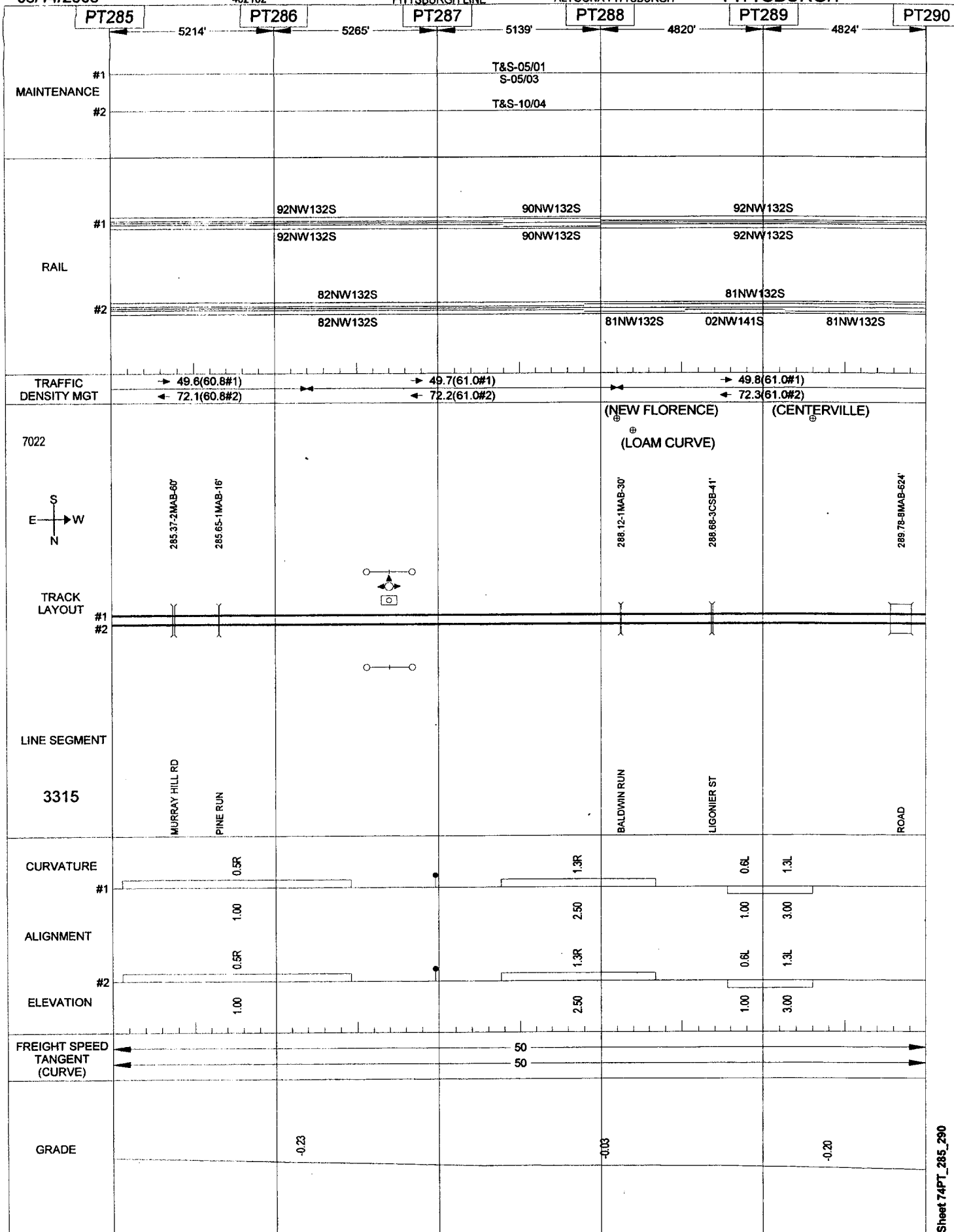
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035

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

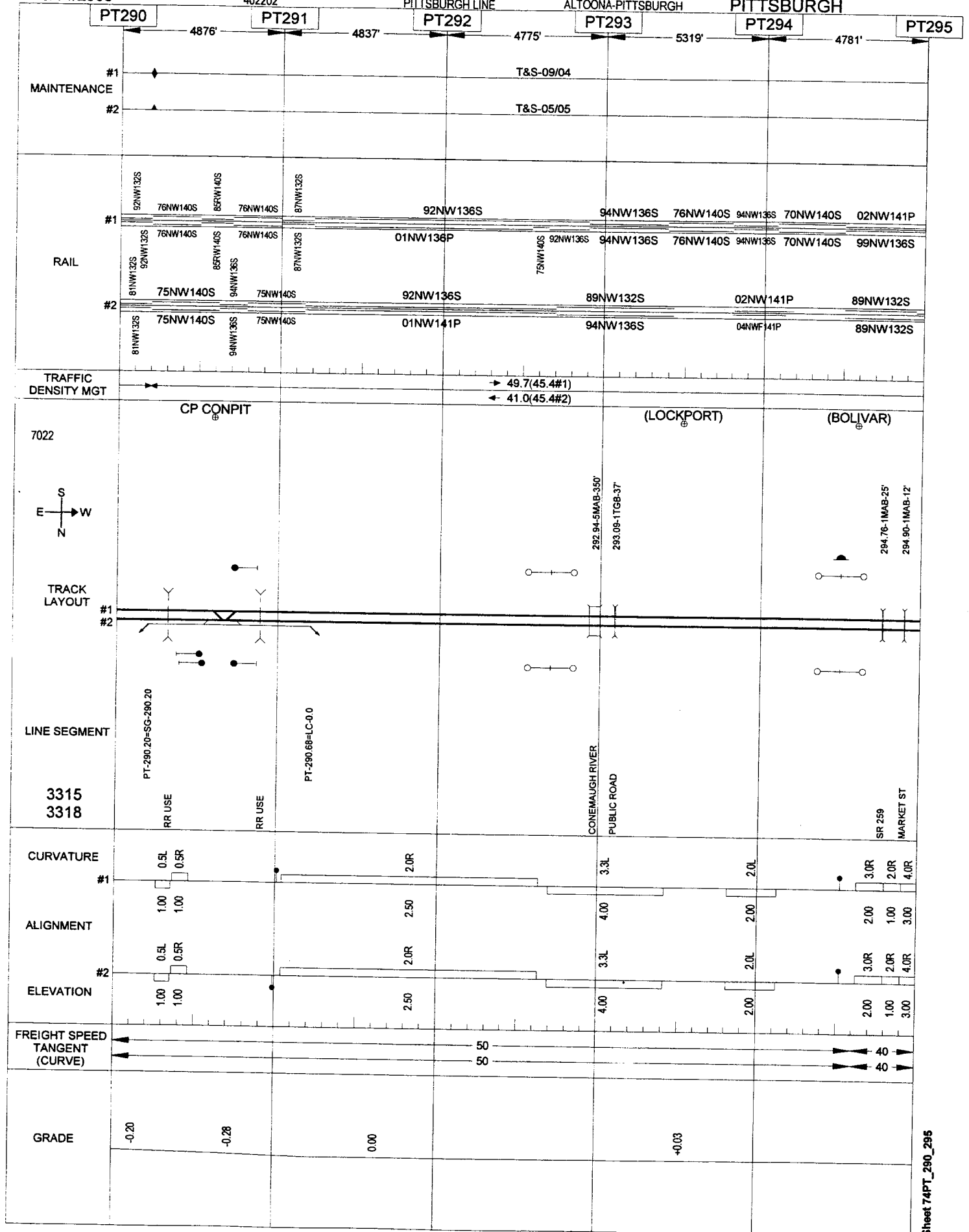
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036

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

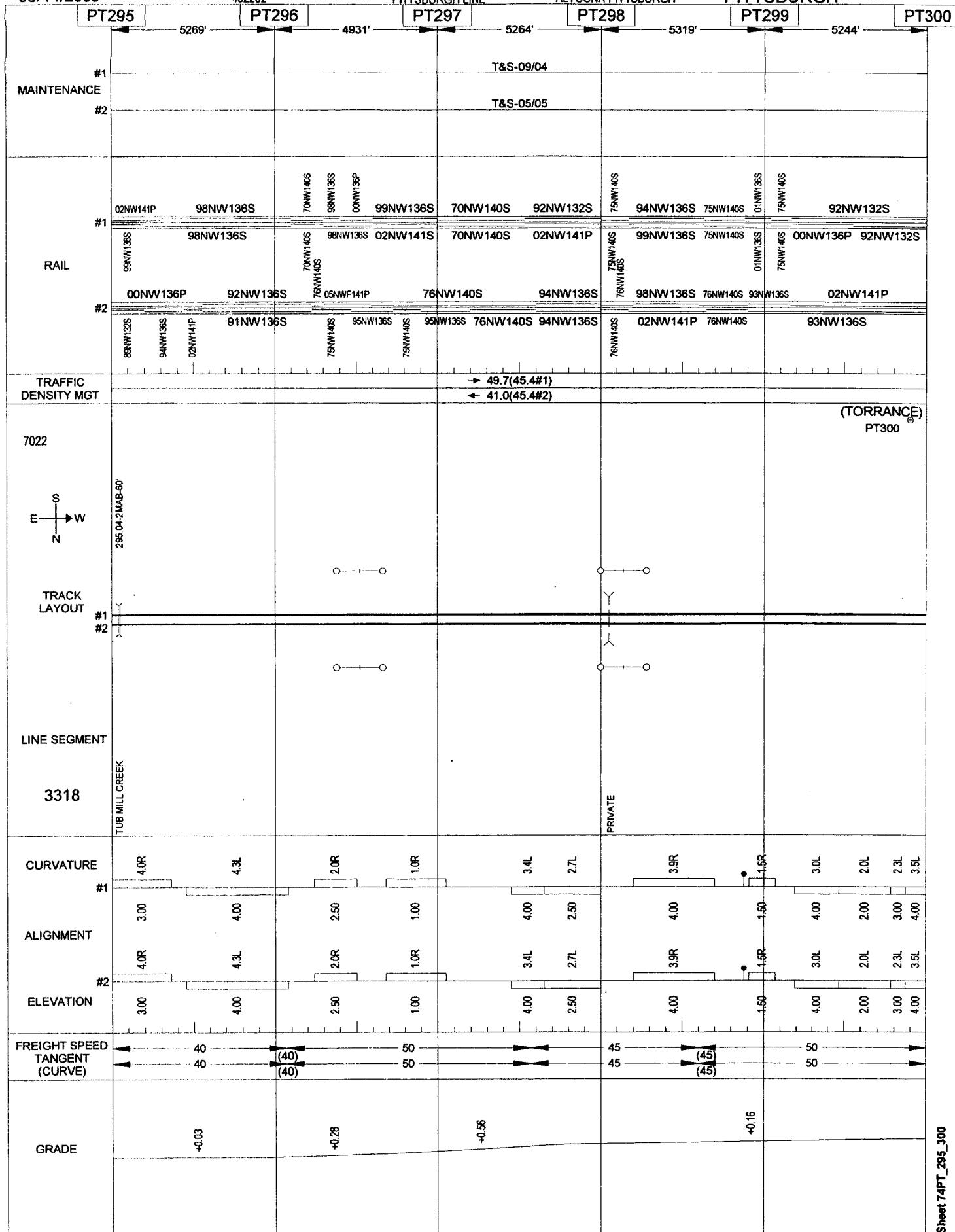
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037

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

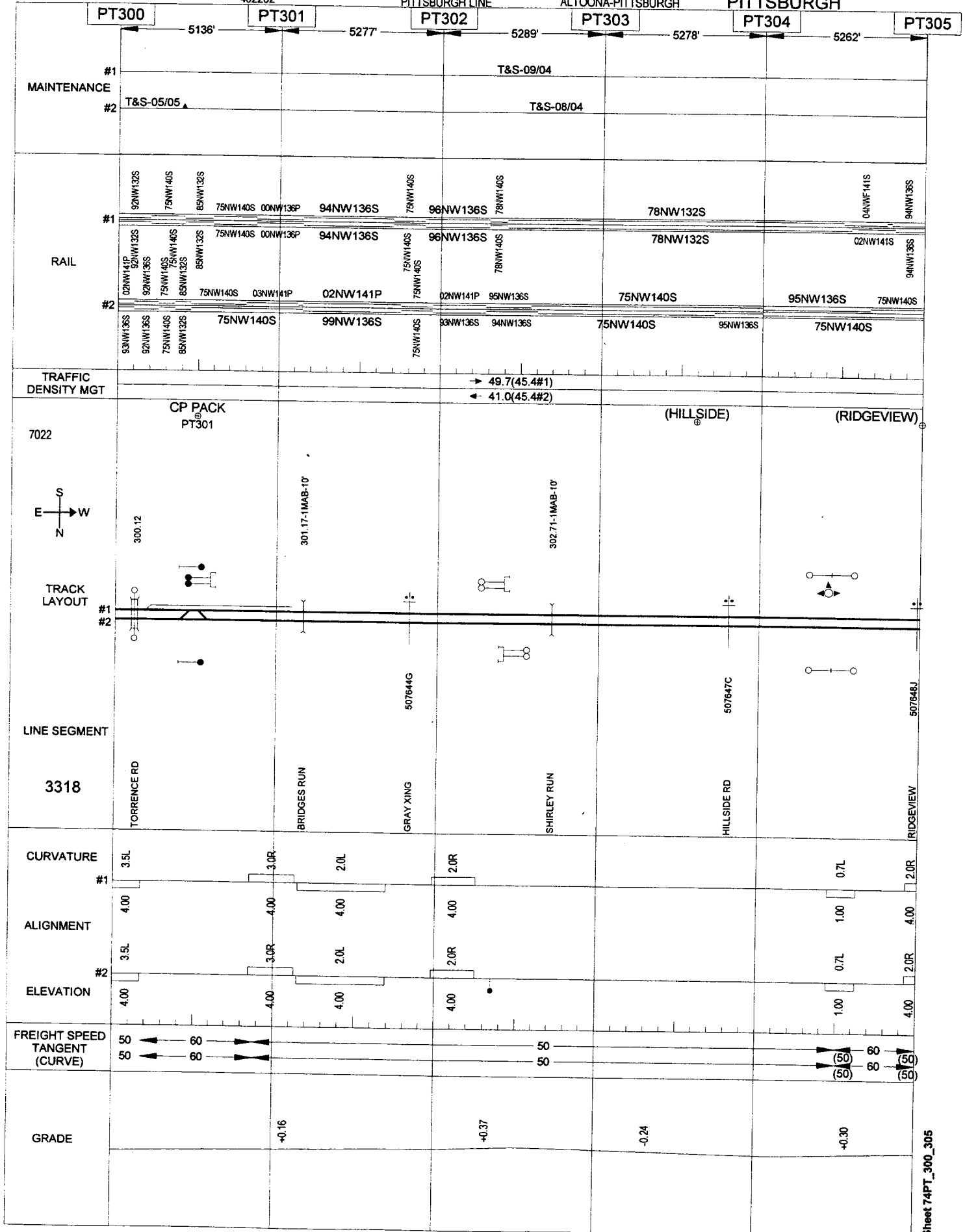
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PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH





06/14/2006

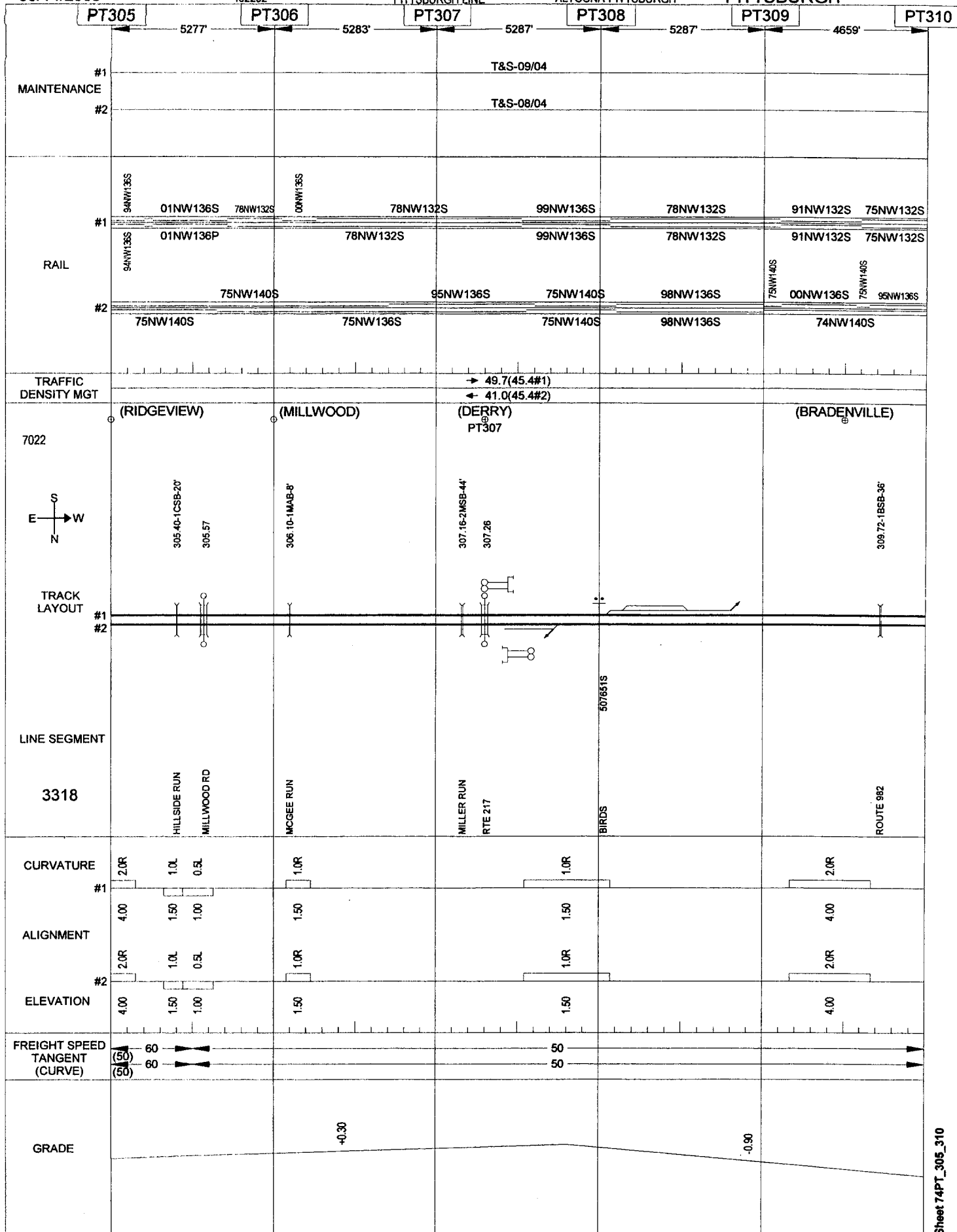
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PITTSBURGH



06/14/2006

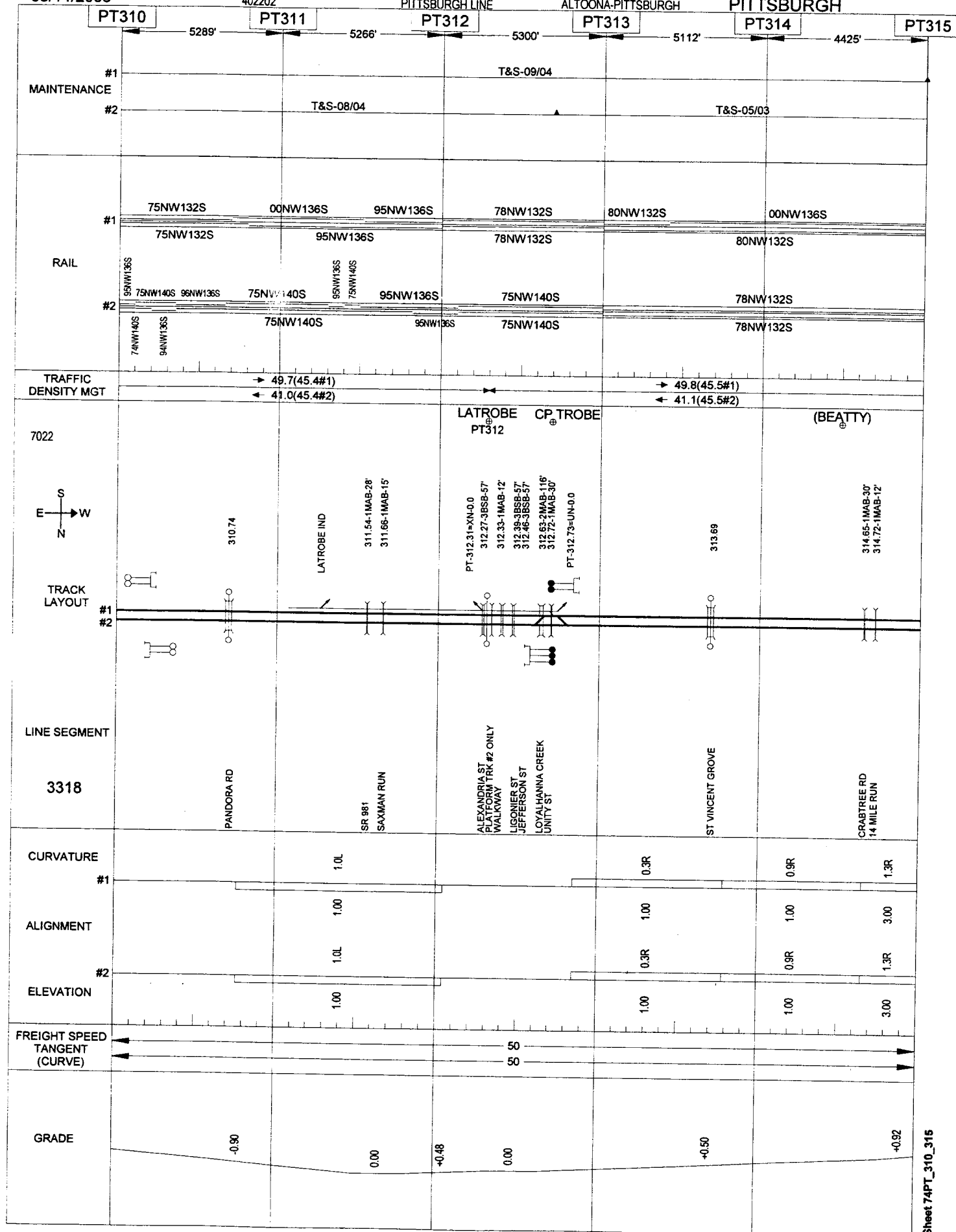
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PITTSBURGH



06/14/2006

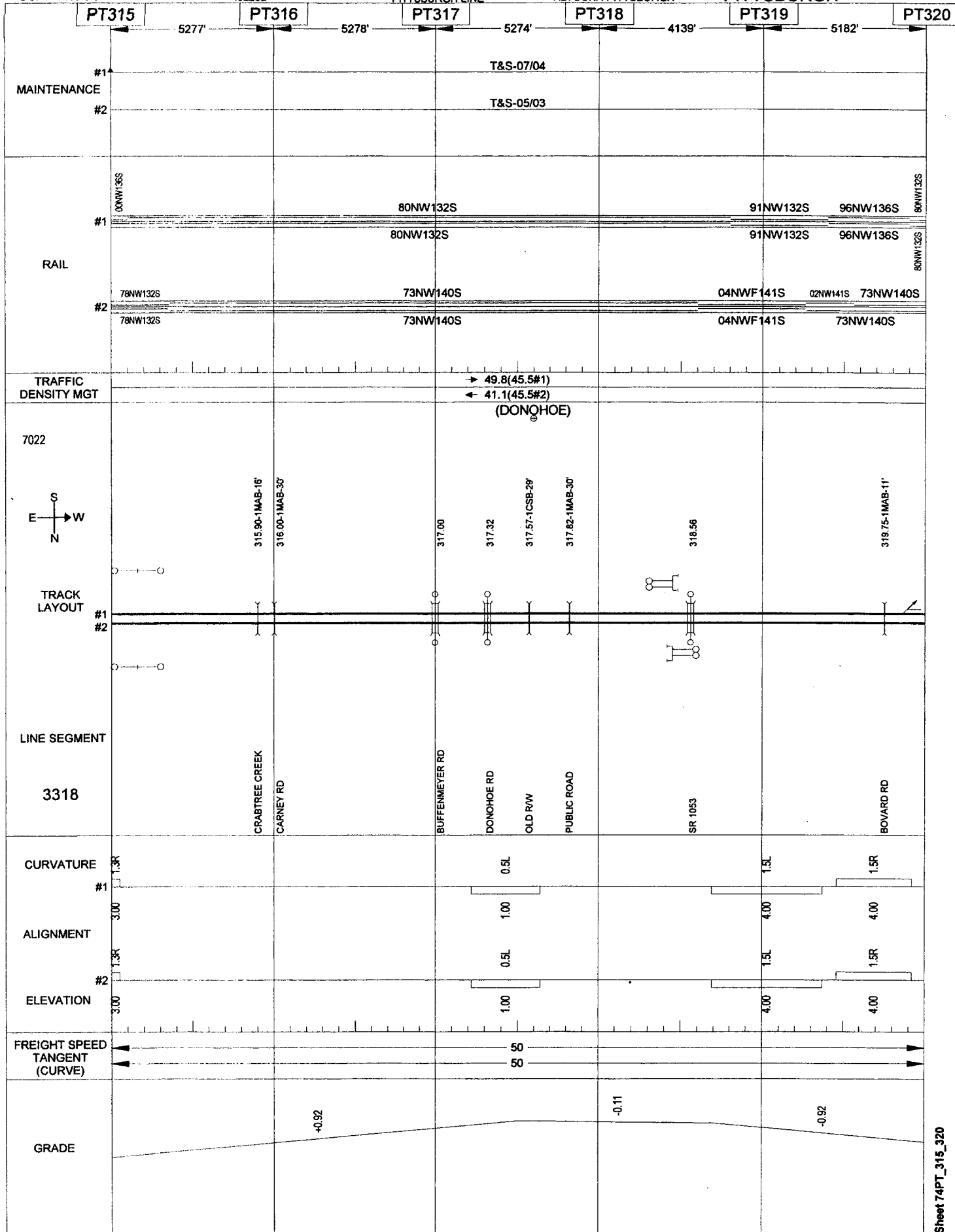
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PITTSBURGH



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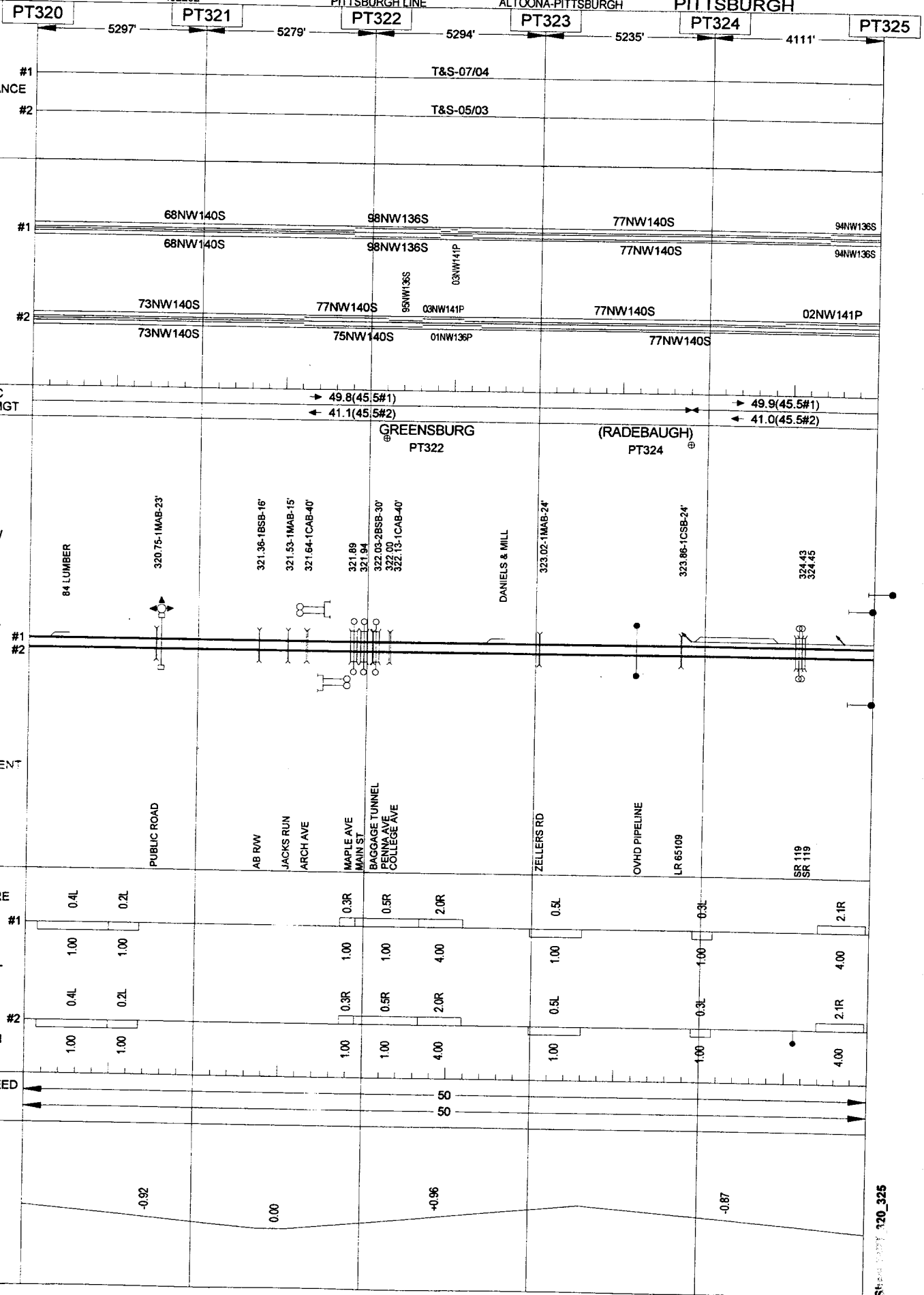
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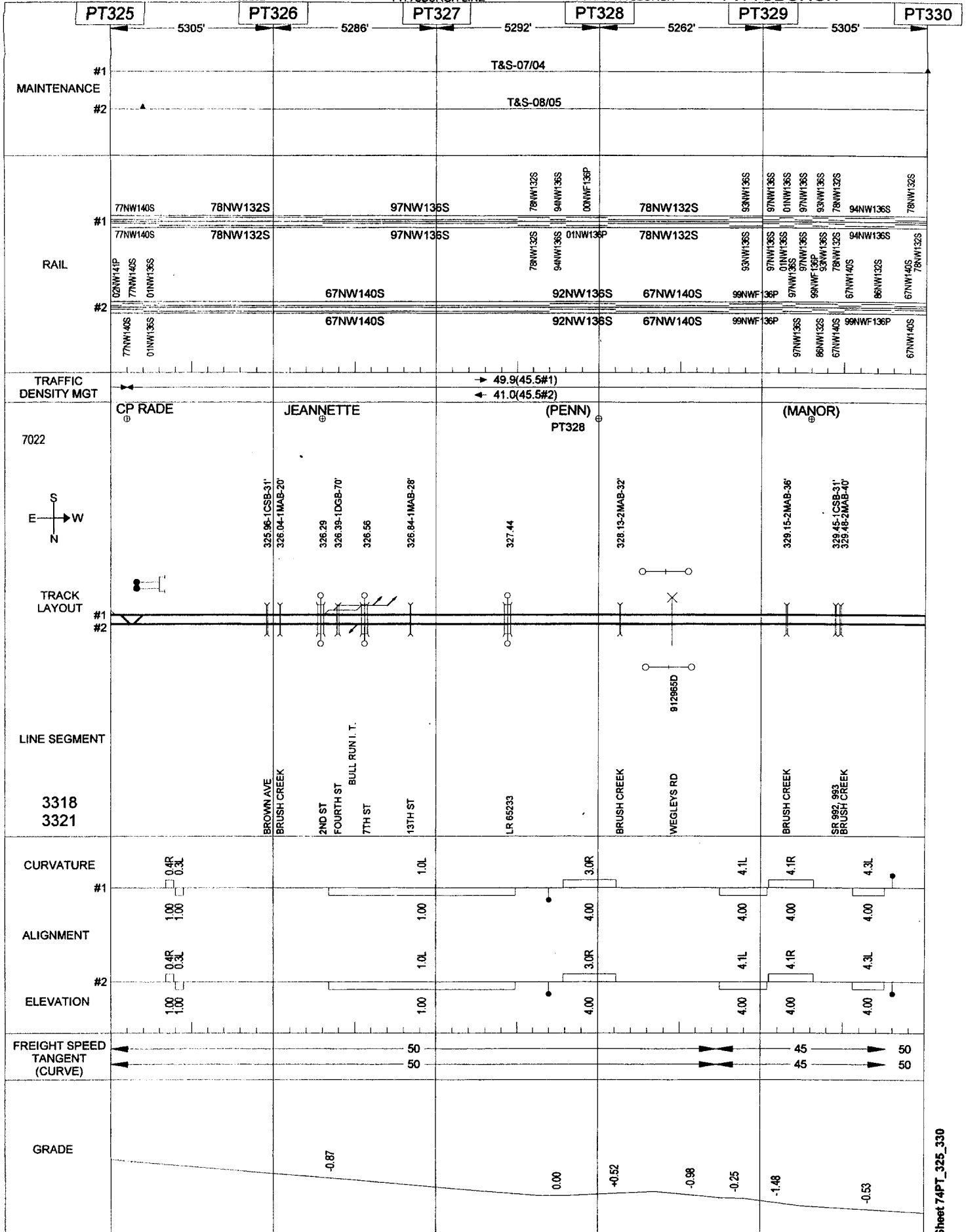
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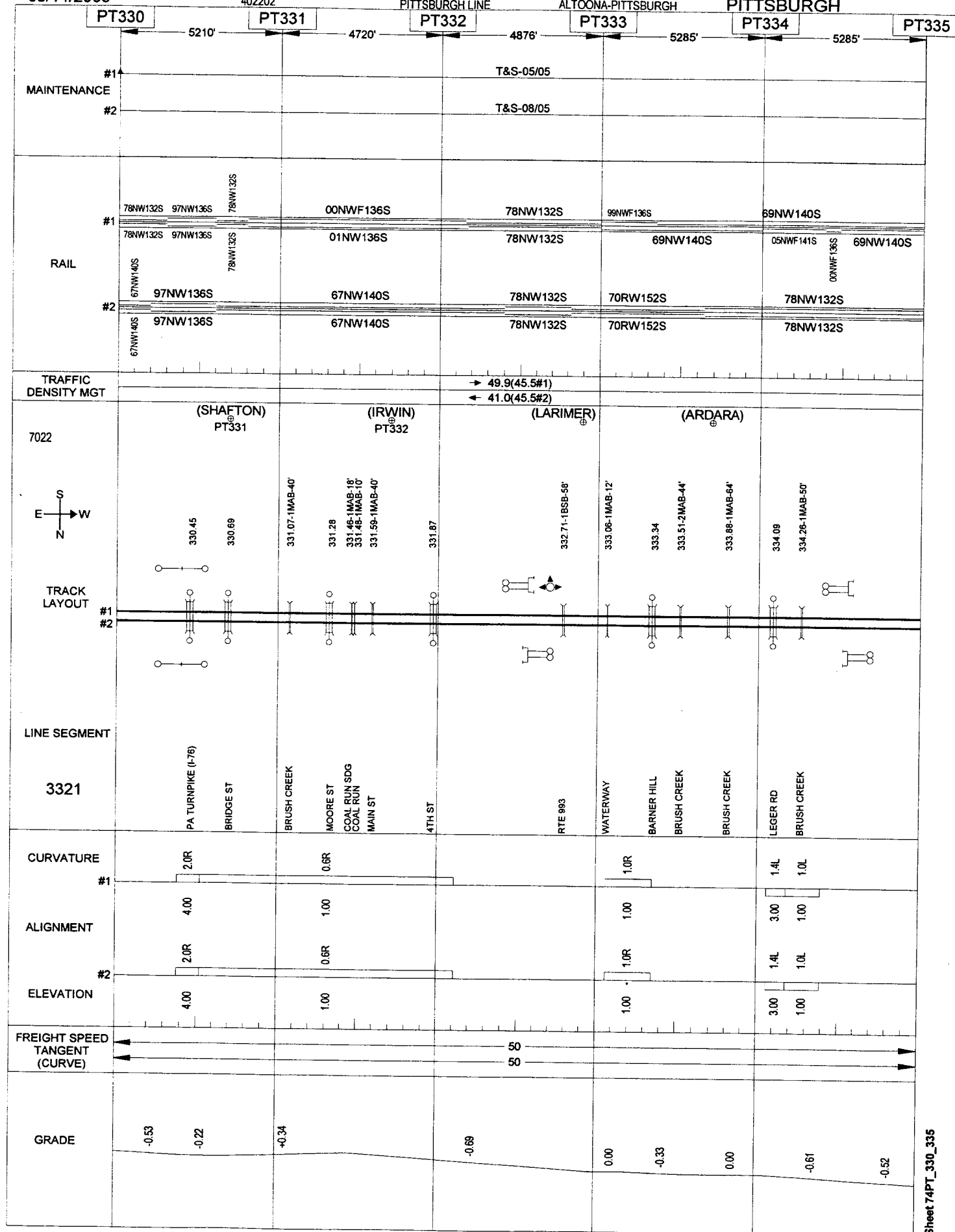
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ALTOONA-PITTSBURGH

PITTSBURGH



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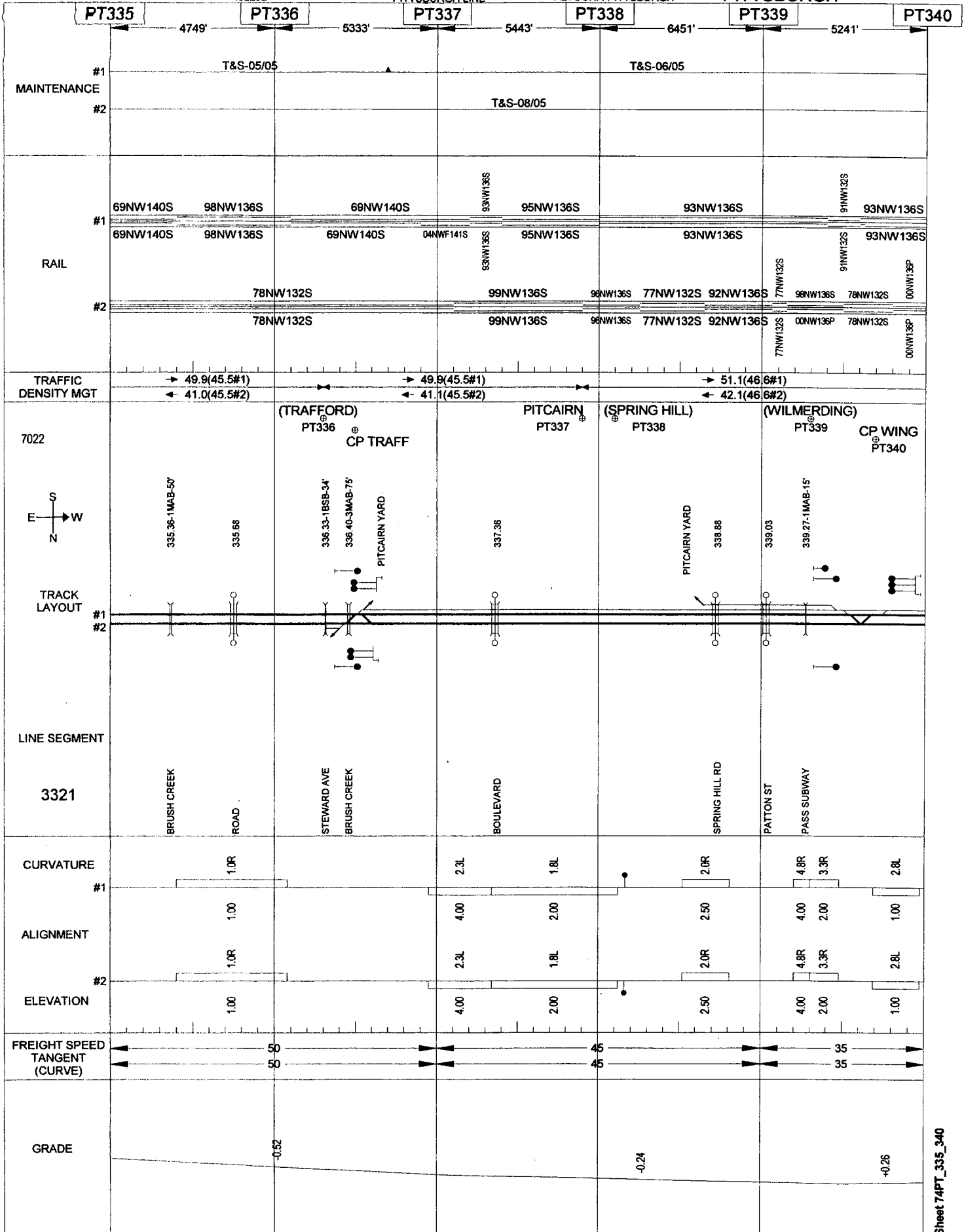
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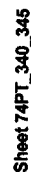
PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



## PITTSBURGH





06/14/2006

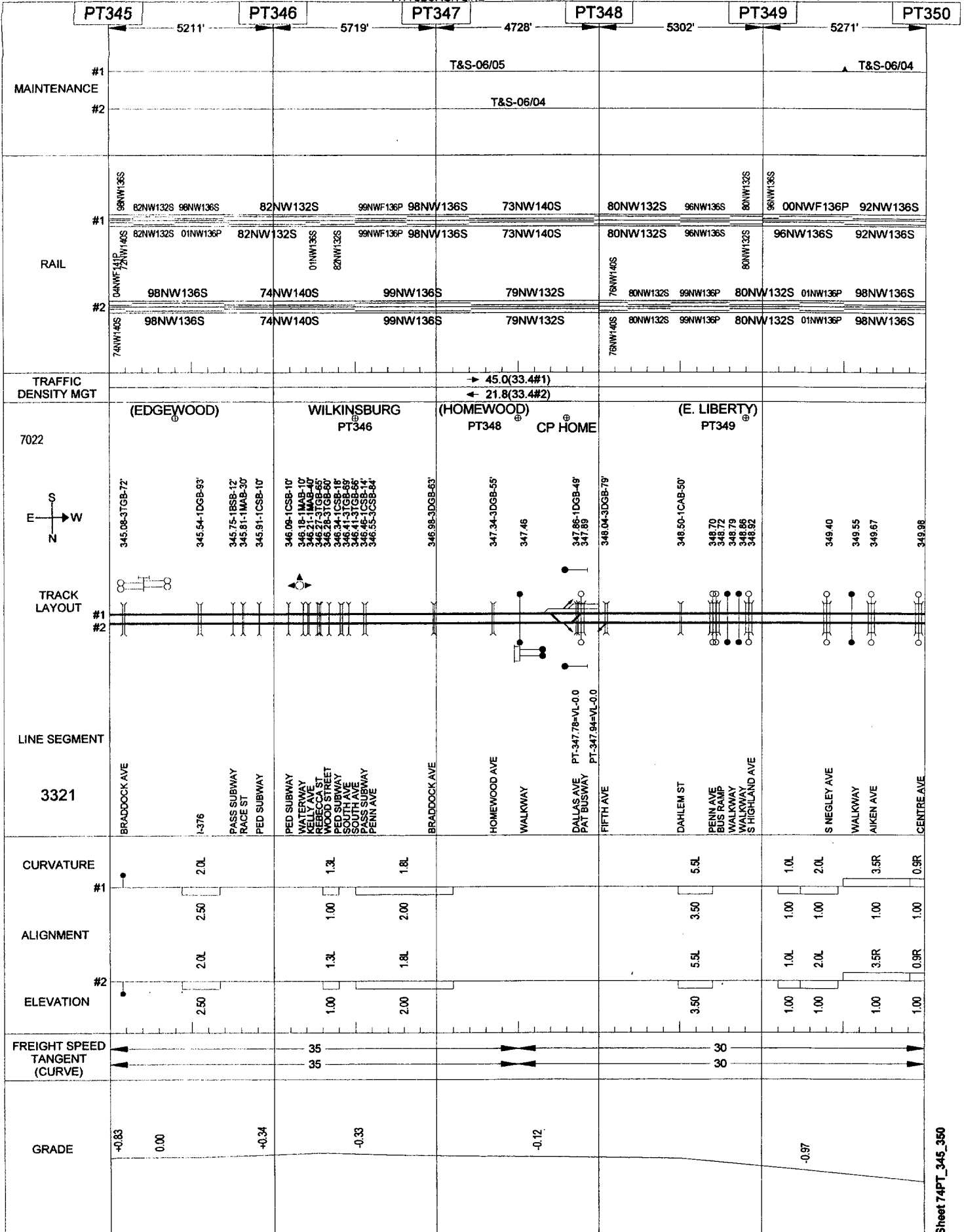
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047

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



06/14/2006

048

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

402202

PT350

PT351

PT352

PT353

5293'

5257'

5280'

1473'

#1

T&S-06/04

T&S-09/05

MAINTENANCE

#2

T&S-06/04

T&S-06/05

RAIL

#1

#2

#1

#2

TRAFFIC  
DENSITY MGT

→ 45.0(33.4#1)  
← 21.8(33.4#2)

7022

TEST  
MILE

TEST  
MILE

S  
E → W  
N

TRACK  
LAYOUT

#1

#2

LINE SEGMENT

3321

BAUM BLVD  
MILLVALE AVE  
BLOOMFIELD BRIDGE  
33RD ST  
28TH ST  
23TH ST  
RR USE  
14TH ST  
CONCOURSE  
STATION TO RIVER BDG

CURVATURE

#1

ALIGNMENT

#2

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

-0.97

-0.31

-0.08

06/14/2006

402111

049

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH

SG278

SG279

SG280

7245'

5230'

MAINTENANCE

T&S-06/81  
S-05/02

RAIL

94NW136S

94NW136S

TRAFFIC  
DENSITY MGT→ 0.6(1.0)  
← 0.4

7024

TRACK  
LAYOUT

SG-278.00=PT-278.00

277.57-6DGB-582'



LINE SEGMENT

3603

CONEMAUGH RIVER  
PRIVATE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

(35) (35) (35) 40

GRADE

-0.23

-0.20

-0.26

06/14/2006

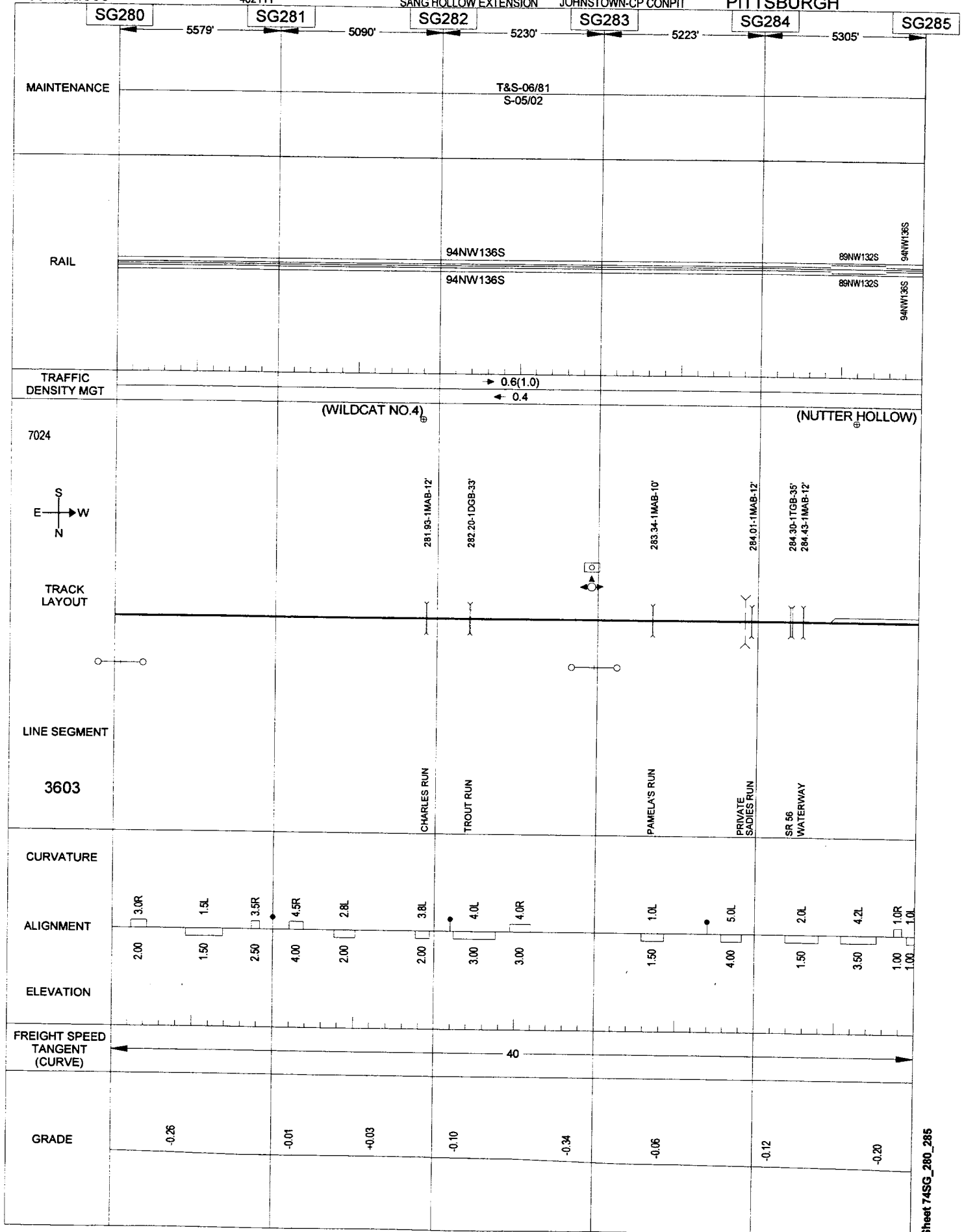
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050

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH



06/14/2006

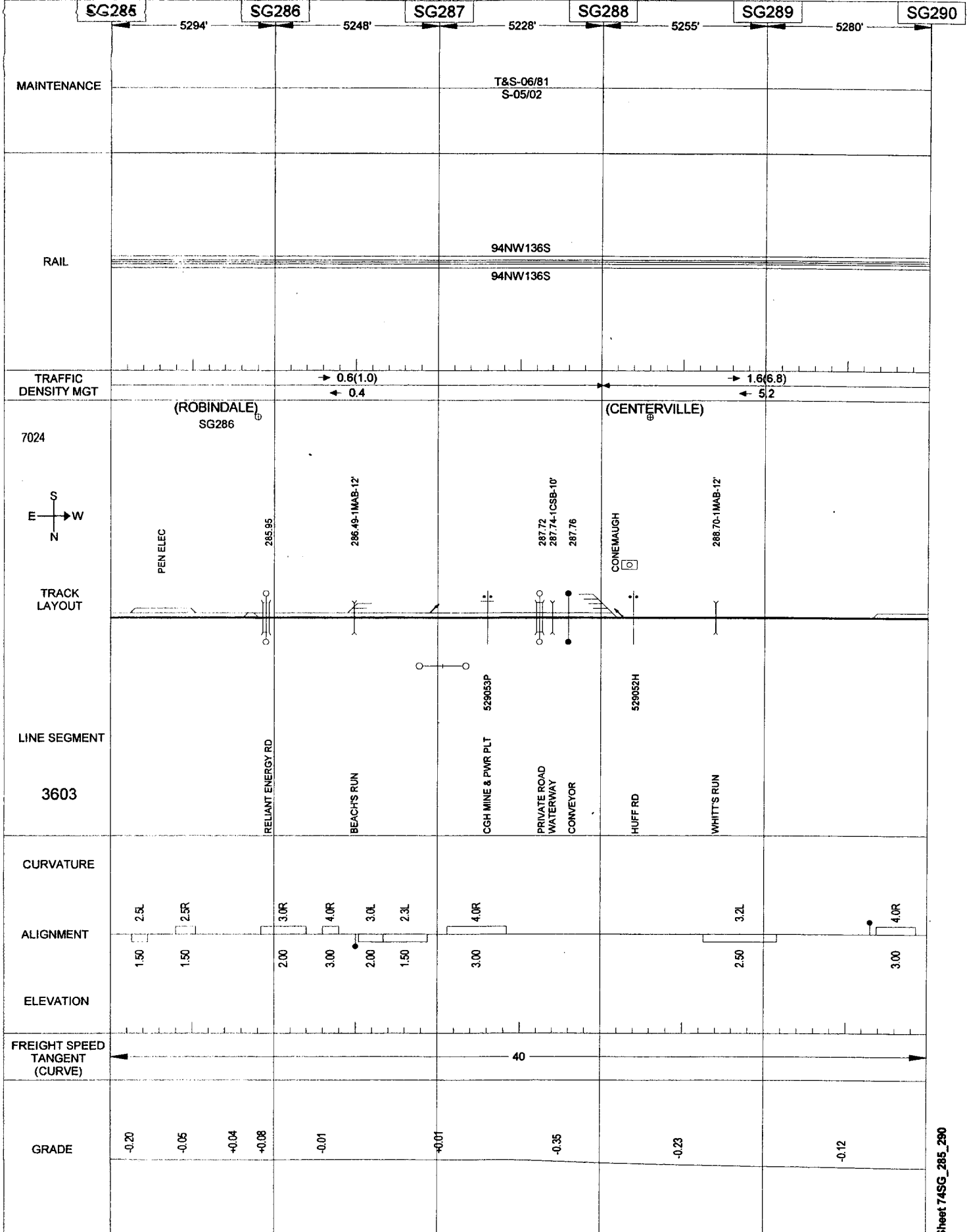
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051

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH



06/14/2006

402111

052

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH

SG290

716'

MAINTENANCE

RAIL

94NW136S  
94NW136S

TRAFFIC  
DENSITY MGT

5.2

CP CONPIT

7024

S  
E → W  
N

TRACK  
LAYOUT

SG-290.20=PT-290.20

TO CONEMAUGH LINE

LINE SEGMENT

360°

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

GRADE

-0.12

06/14/2006

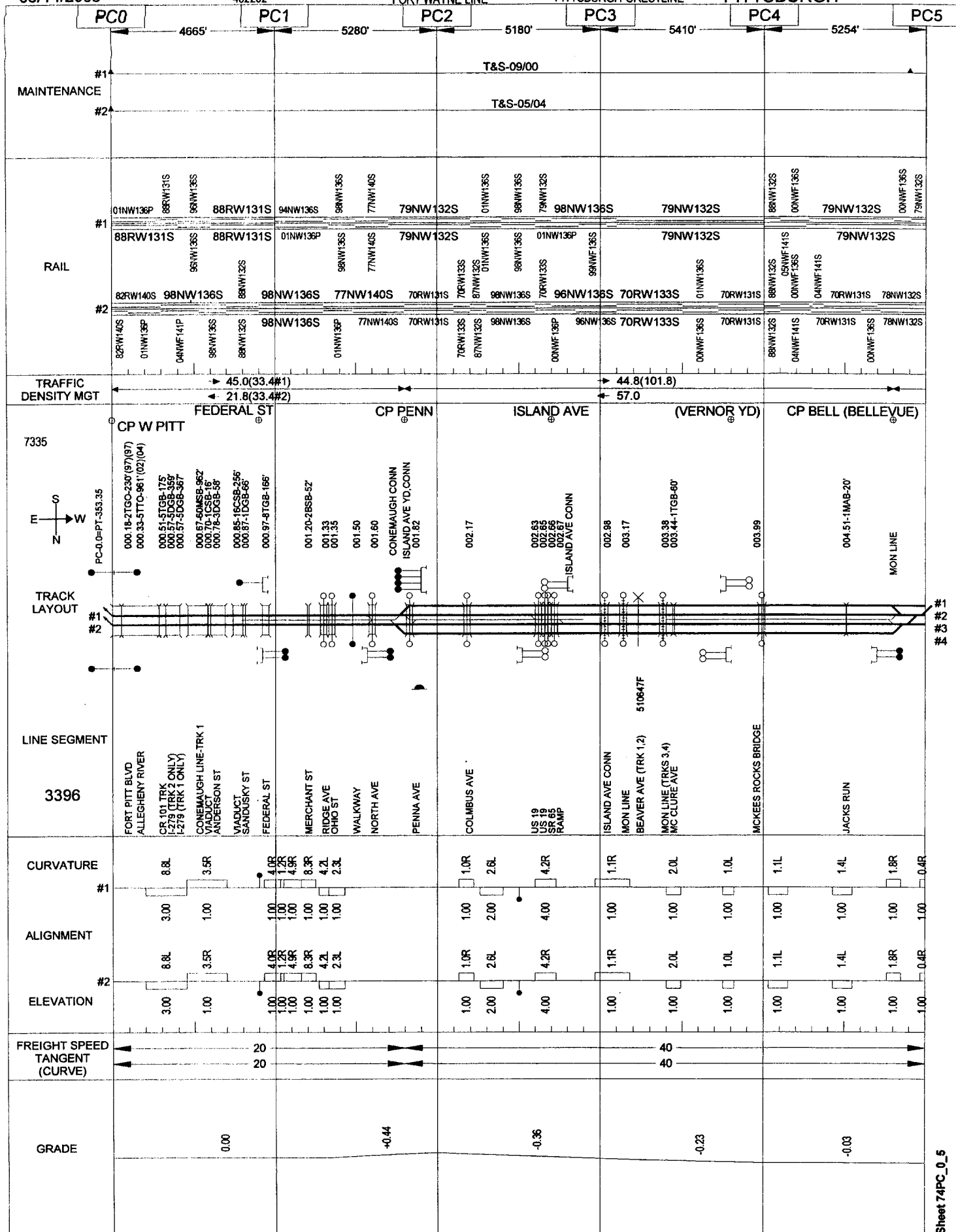
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053

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



PITTSBURGH





06/14/2006

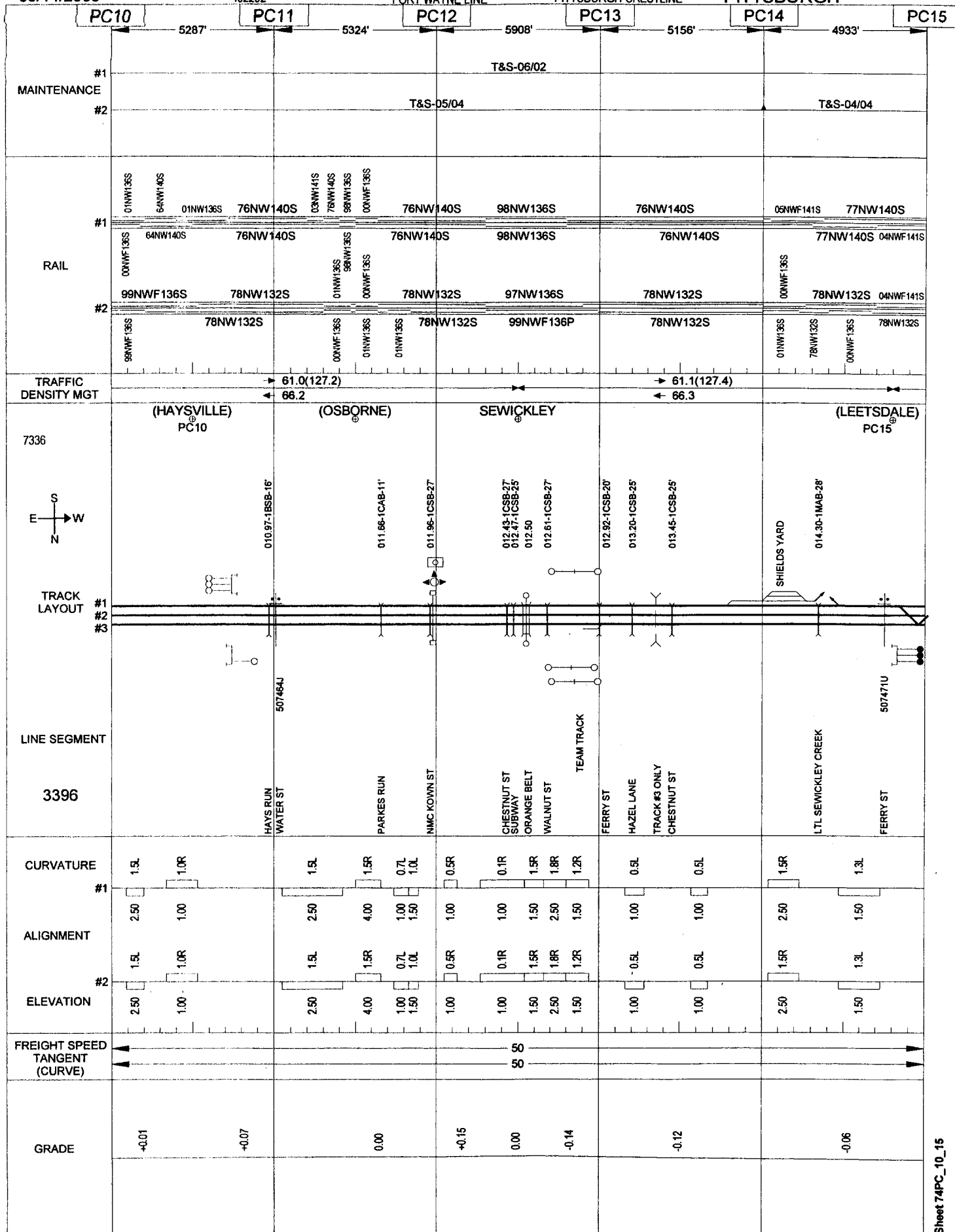
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

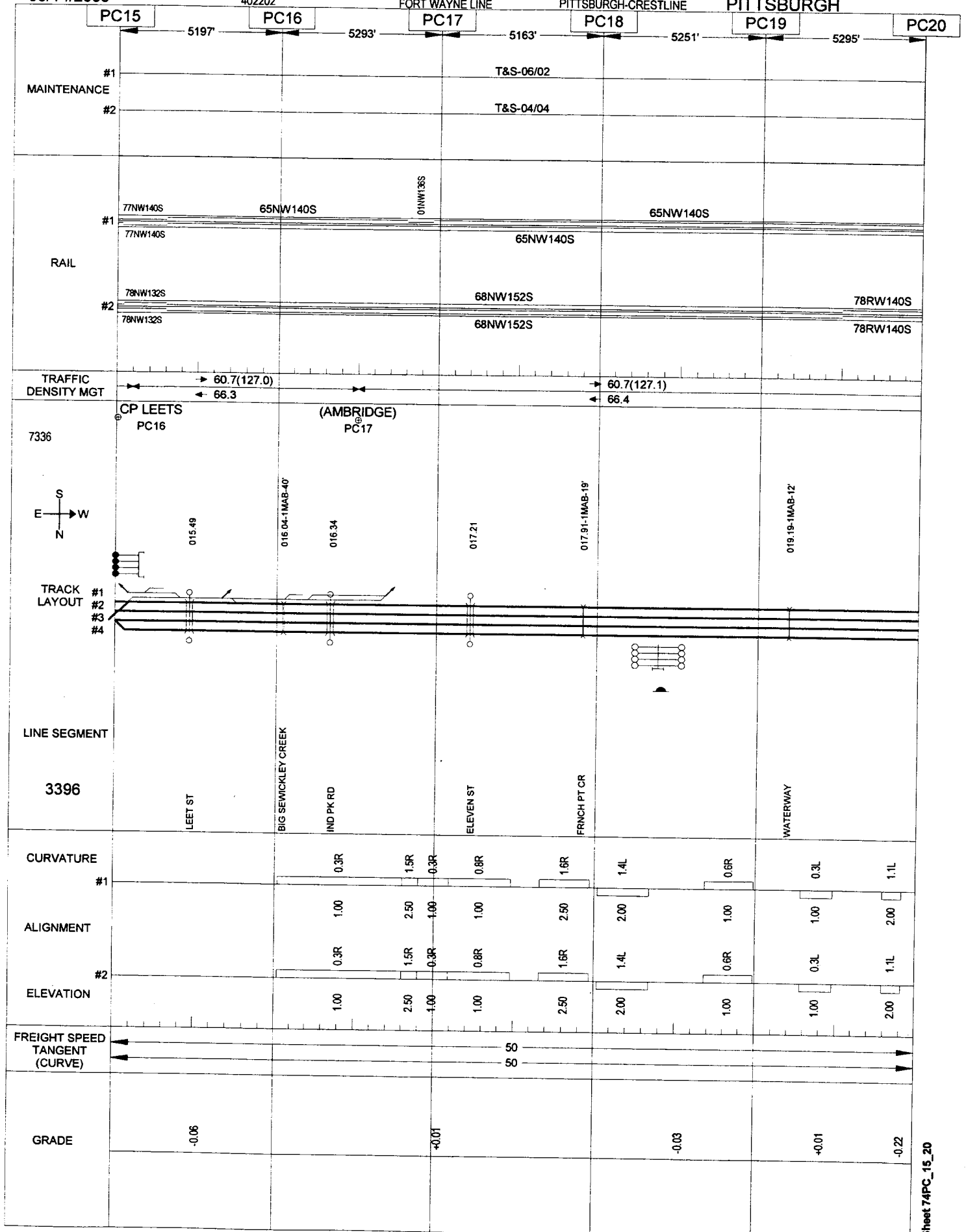
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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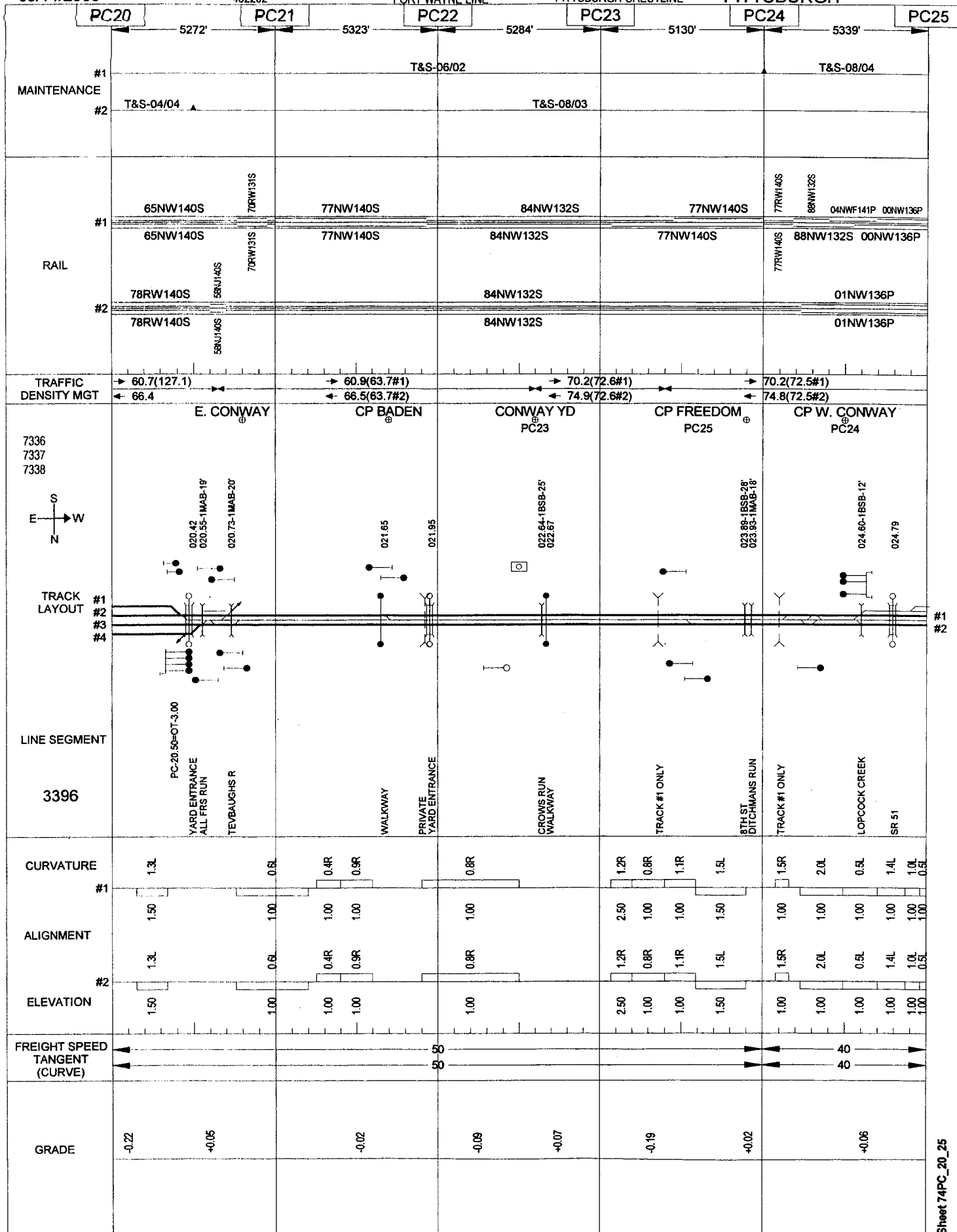
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

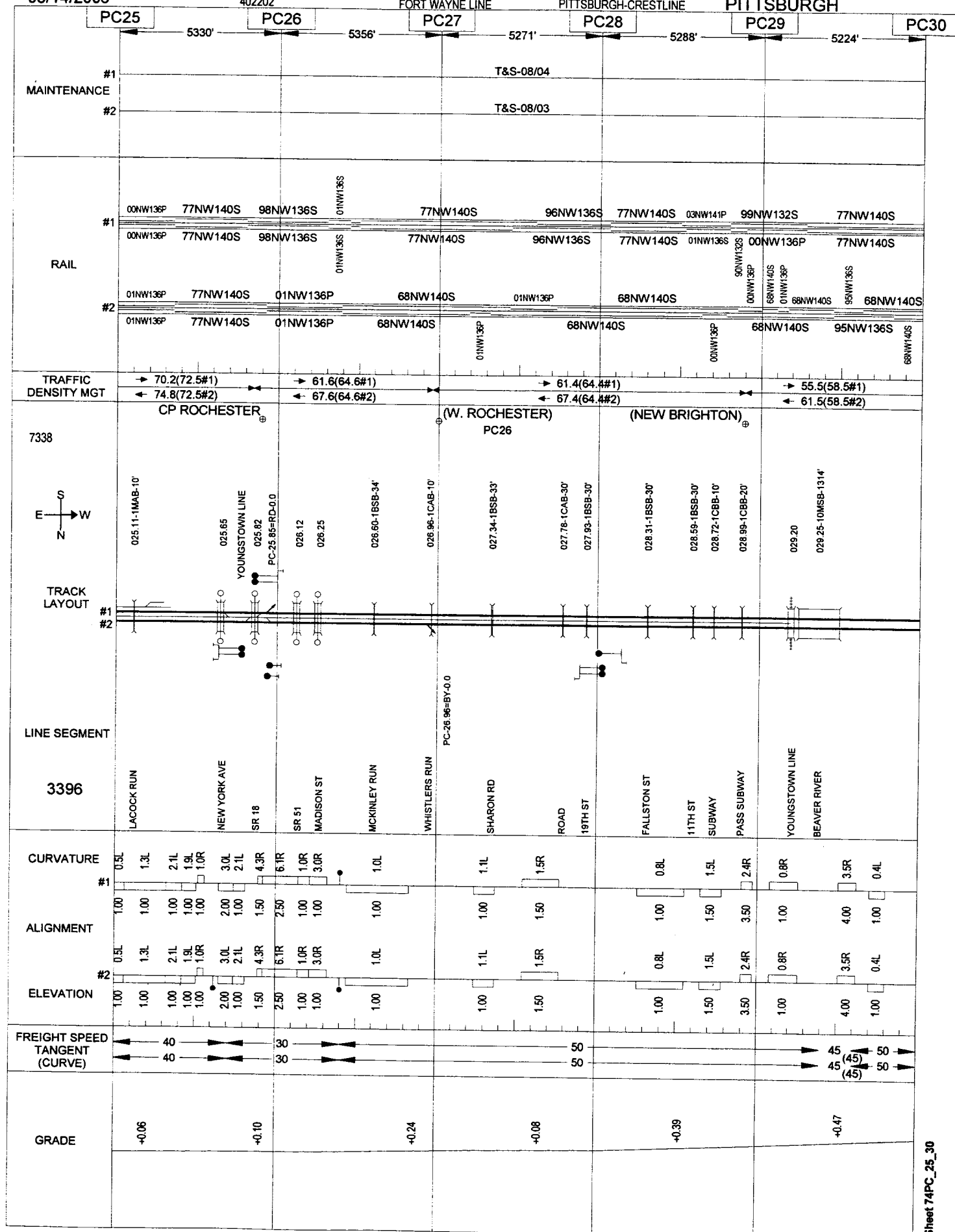
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

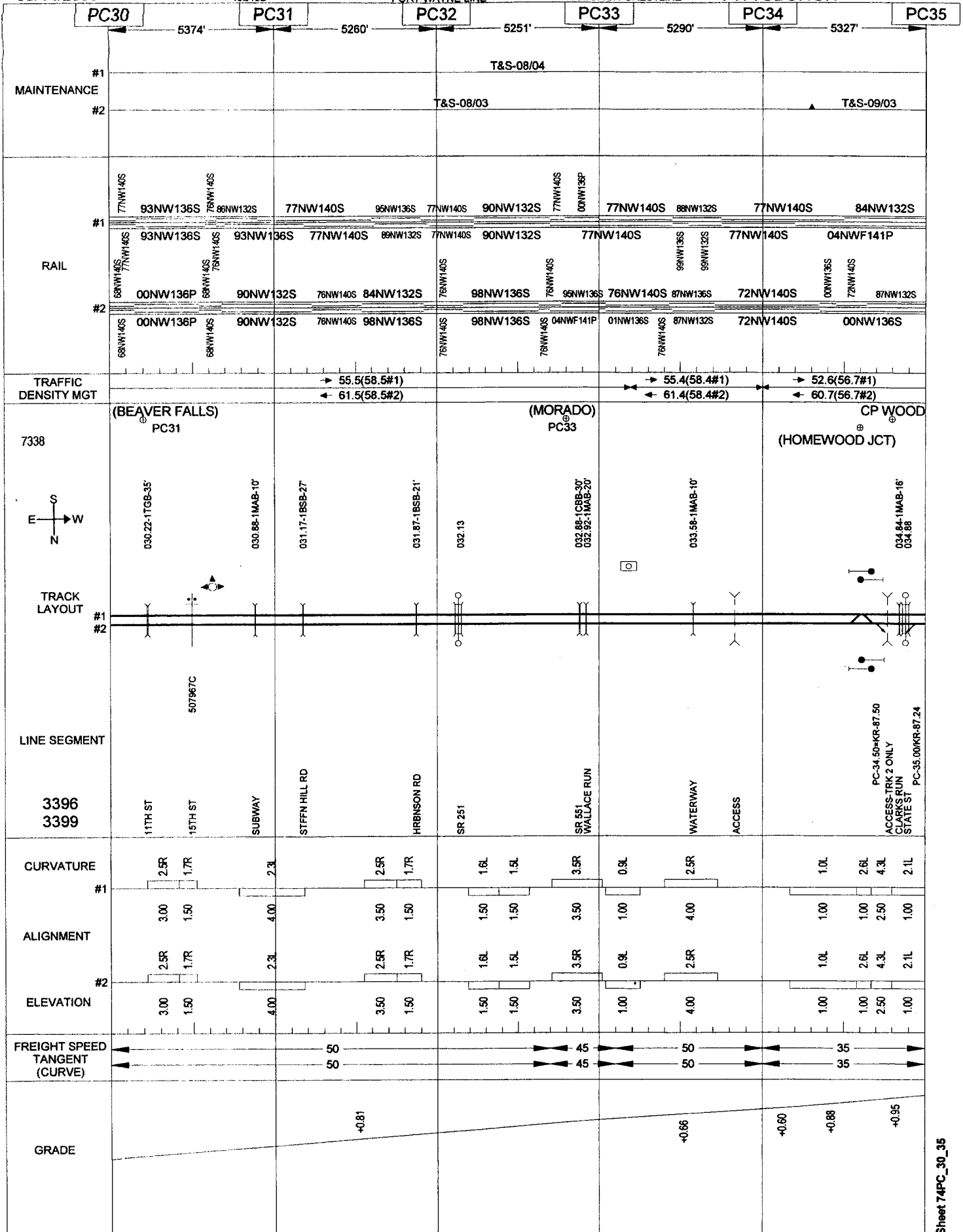
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059

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



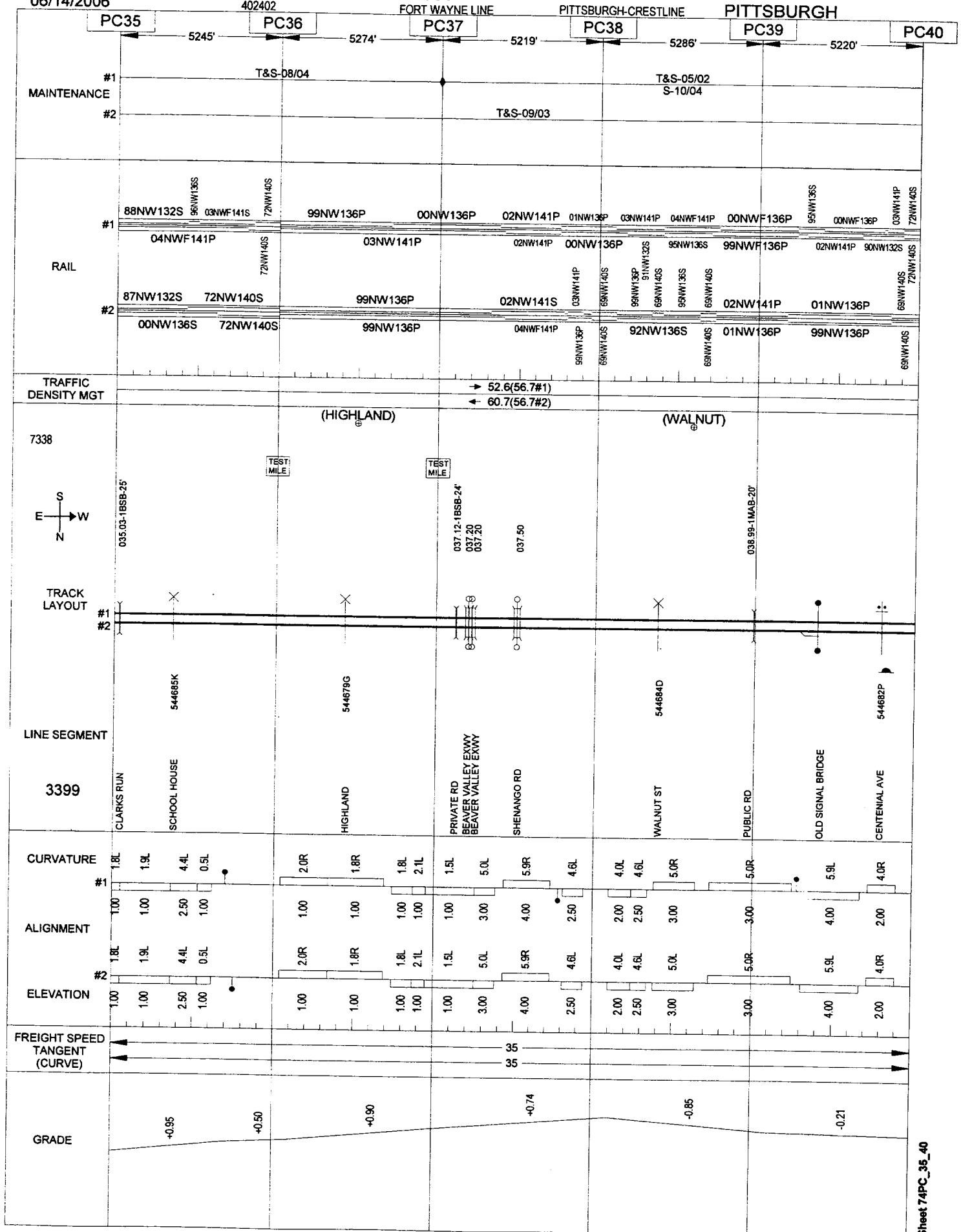
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

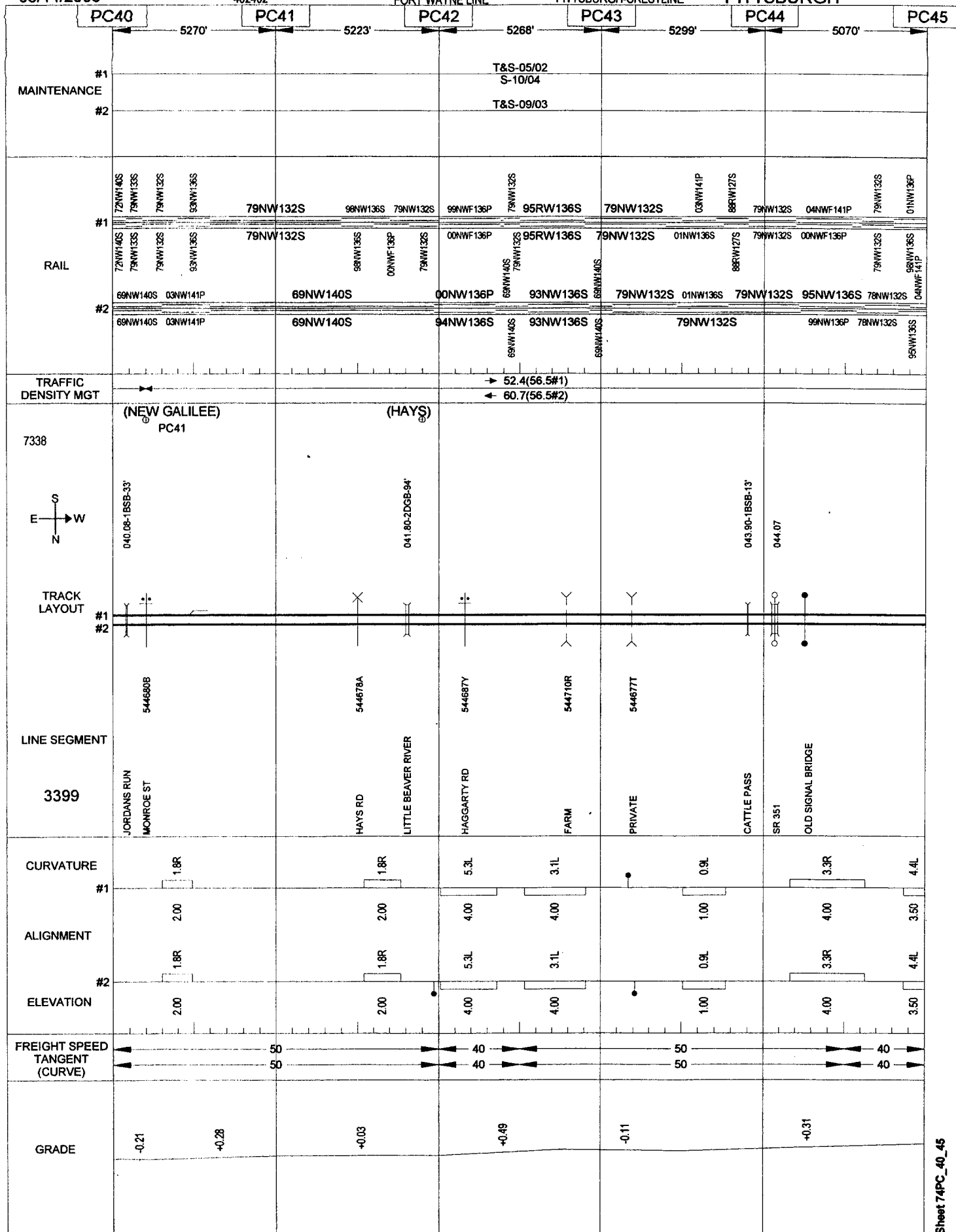
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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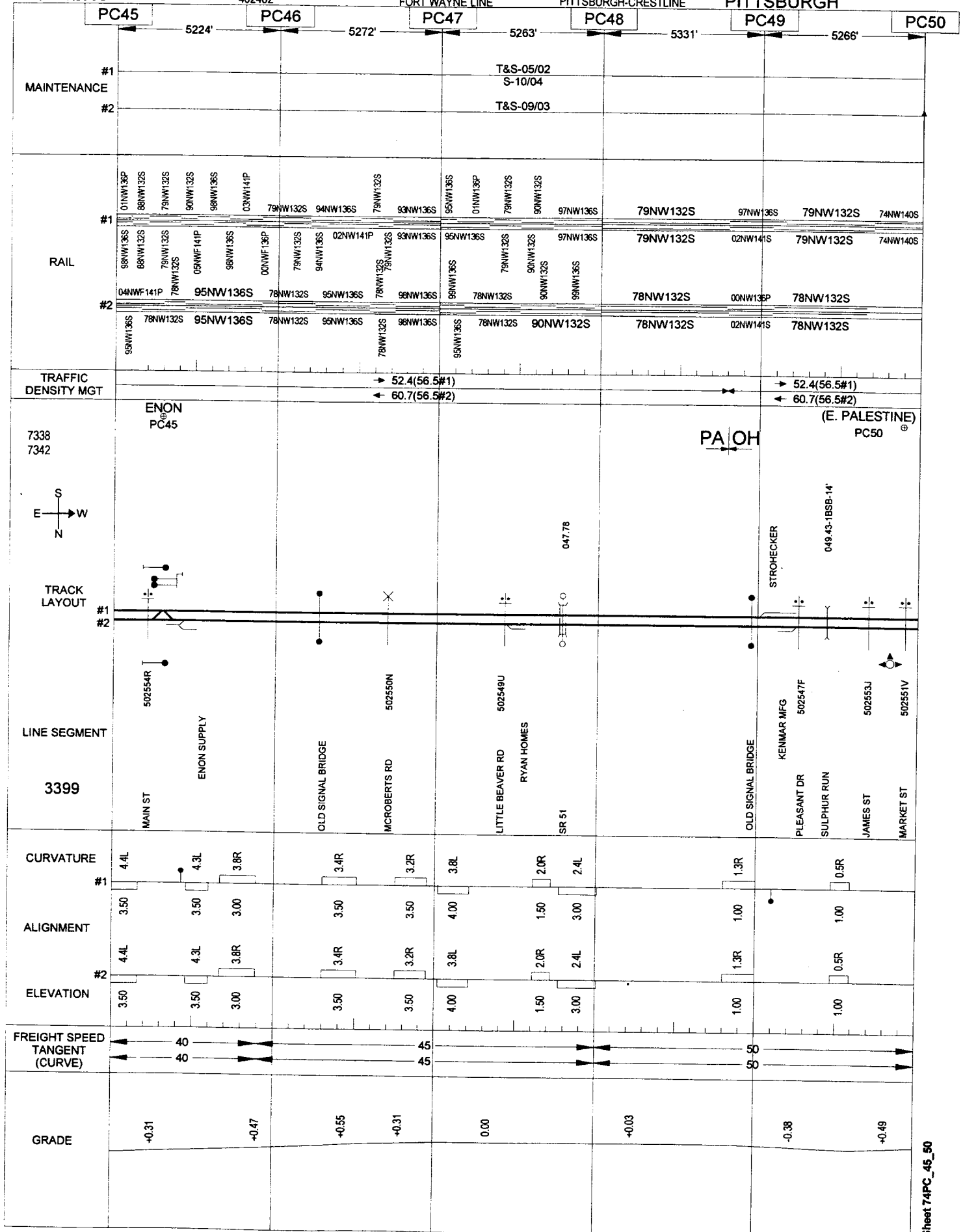
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH





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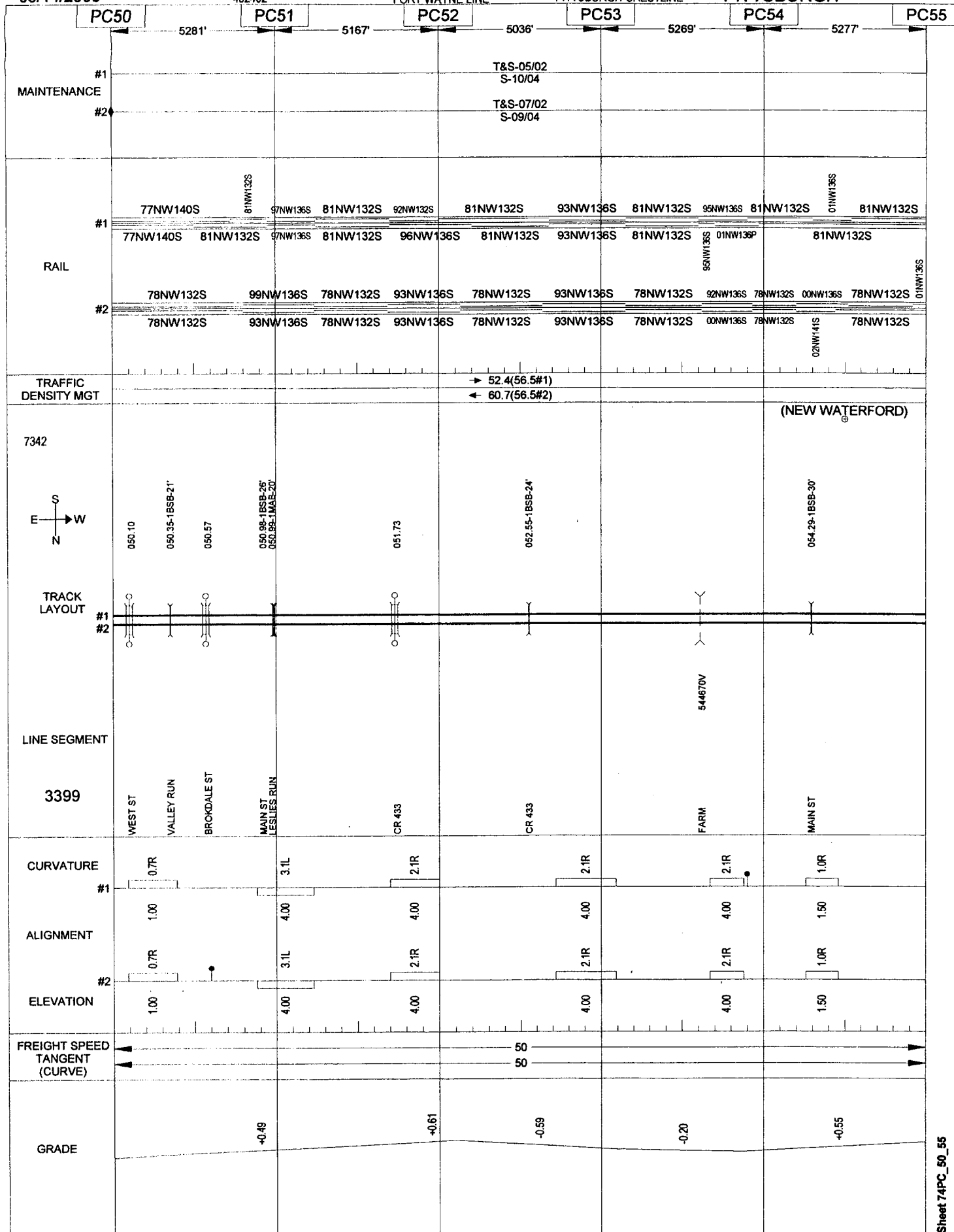
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063

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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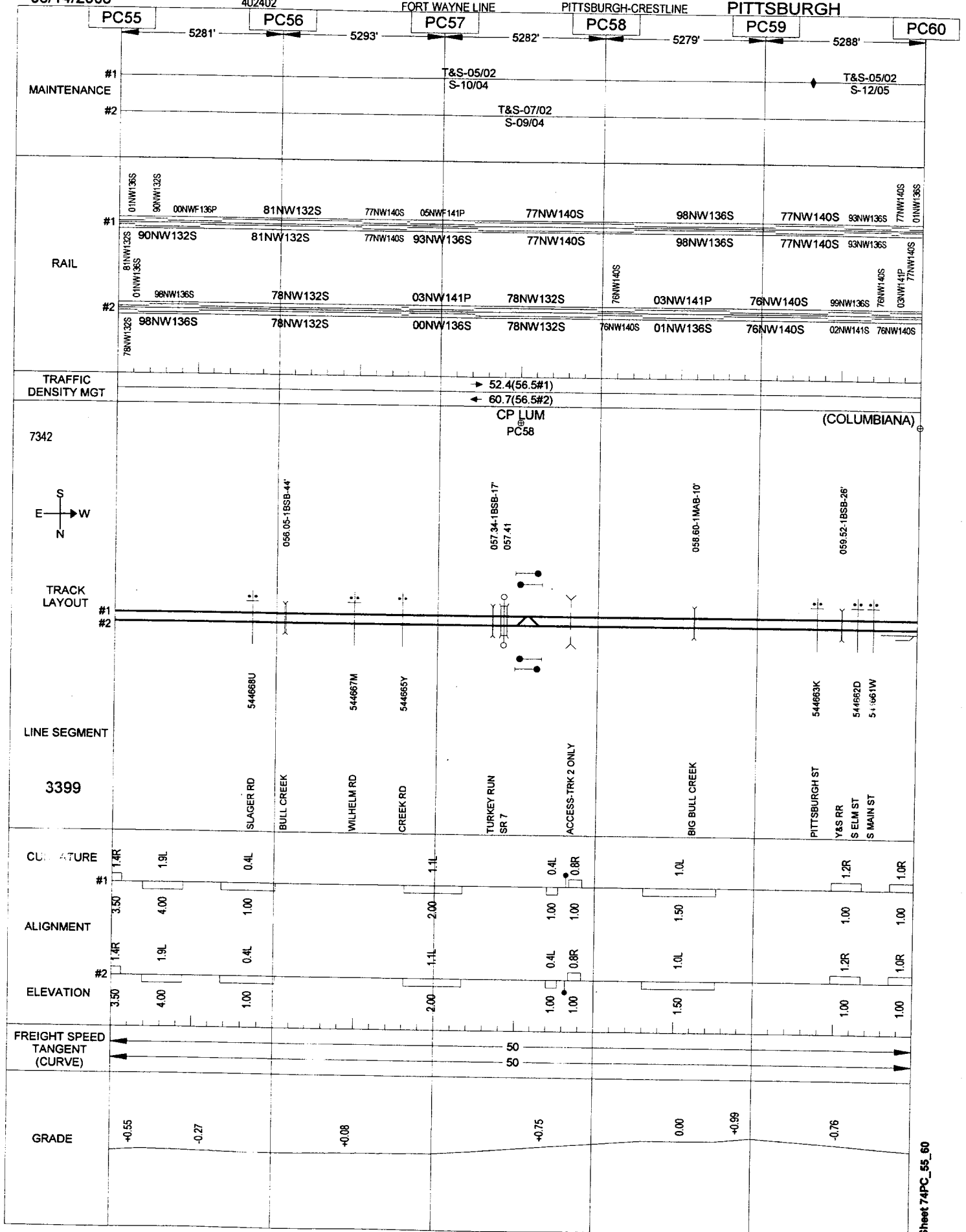
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



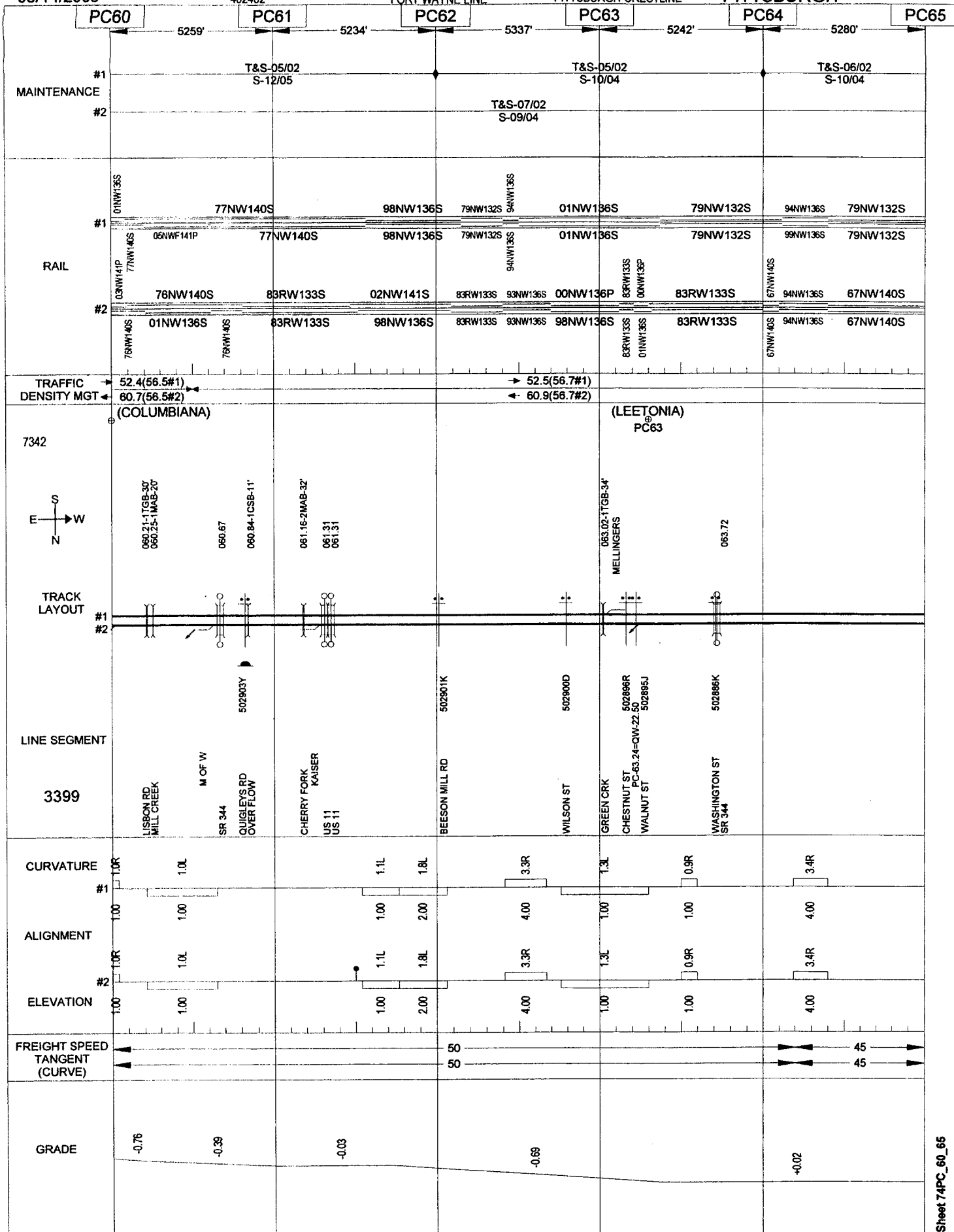
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



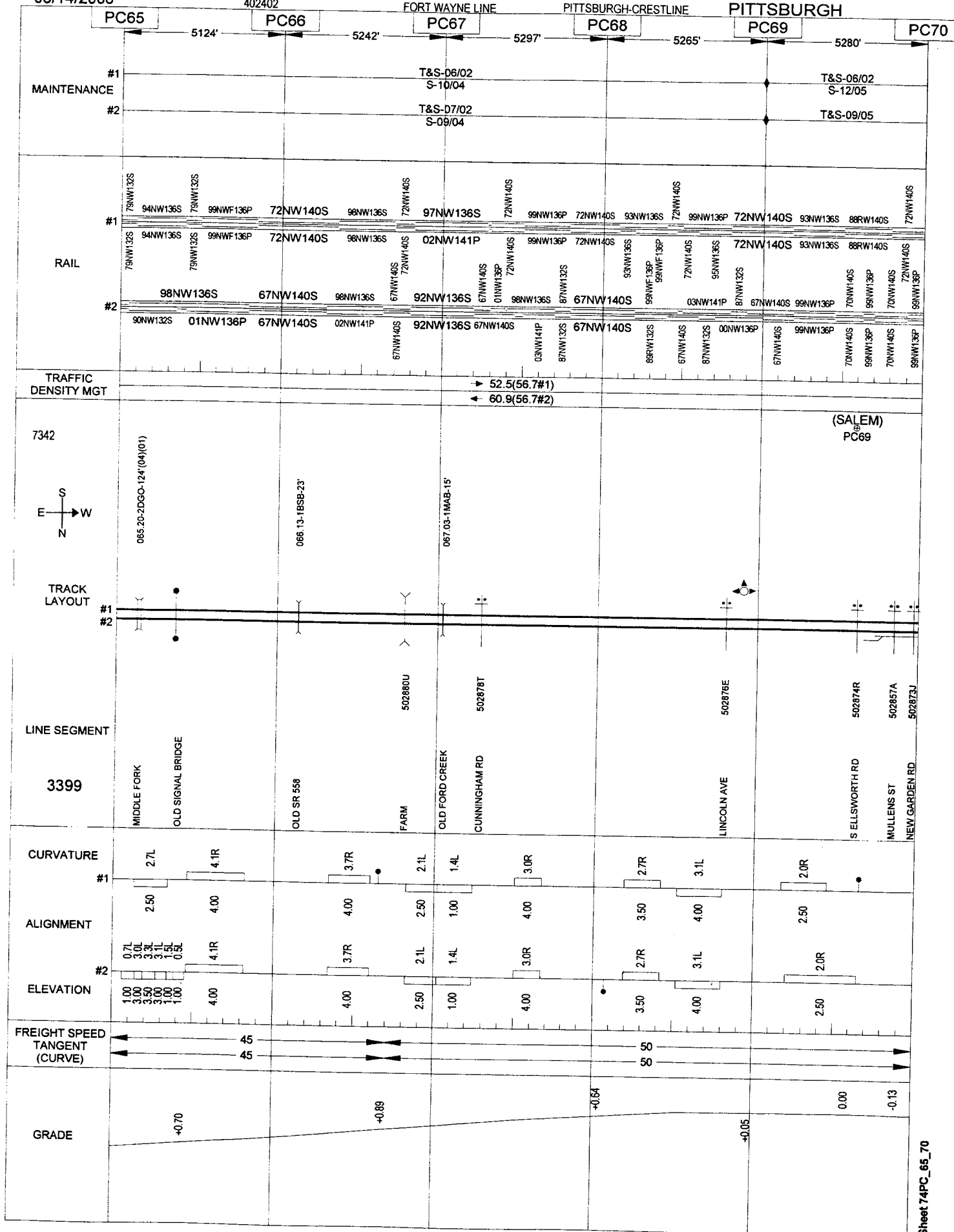
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

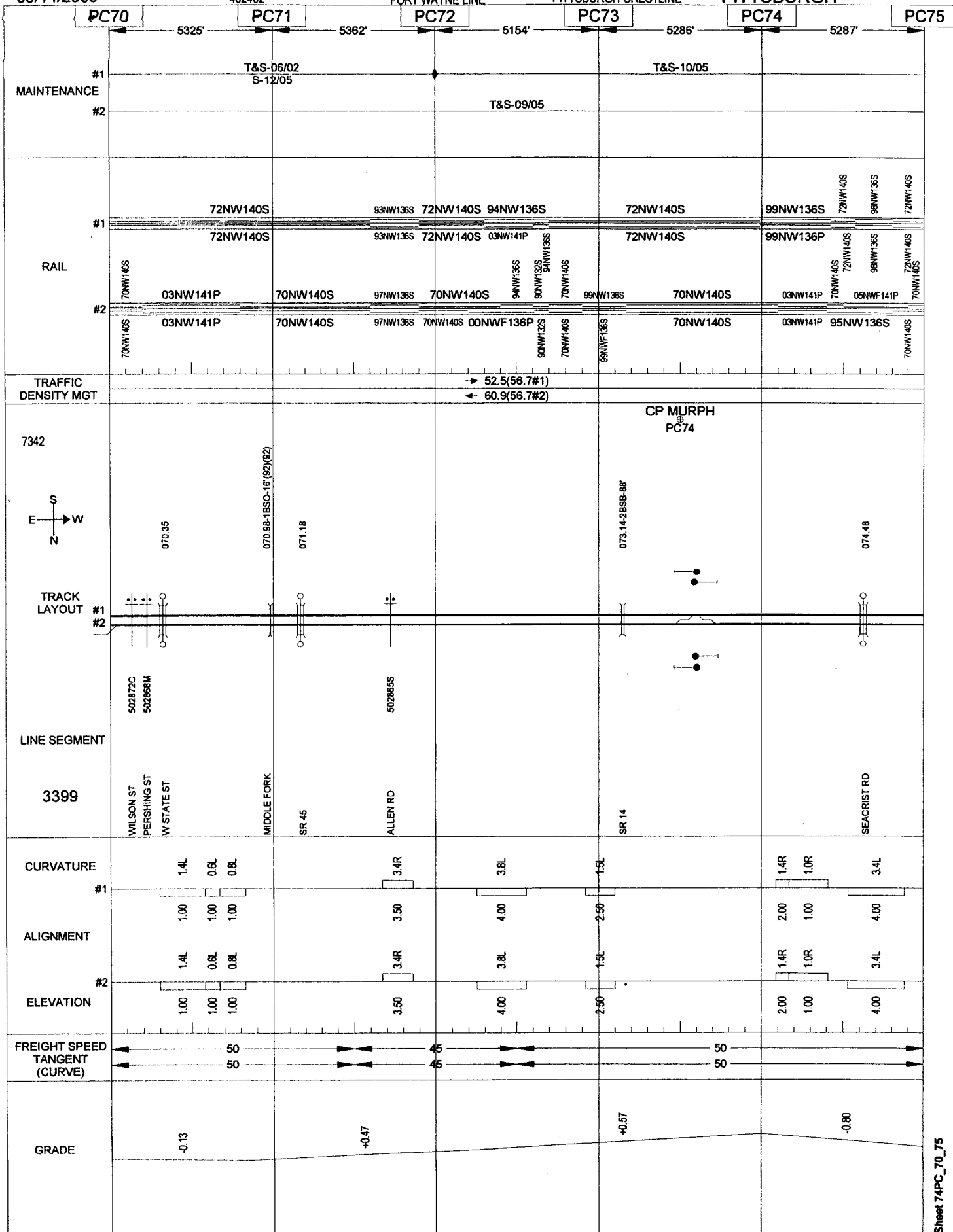
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067

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



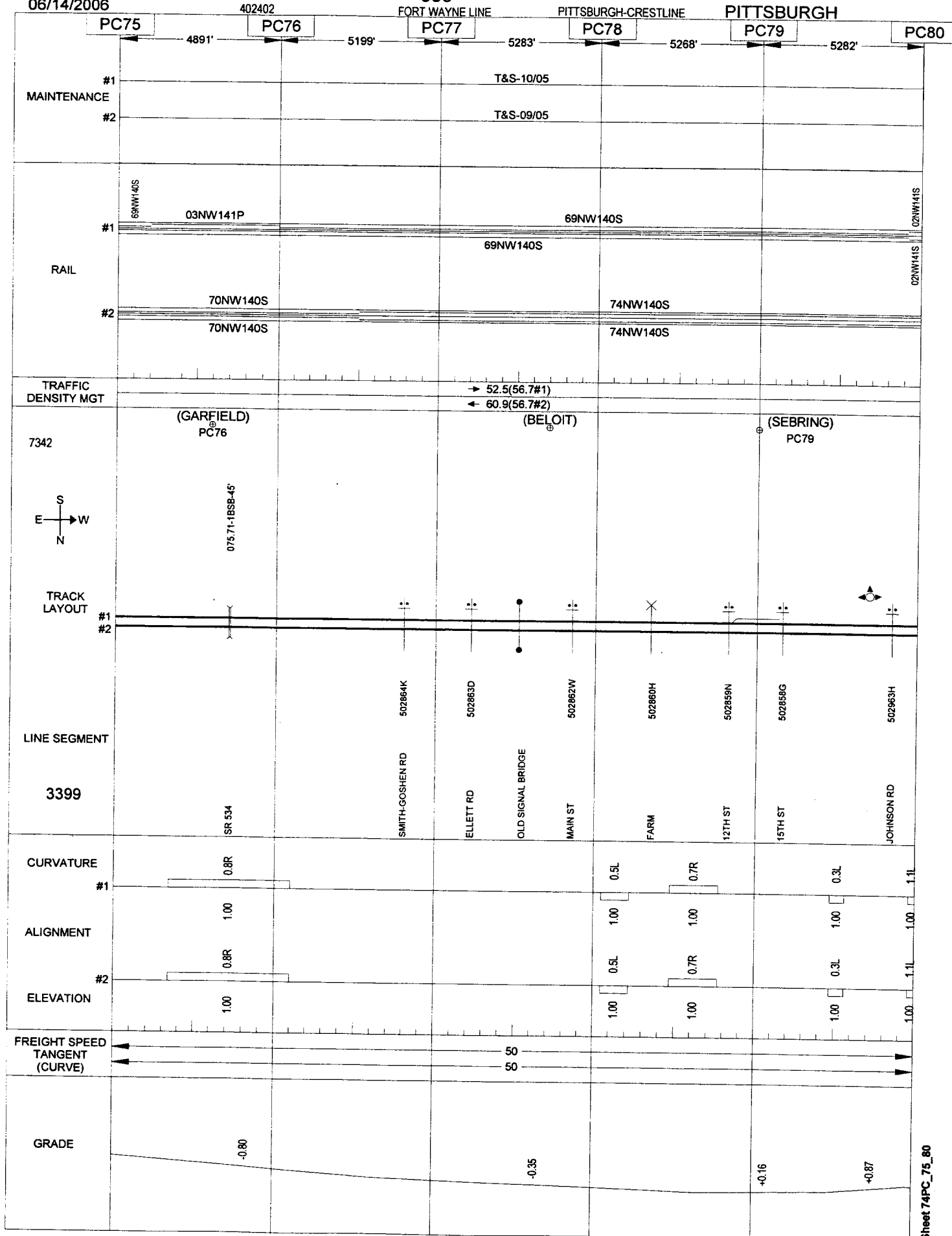
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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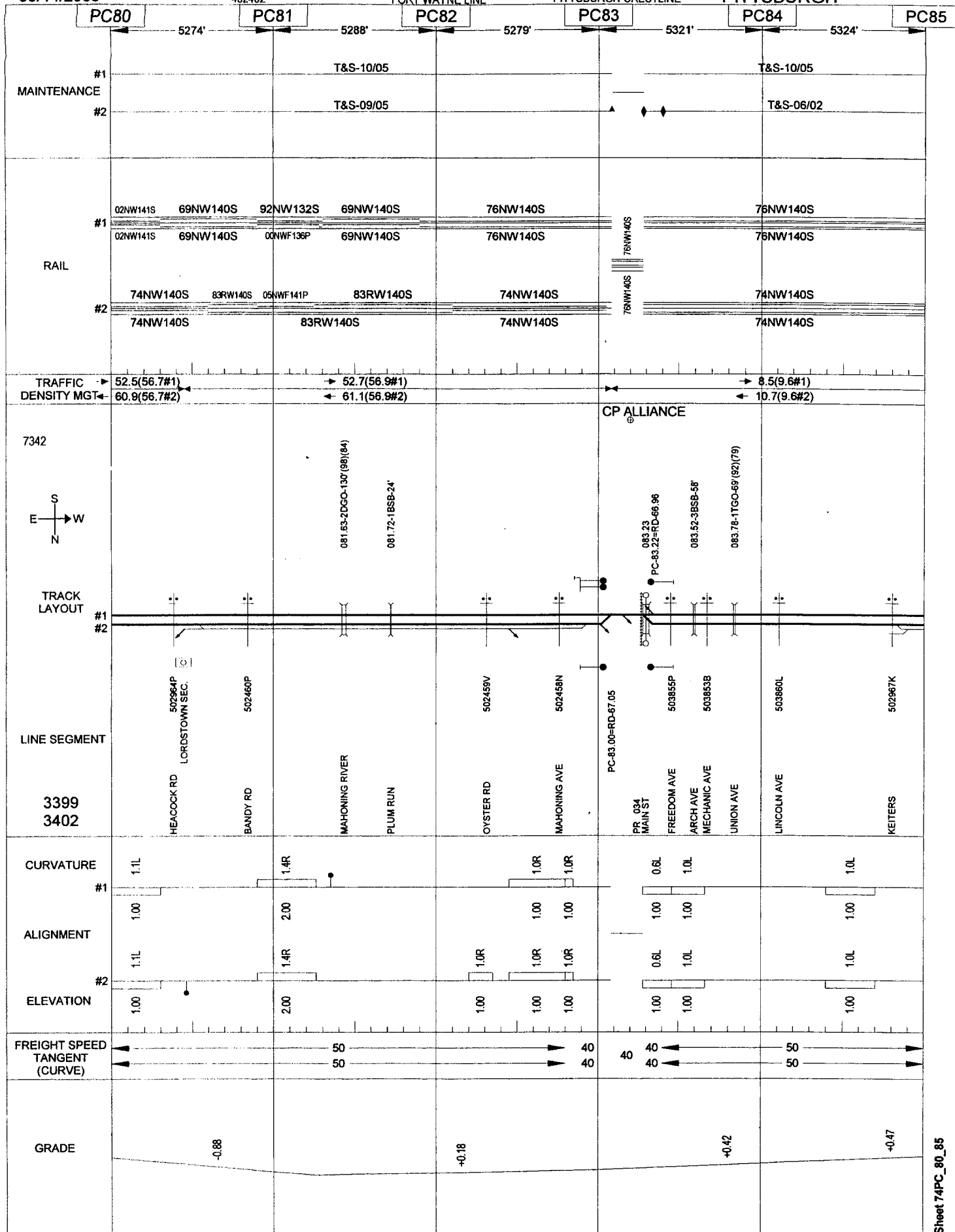
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



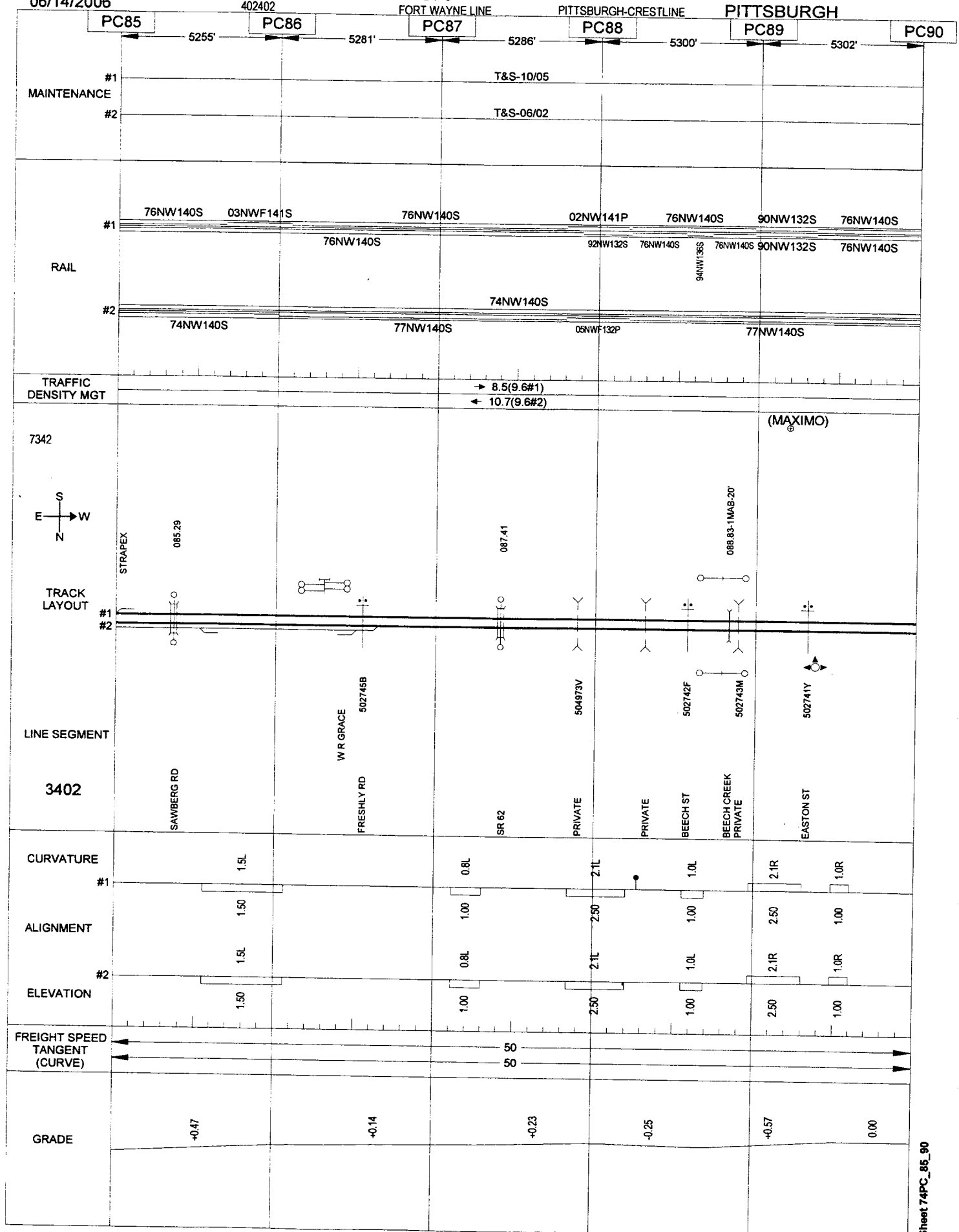
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH





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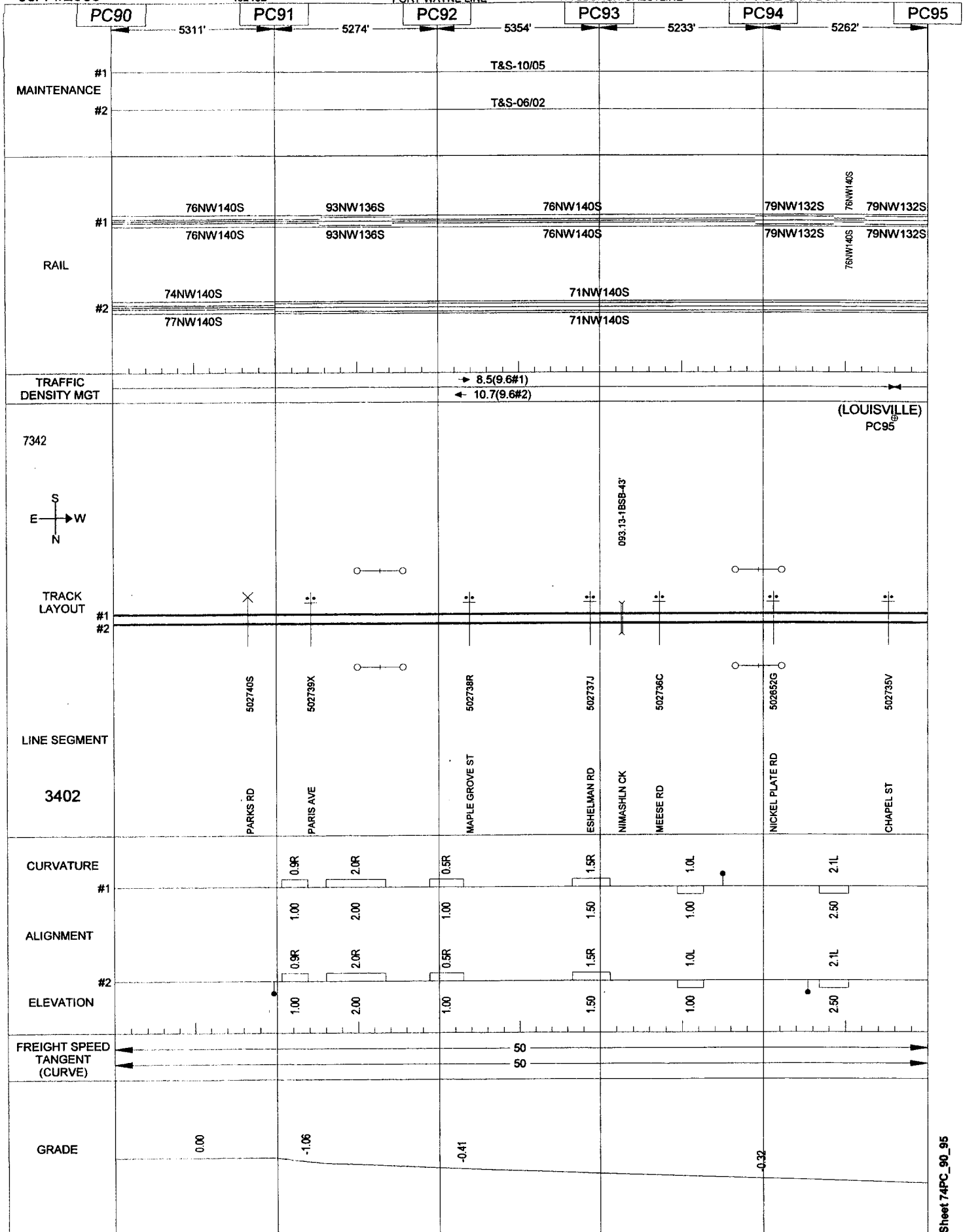
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071

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

402402

072

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

PC95 5320' PC96 5244' PC97 5353' PC98 5288' PC99 5280' PC100

MAINTENANCE  
#1  
#2

T&S-10/05

T&S-12/05

T&S-06/02

RAIL

#1  
#2

79NW132S  
79NW132S  
99NW136S  
99NW136S

79NW132S  
79NW132S

71NW140S  
71NW140S

79NW132S  
79NW132S

83RW133S  
83RW133S

83RW132S  
83RW132S

TRAFFIC  
DENSITY MGT

7.7(8.8#1)  
9.9(8.8#2)

5.9(7.2#1)  
8.4(7.2#2)

7342

CP FAIRHOPE

CANTON YD

S  
E  
N  
W

TRACK  
LAYOUT  
#1  
#2

095.10-2BSB-62'  
095.80-1BSB-13'  
PC-96.00-XP-69.00

095.80-1BSB-13'

PC-96.00-XP-69.00

097.86-1BSB-17'

098.49-1BSB-19'

098.78

099.50-3BSB-90'

099.81-1BSB-34'

LINE SEGMENT

3402

NIMASHN CREEK  
MAIN ST  
J&L STEEL  
KLEIN CREEK  
BECK RD  
BROADWAY  
CANTON YARD  
NIMSHILLEN  
GEORGIA PACIFIC  
OVERFLOW  
TRUMP RD  
NIMSHILN CK  
OVERFLOW

CURVATURE

#1

2.2R

1.0R

1.2L

1.1L

ALIGNMENT

#2

2.50

1.00

1.00

1.00

ELEVATION

#2

2.50

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

50  
50

GRADE

-0.09

-0.28

Sheet 74PC\_95\_100

06/14/2006

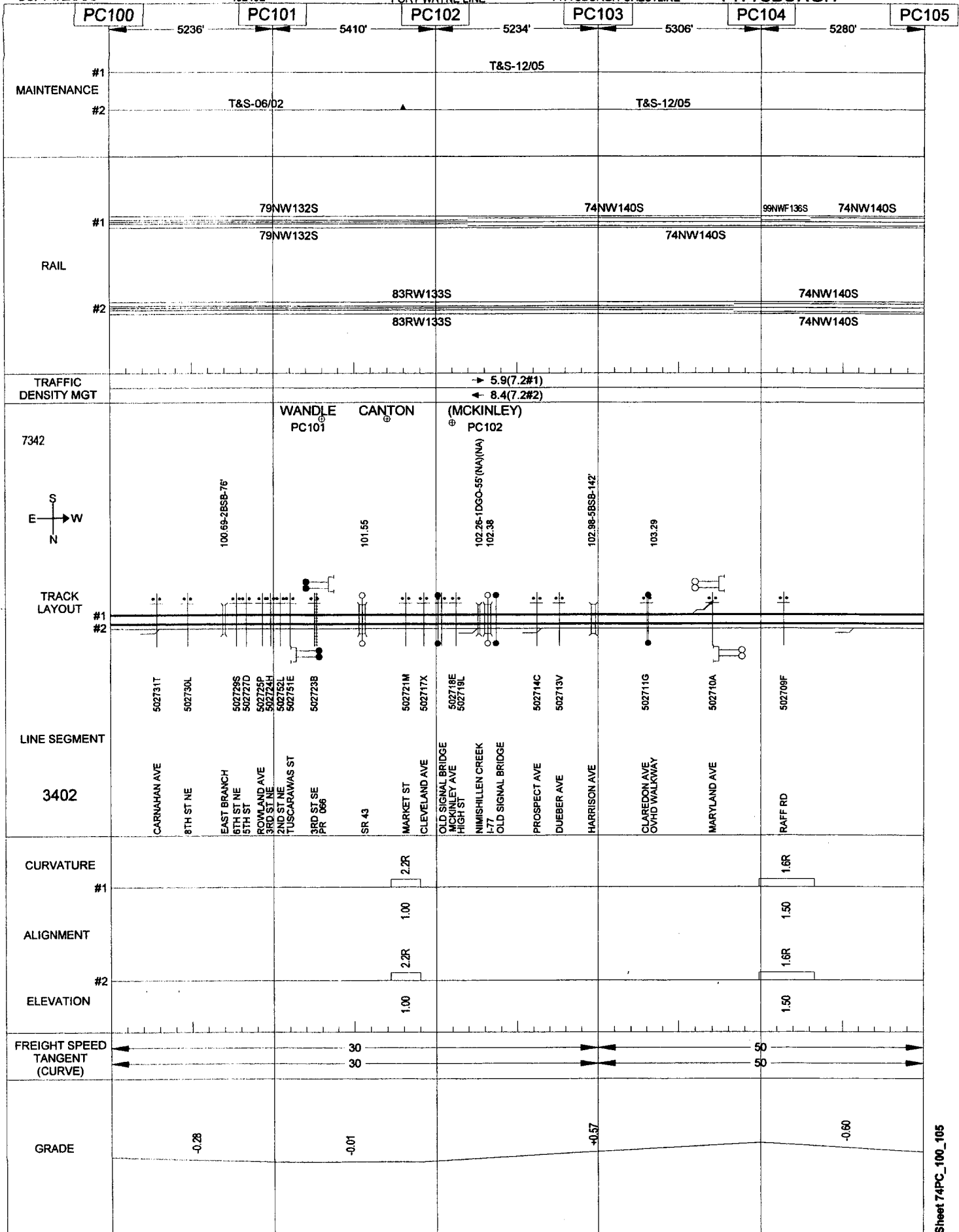
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



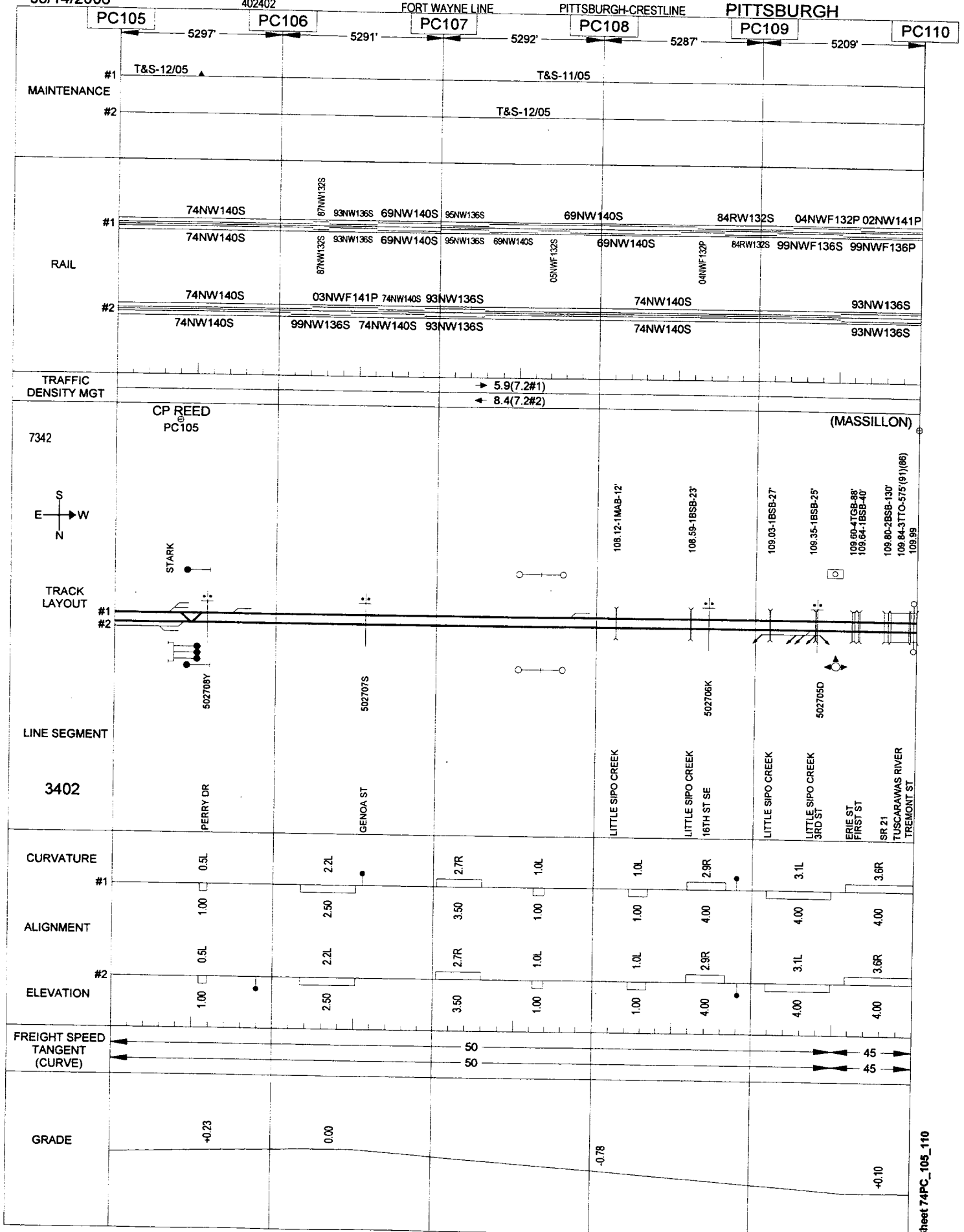
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



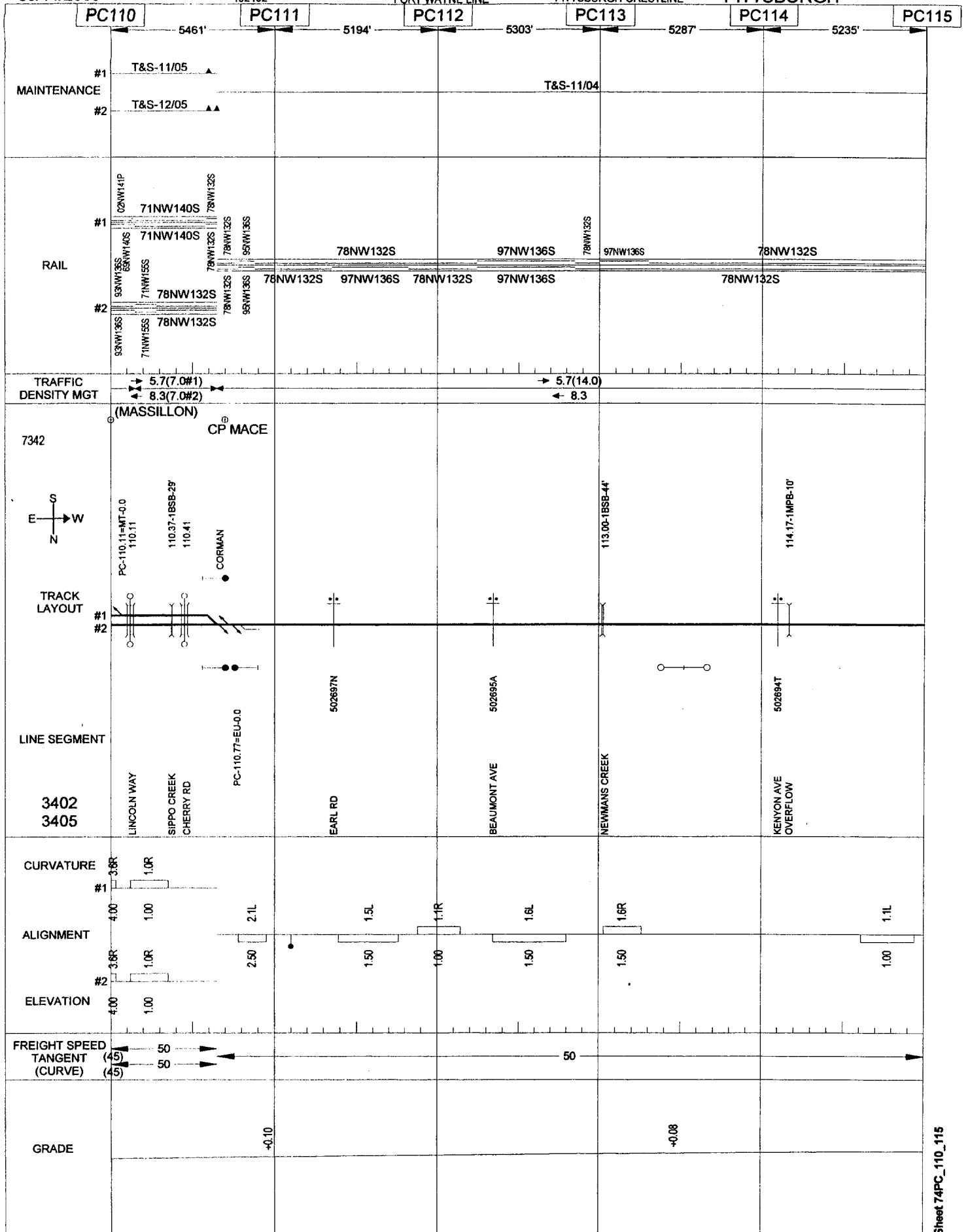
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075  
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PITTSBURGH-CRESTLINE

PITTSBURGH



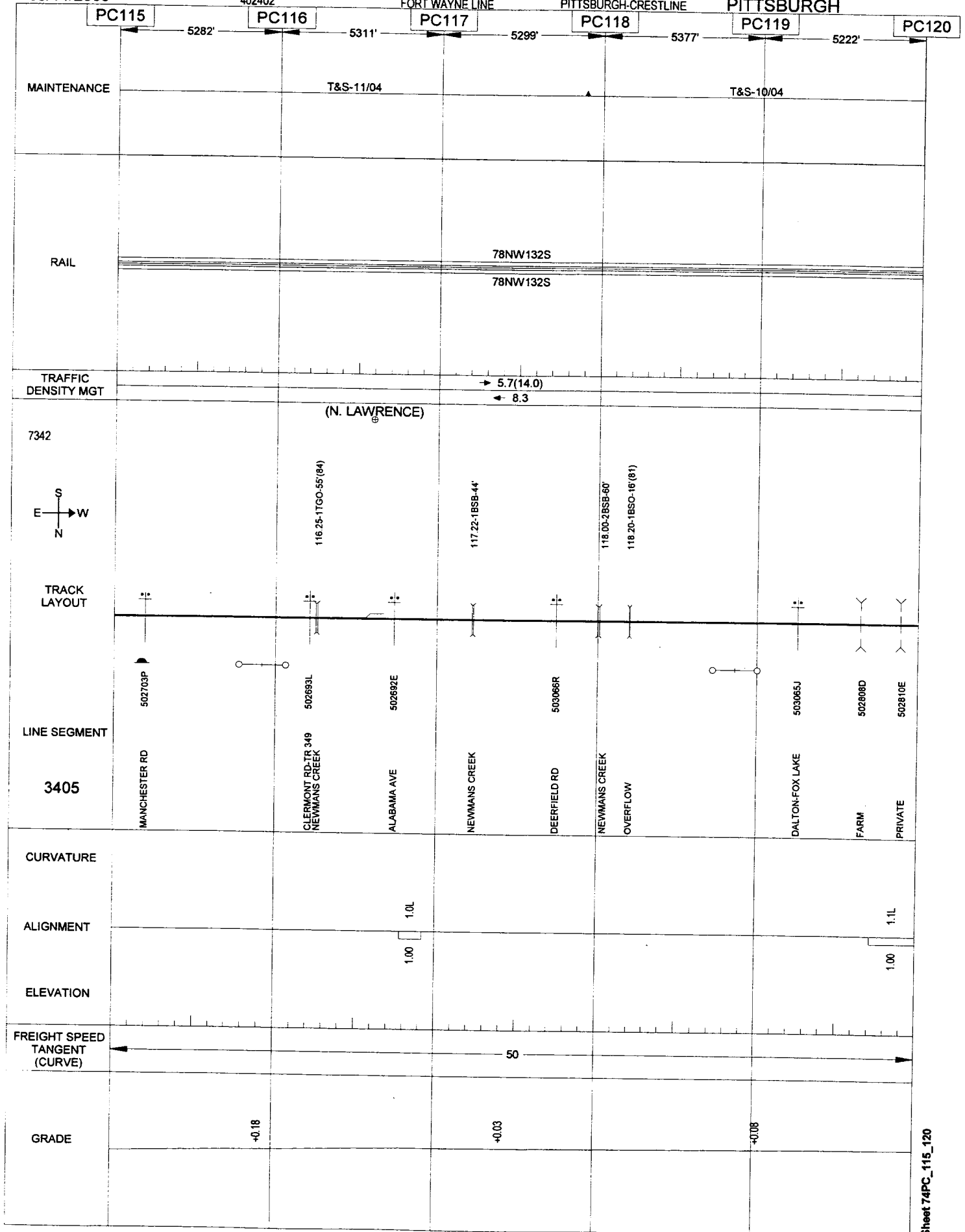
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FORT WAYNE LINE

PITTSBURGH CRESTLINE

PITTSBURGH



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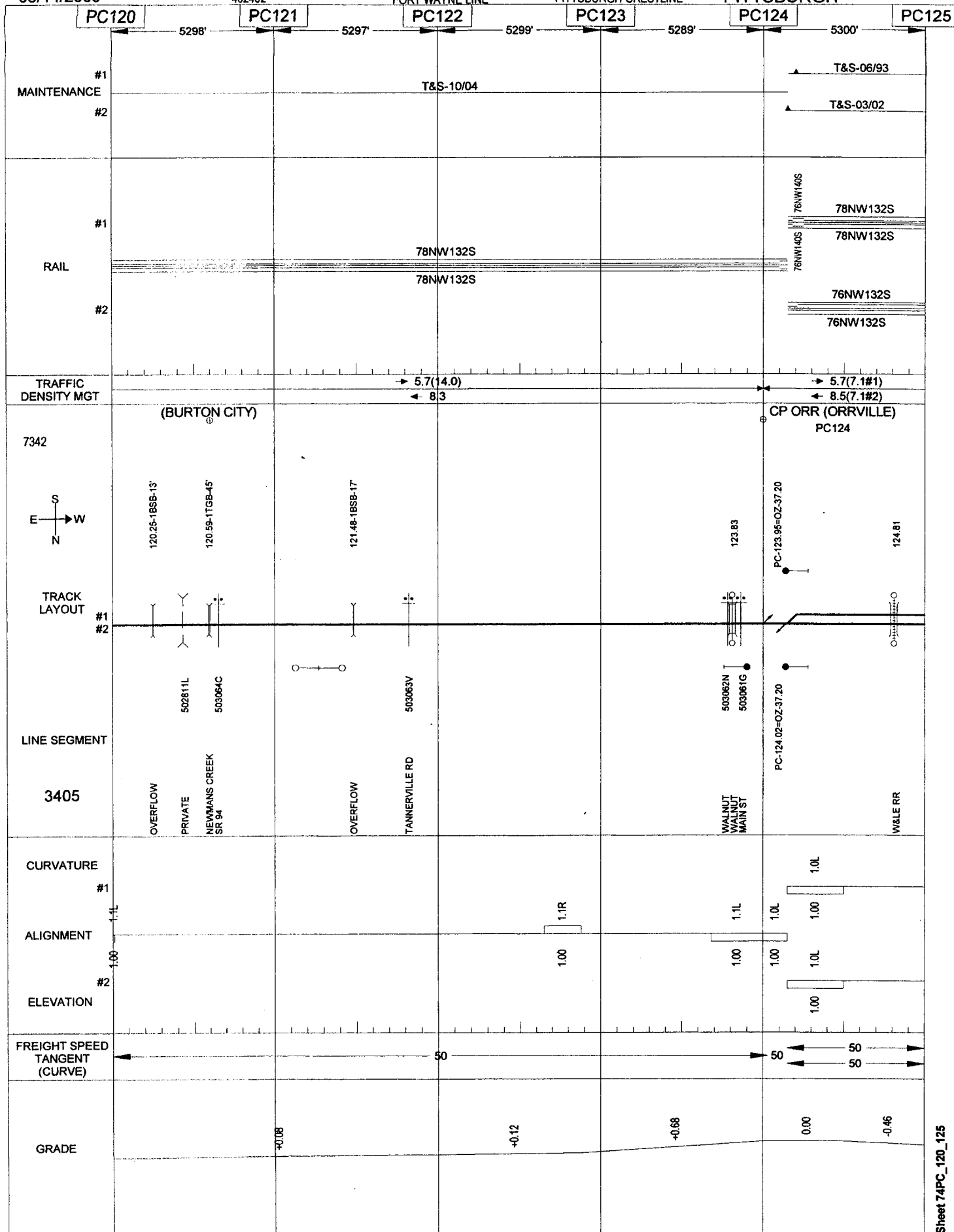
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PITTSBURGH-CRESTLINE

PITTSBURGH



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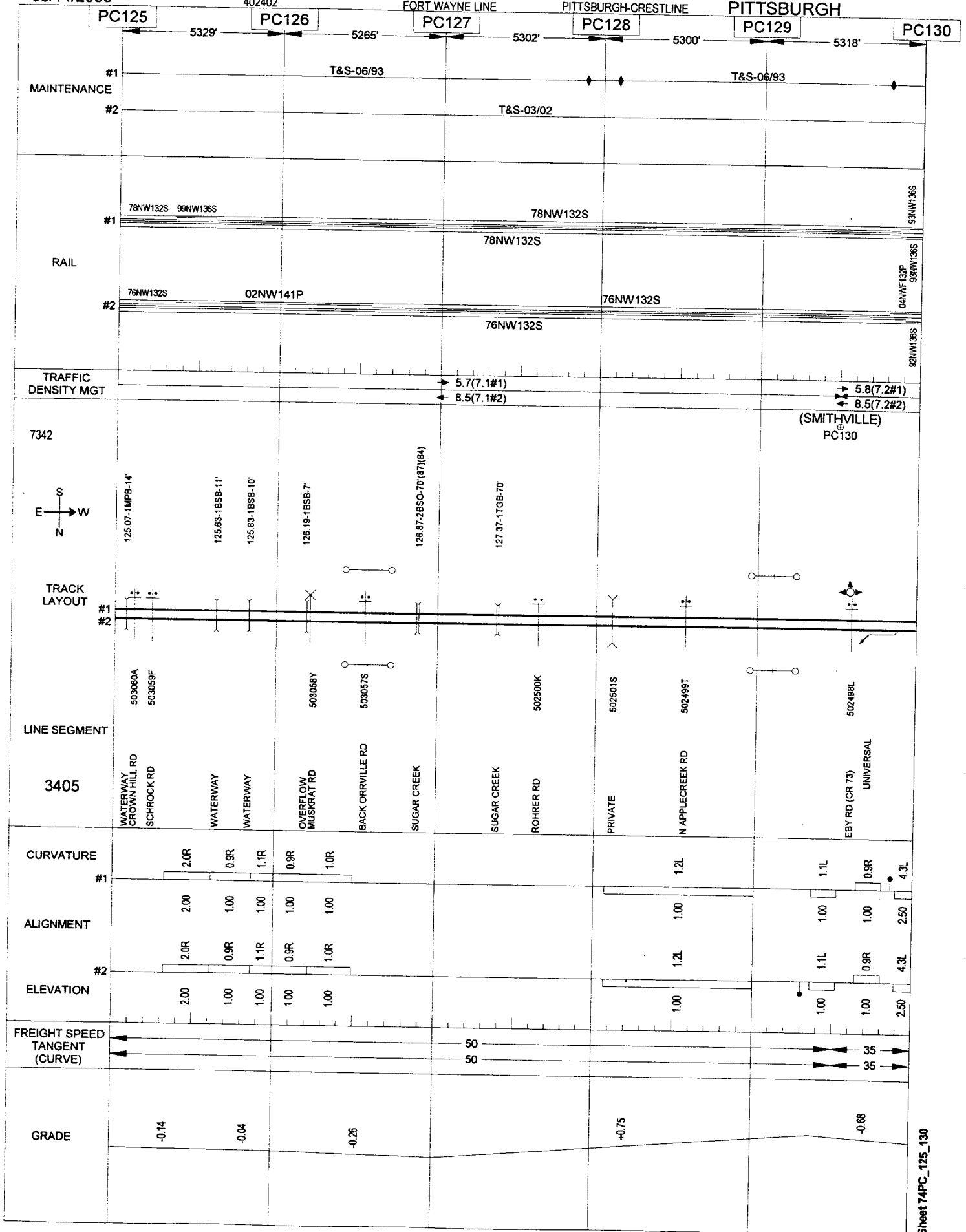
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH





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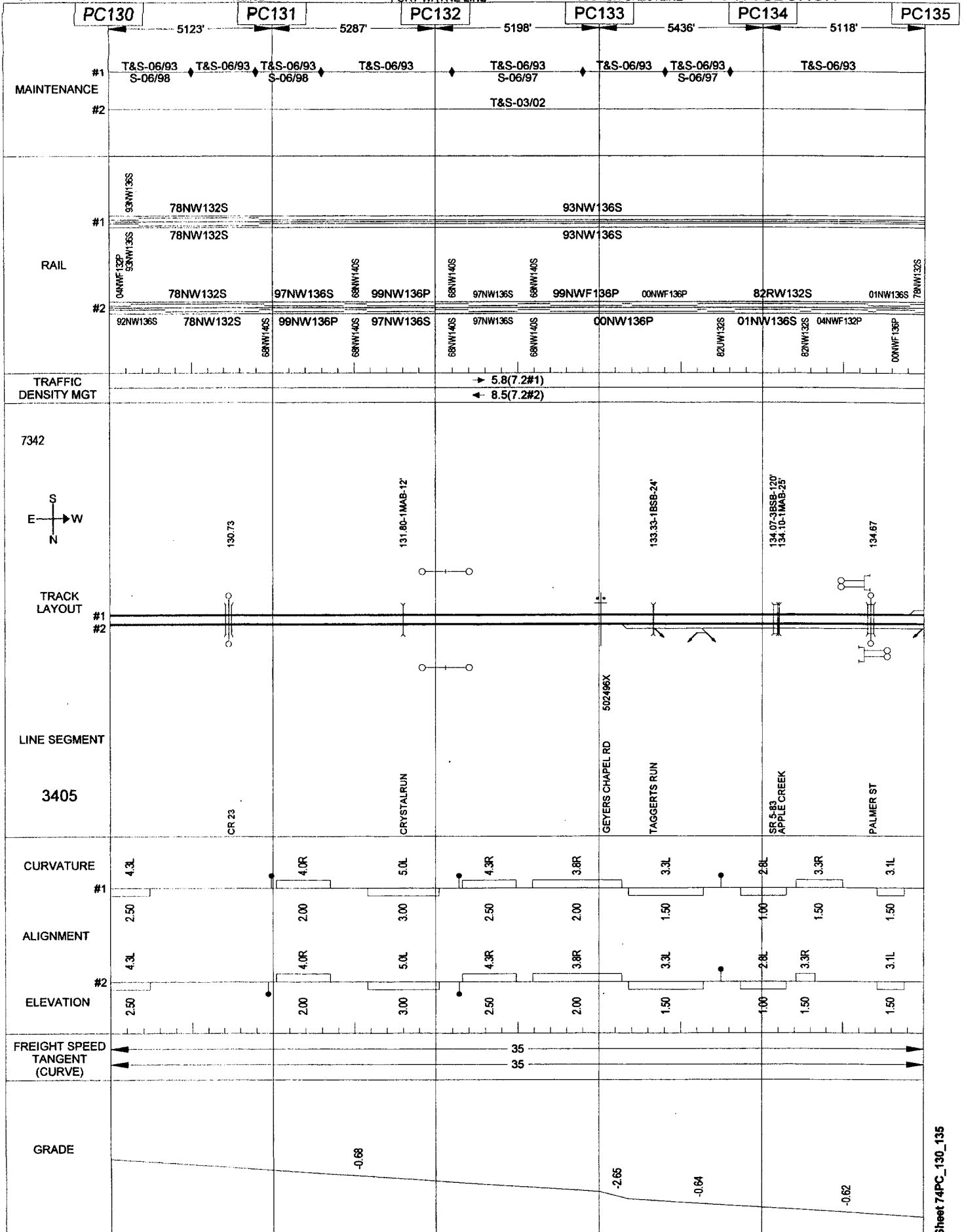
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PITTSBURGH-CRESTLINE

PITTSBURGH



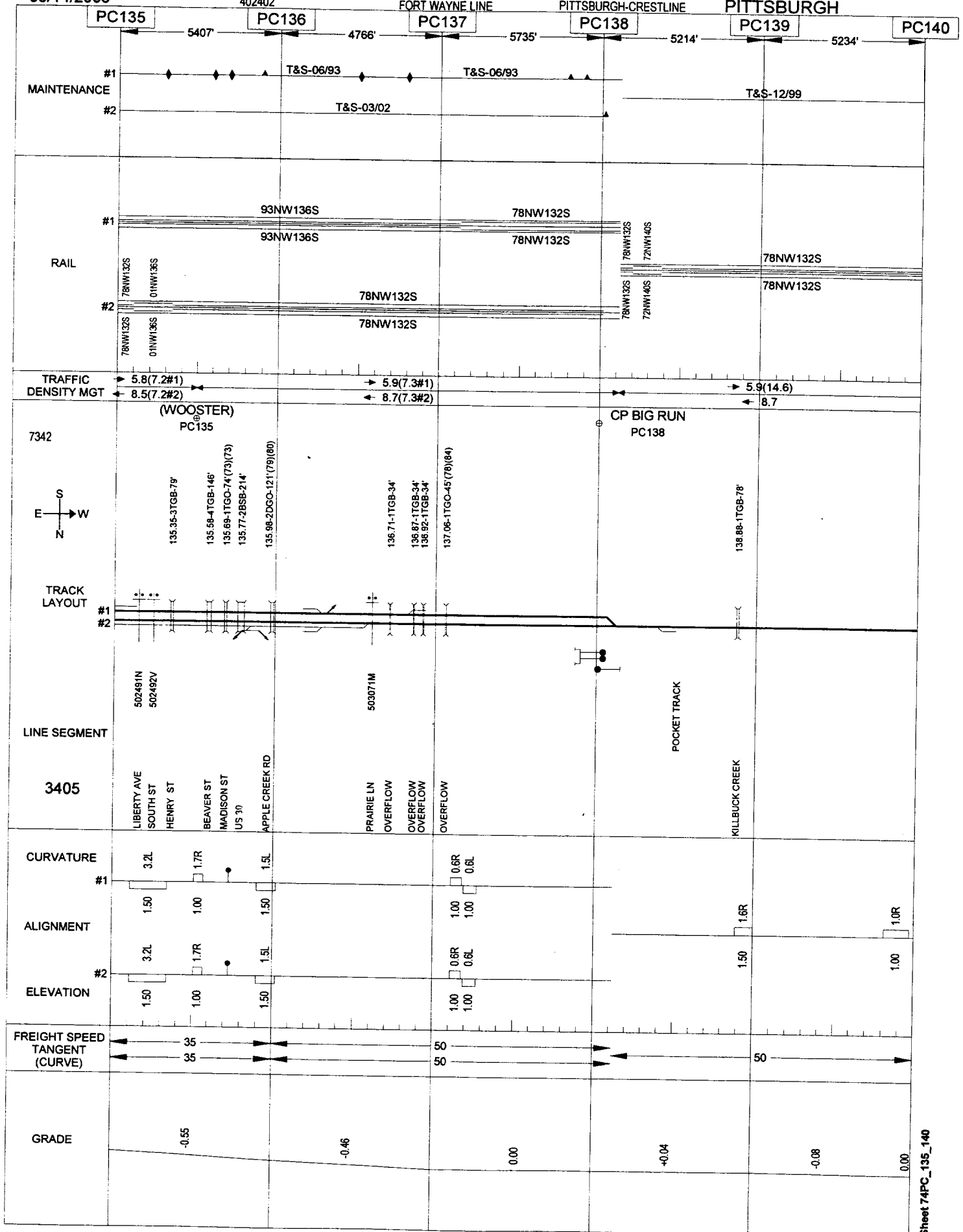
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

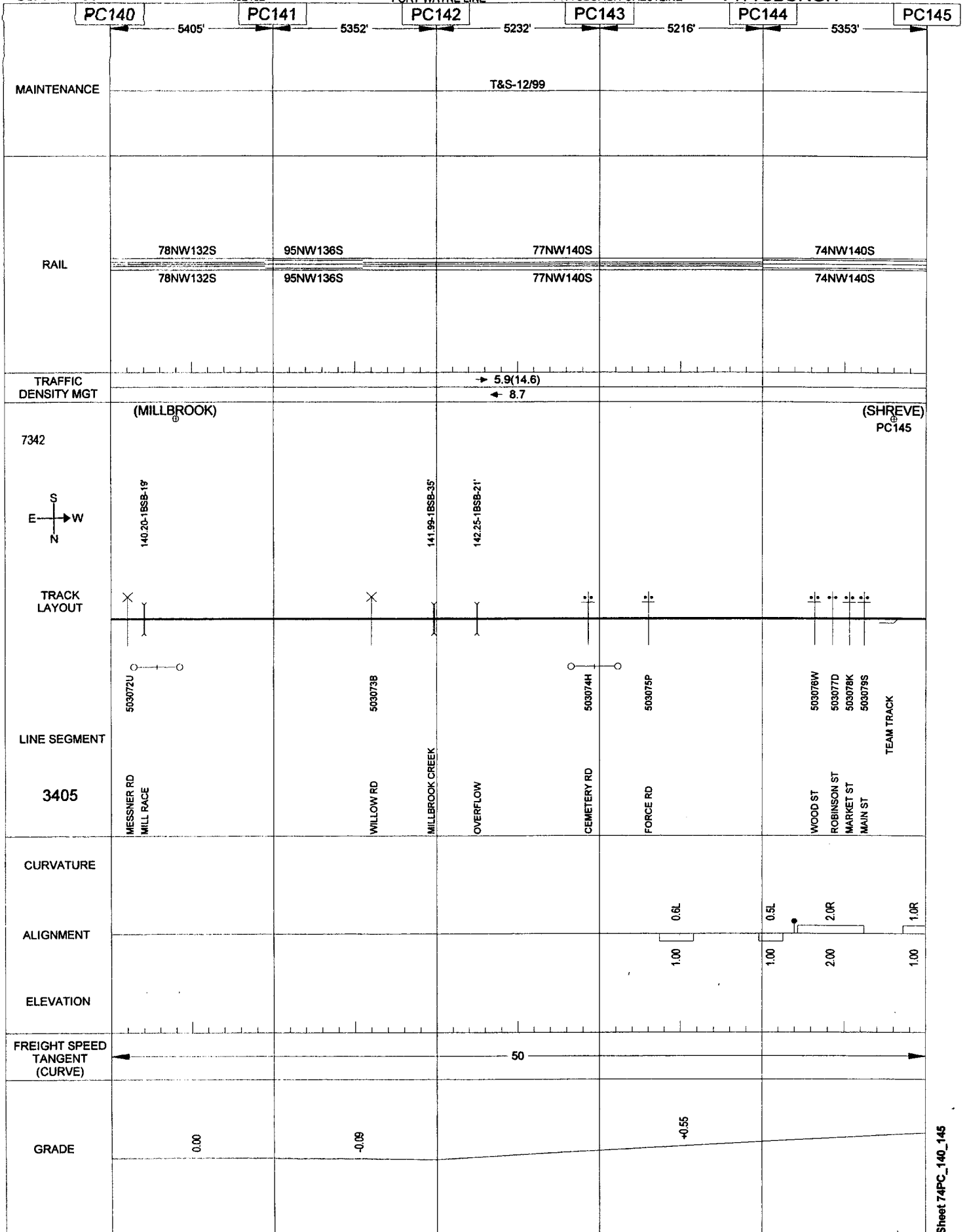
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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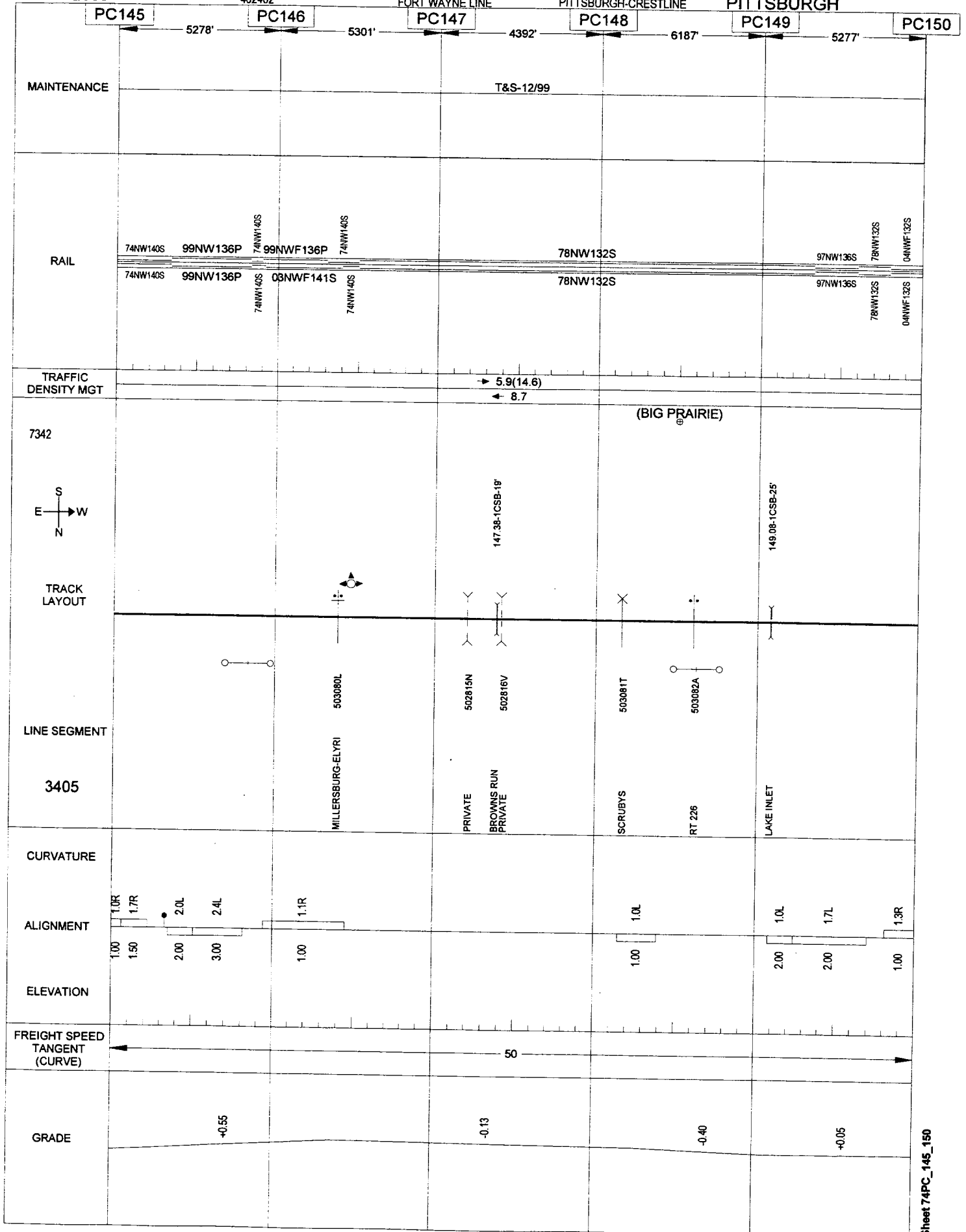
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082

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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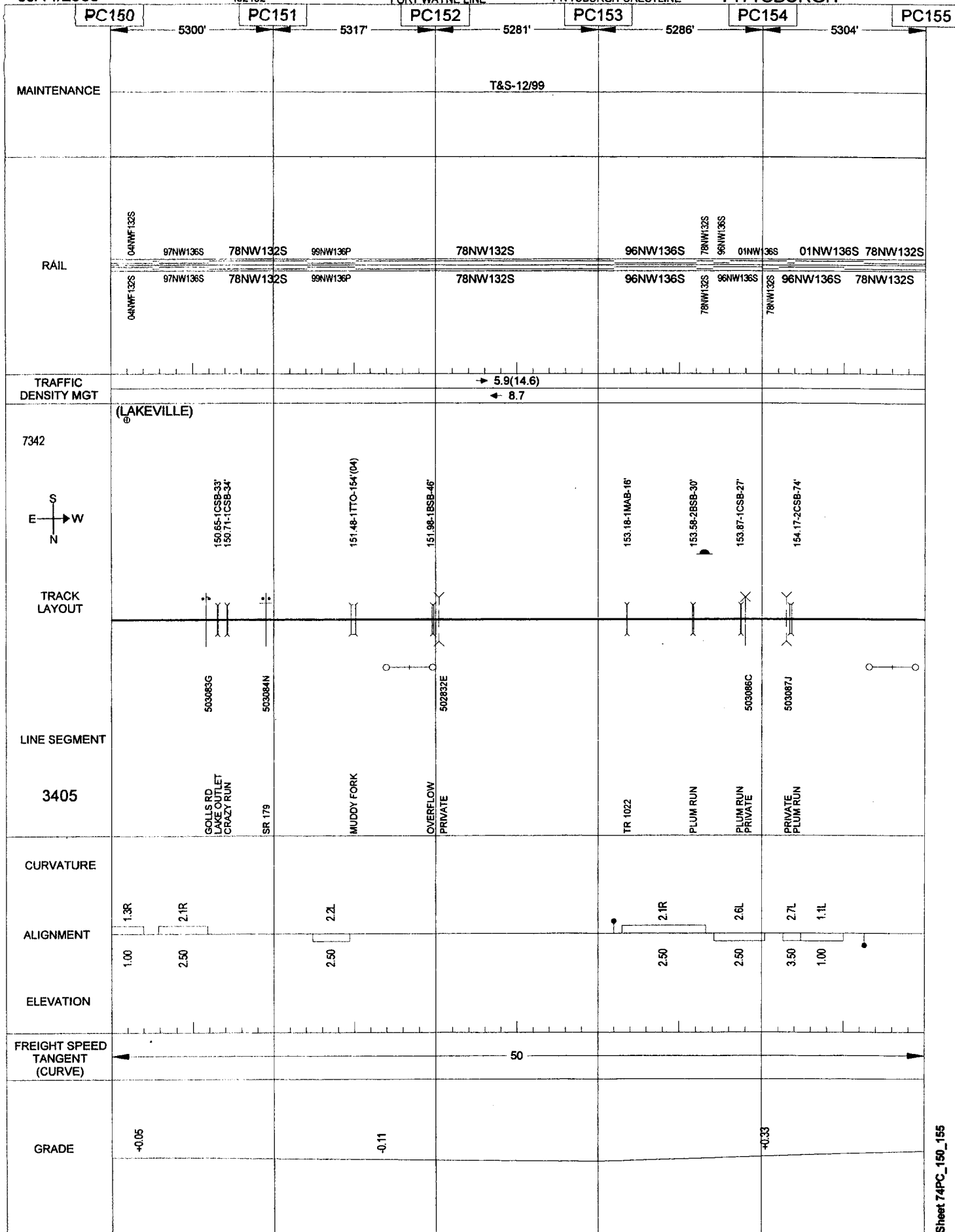
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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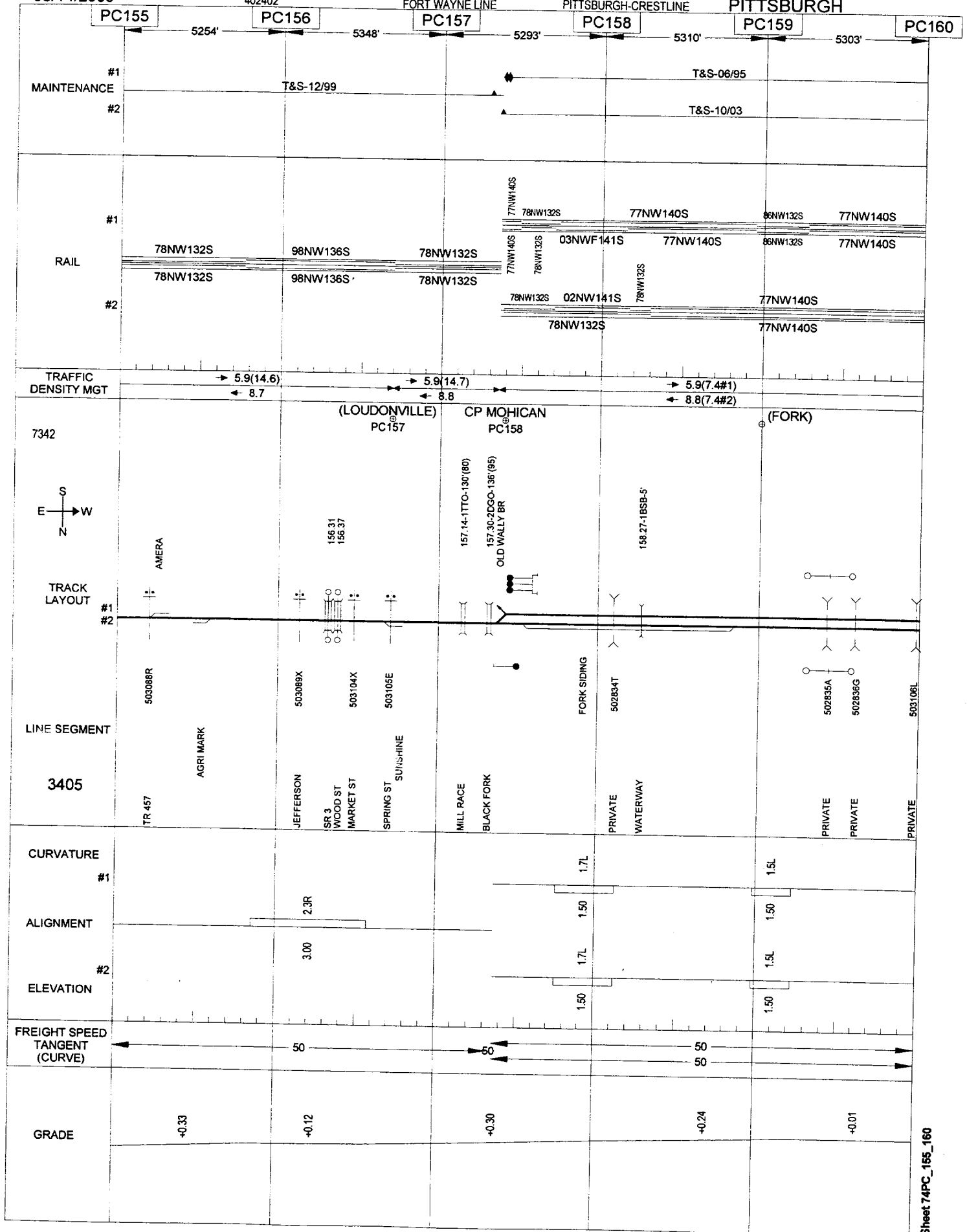
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402402

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



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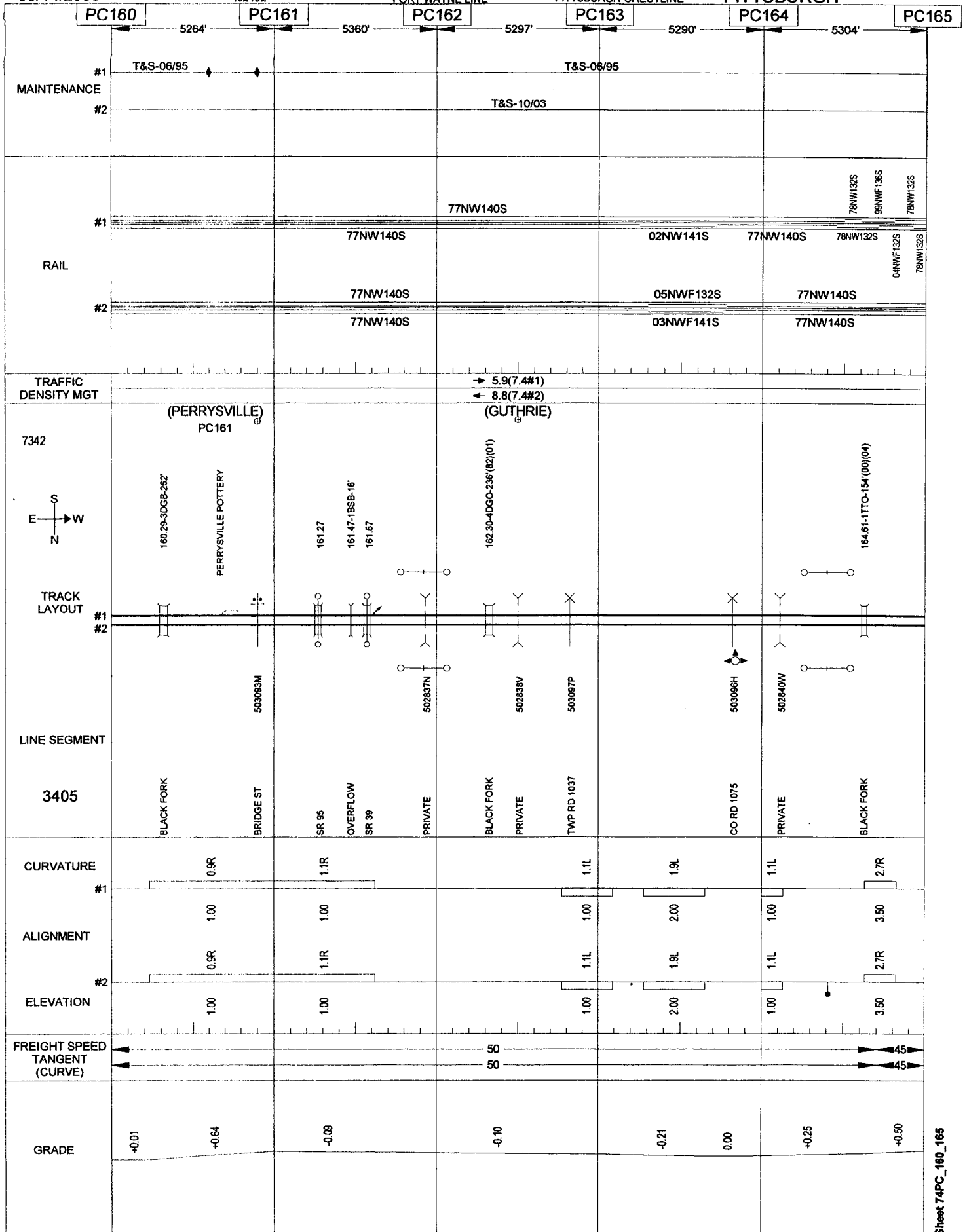
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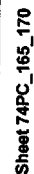
FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



## PITTSBURGH





06/14/2006

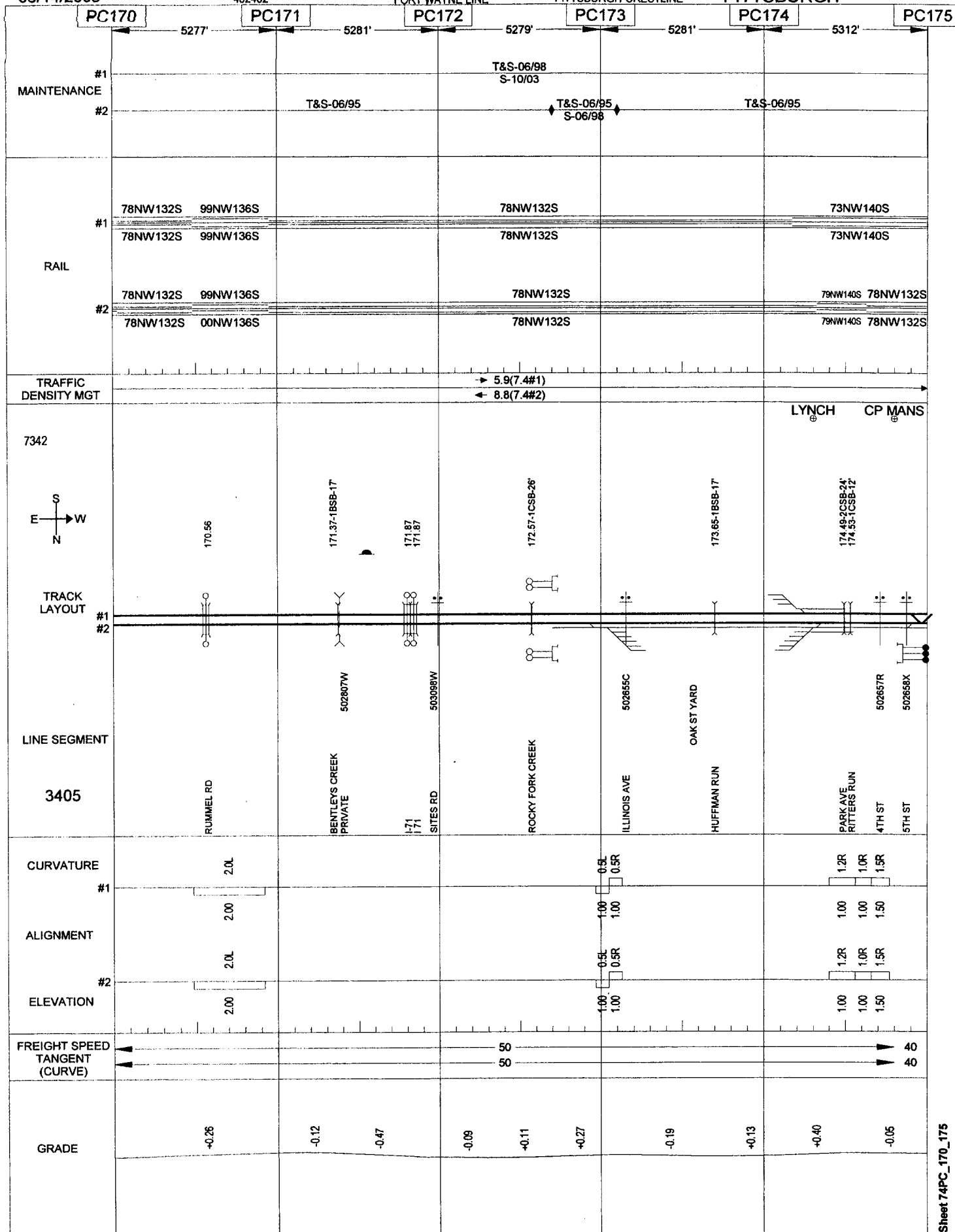
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087

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

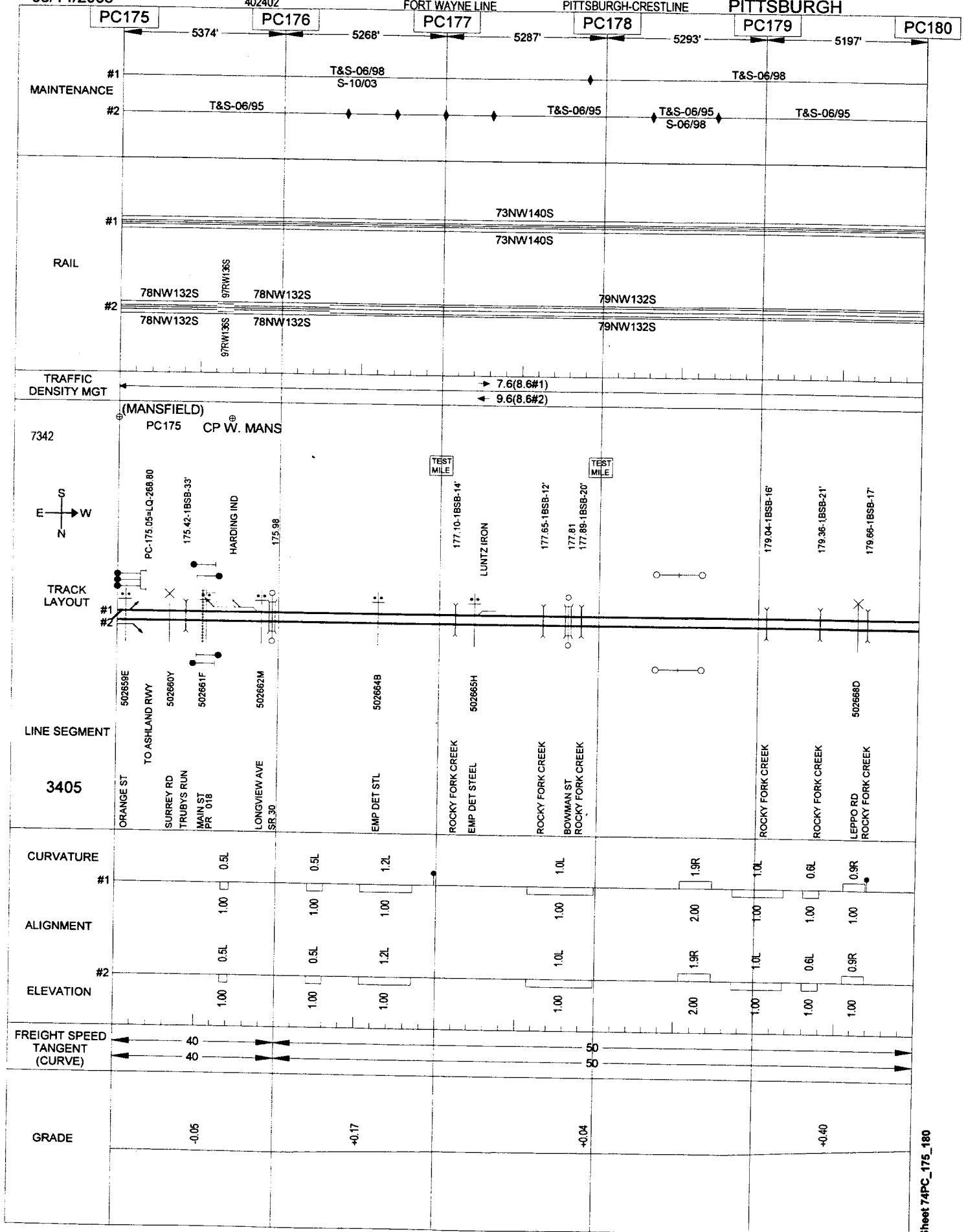
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402402

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

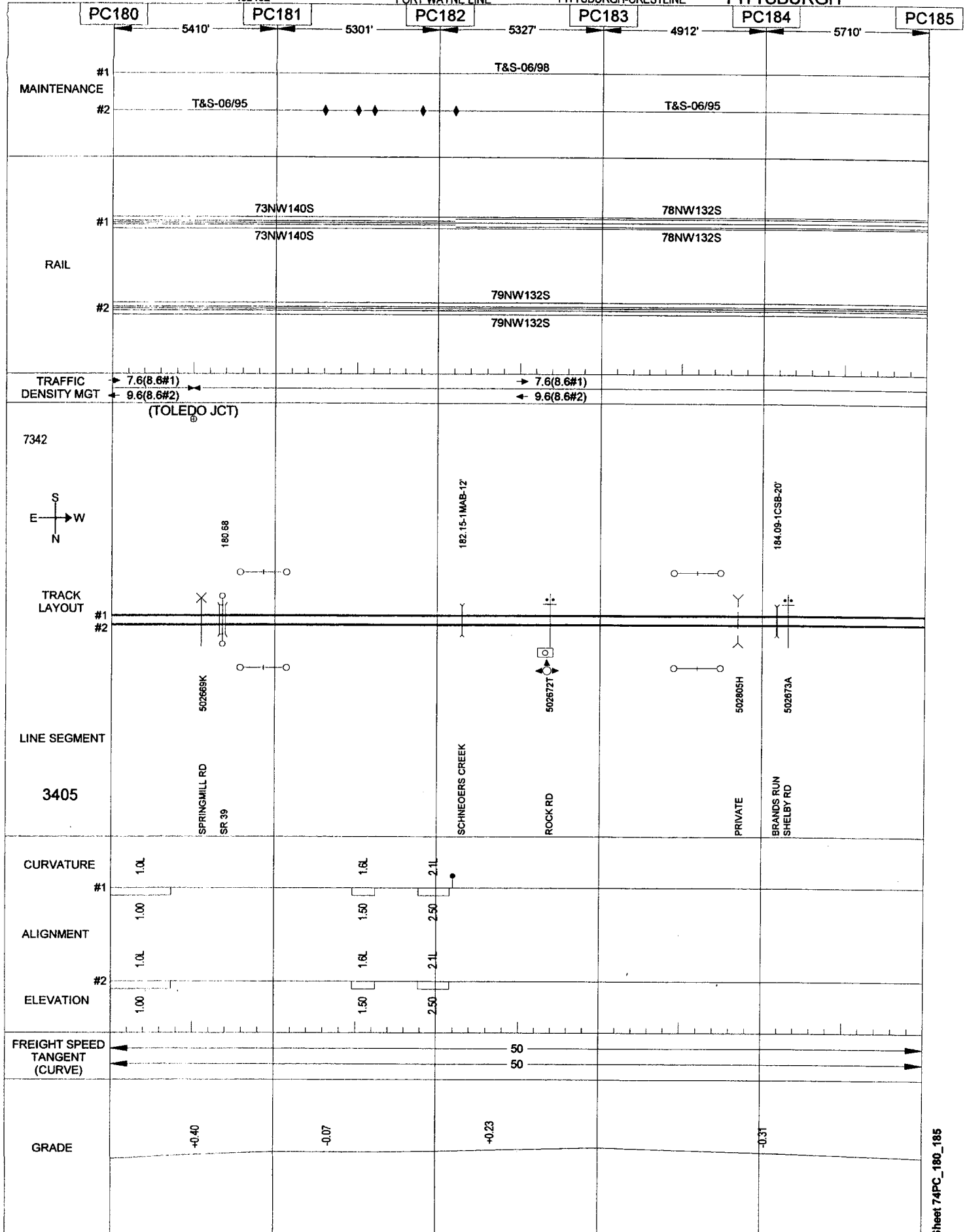
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FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



06/14/2006

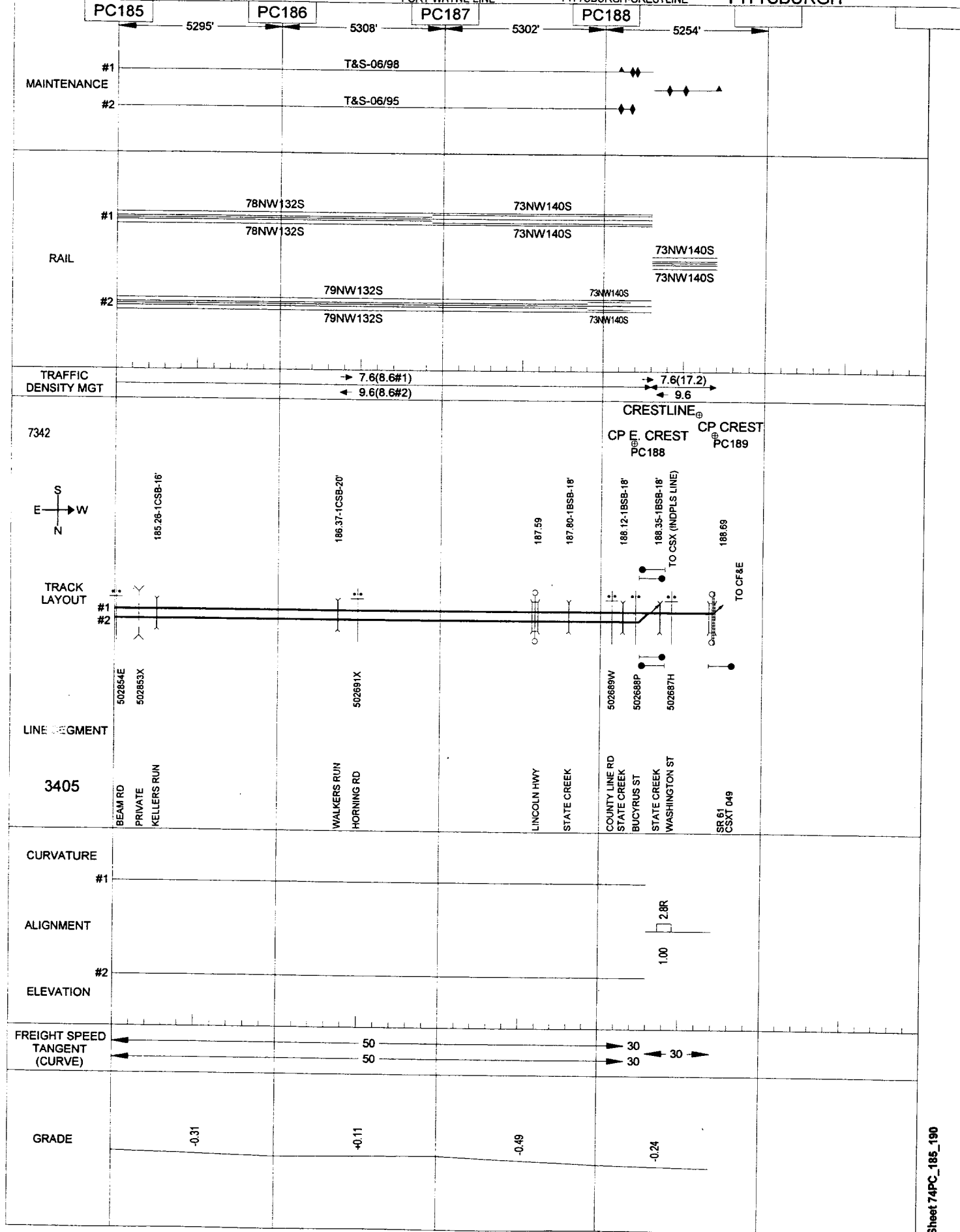
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090

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



## PITTSBURGH

RD5

— 5278'

T&S-03/03

T&S-09/04

RAIL

## TRAFFIC DENSITY MGT

7431

## TRACK LAYOUT

### LINE SEGMENT

3474

## CURVATURE

## ALIGNMENT

### ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

**GRADE**

Sheet 74RD\_0\_5

06/14/2006

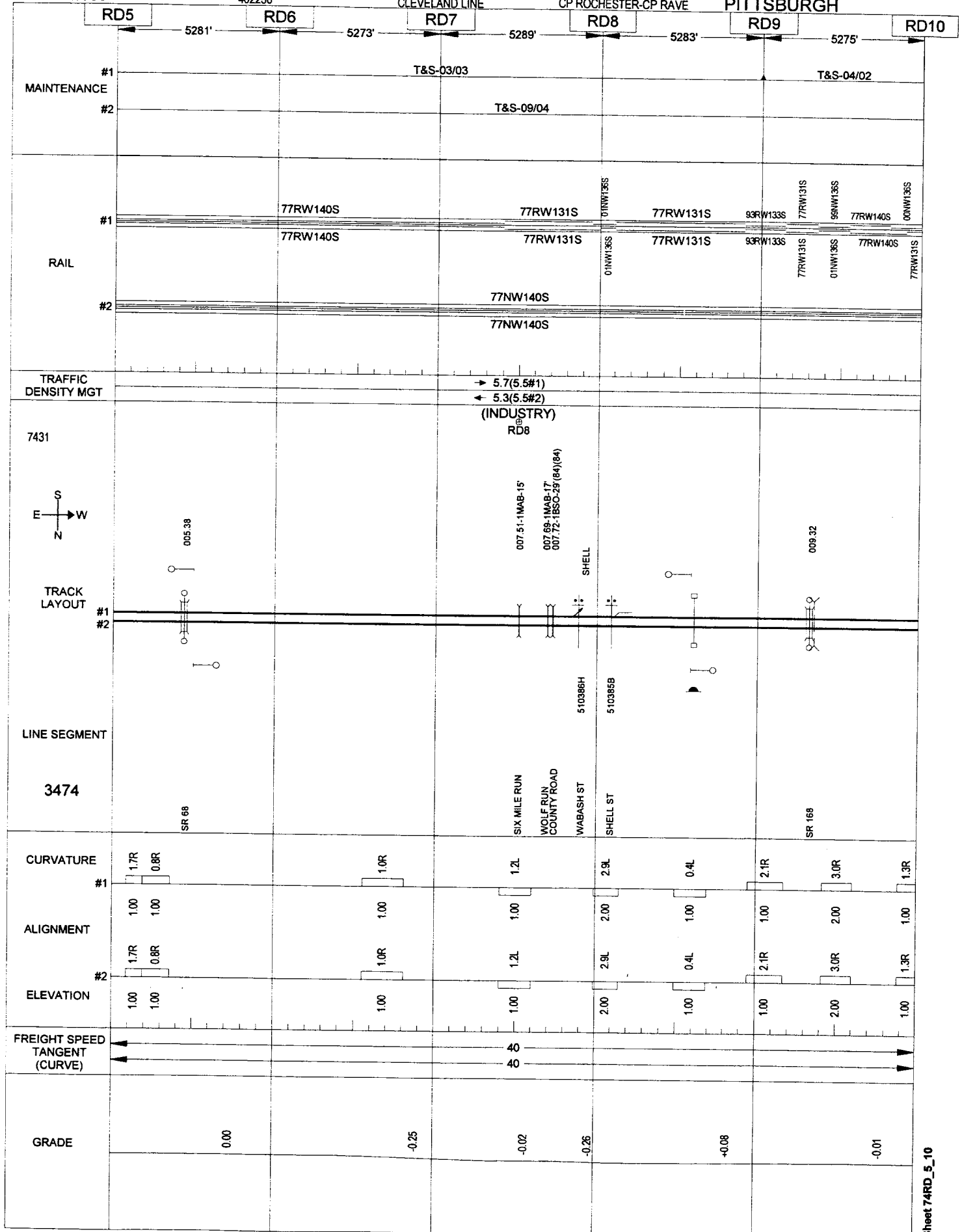
402230

092

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

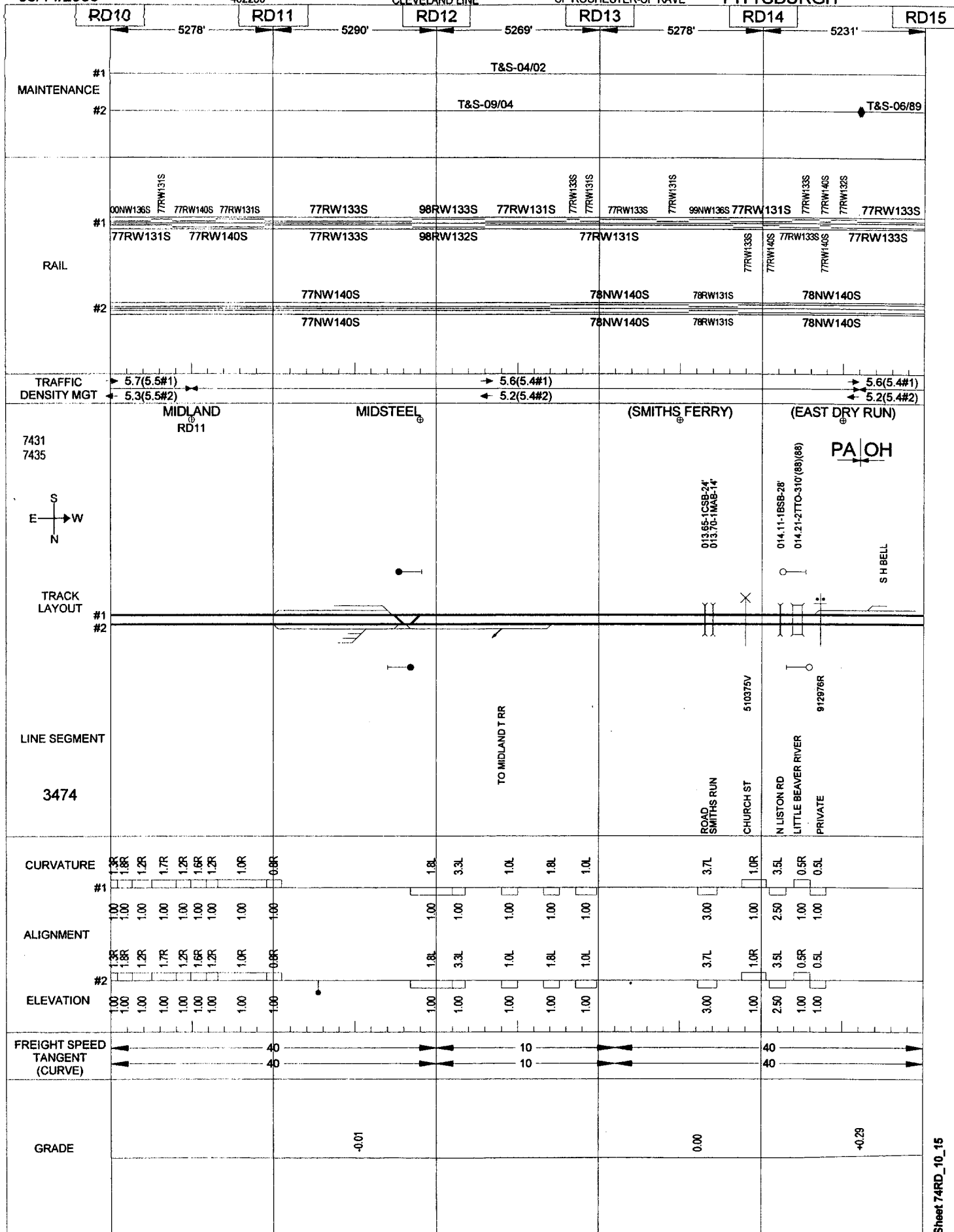
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093

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

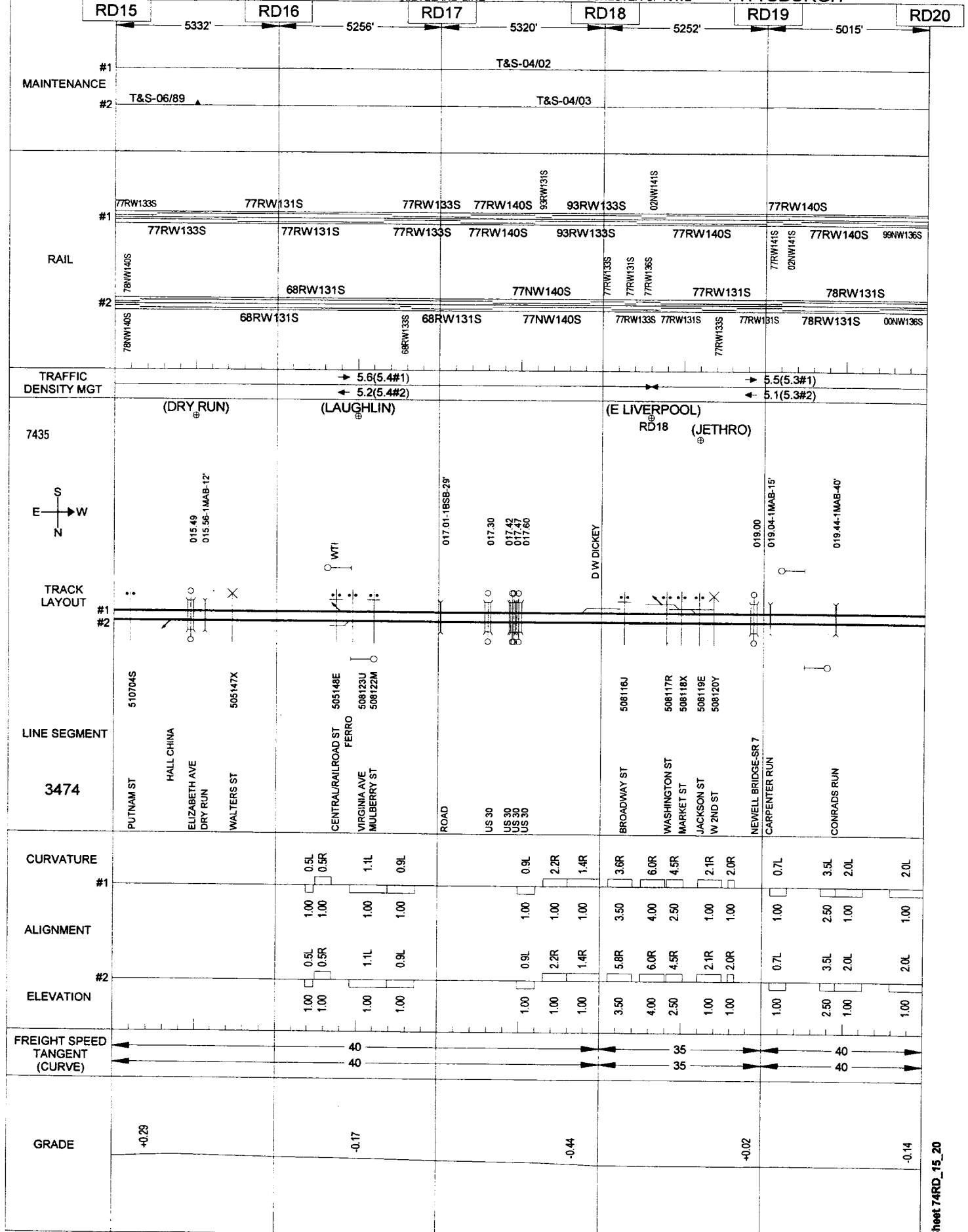
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094

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH





06/14/2006

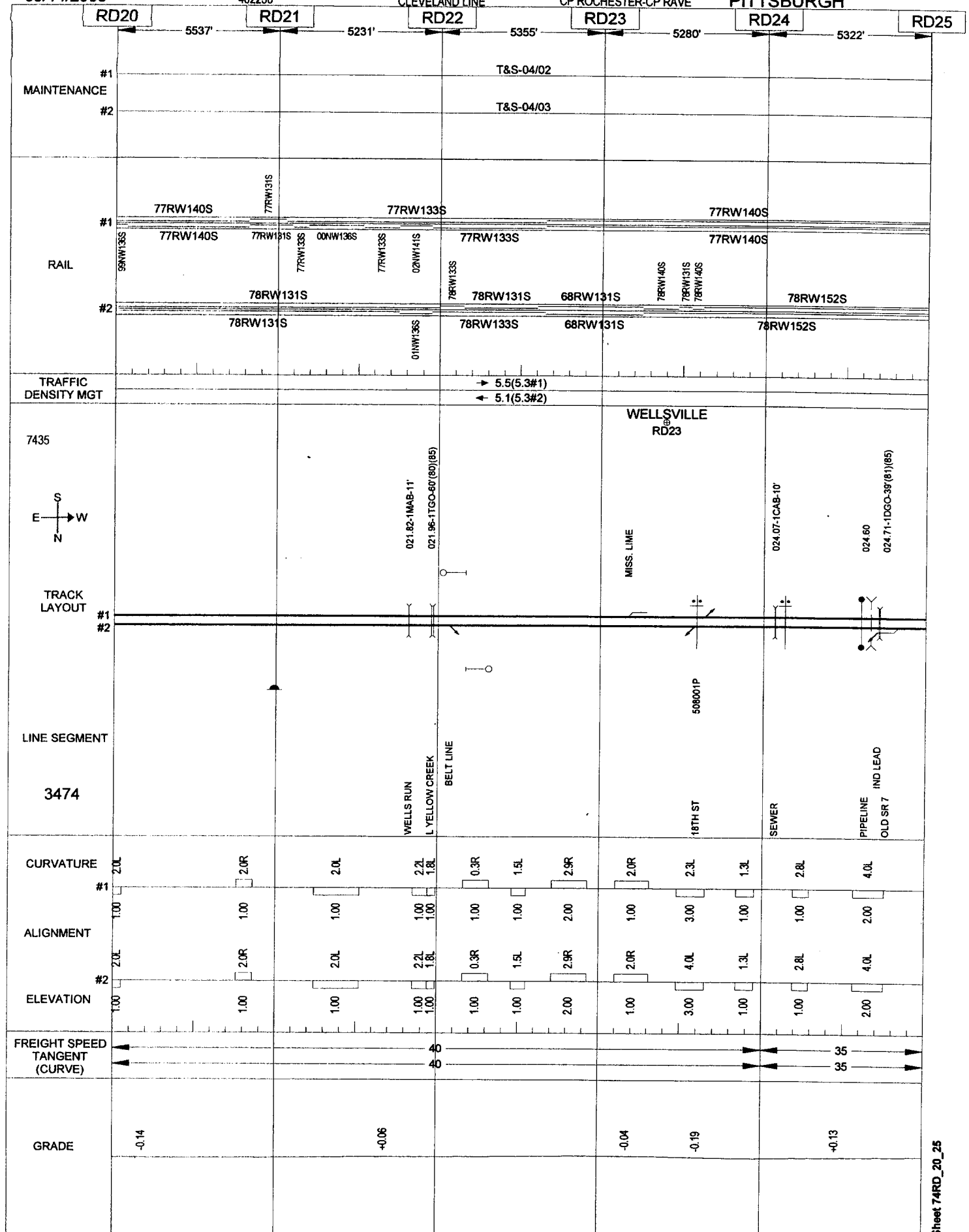
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095

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

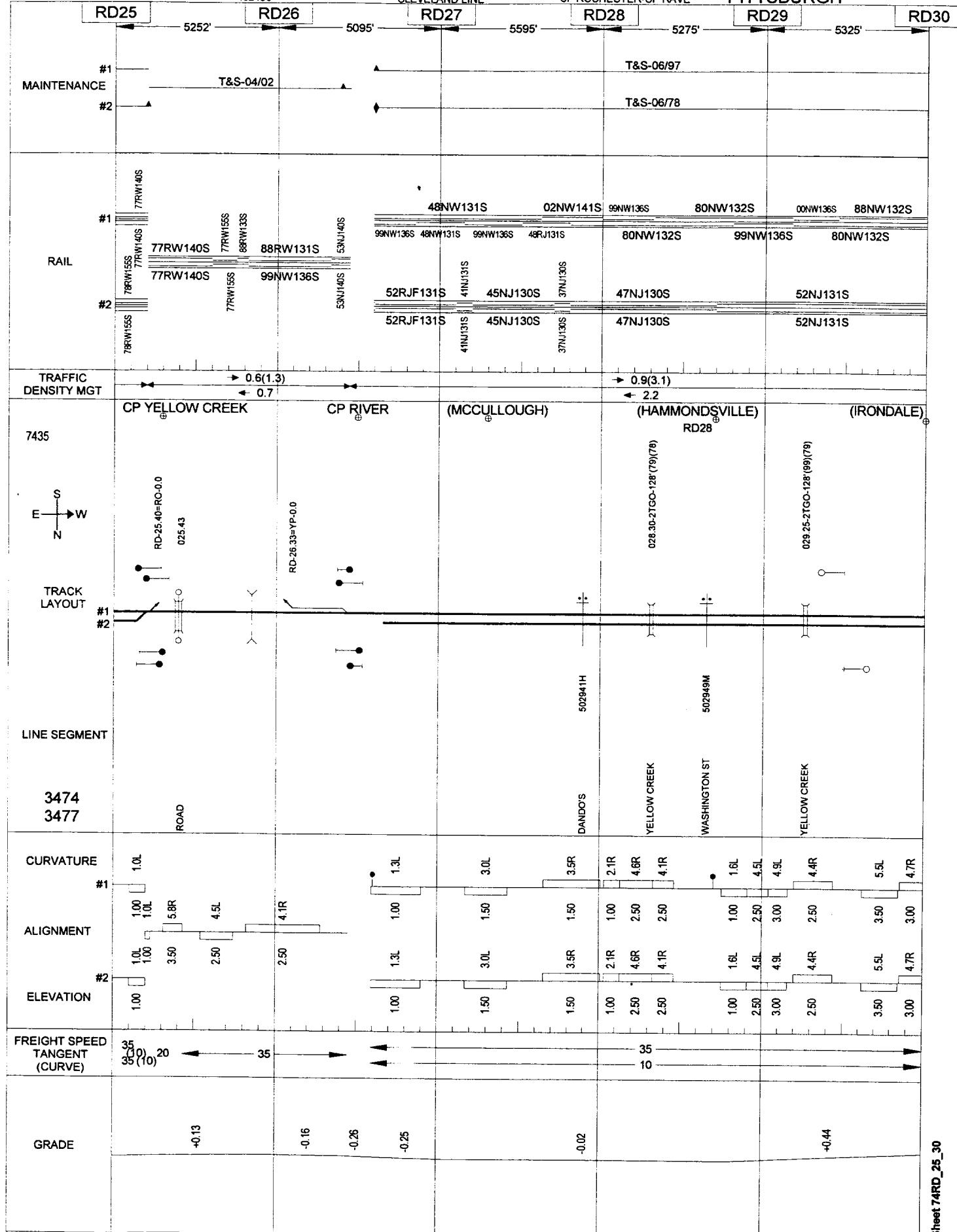
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096

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

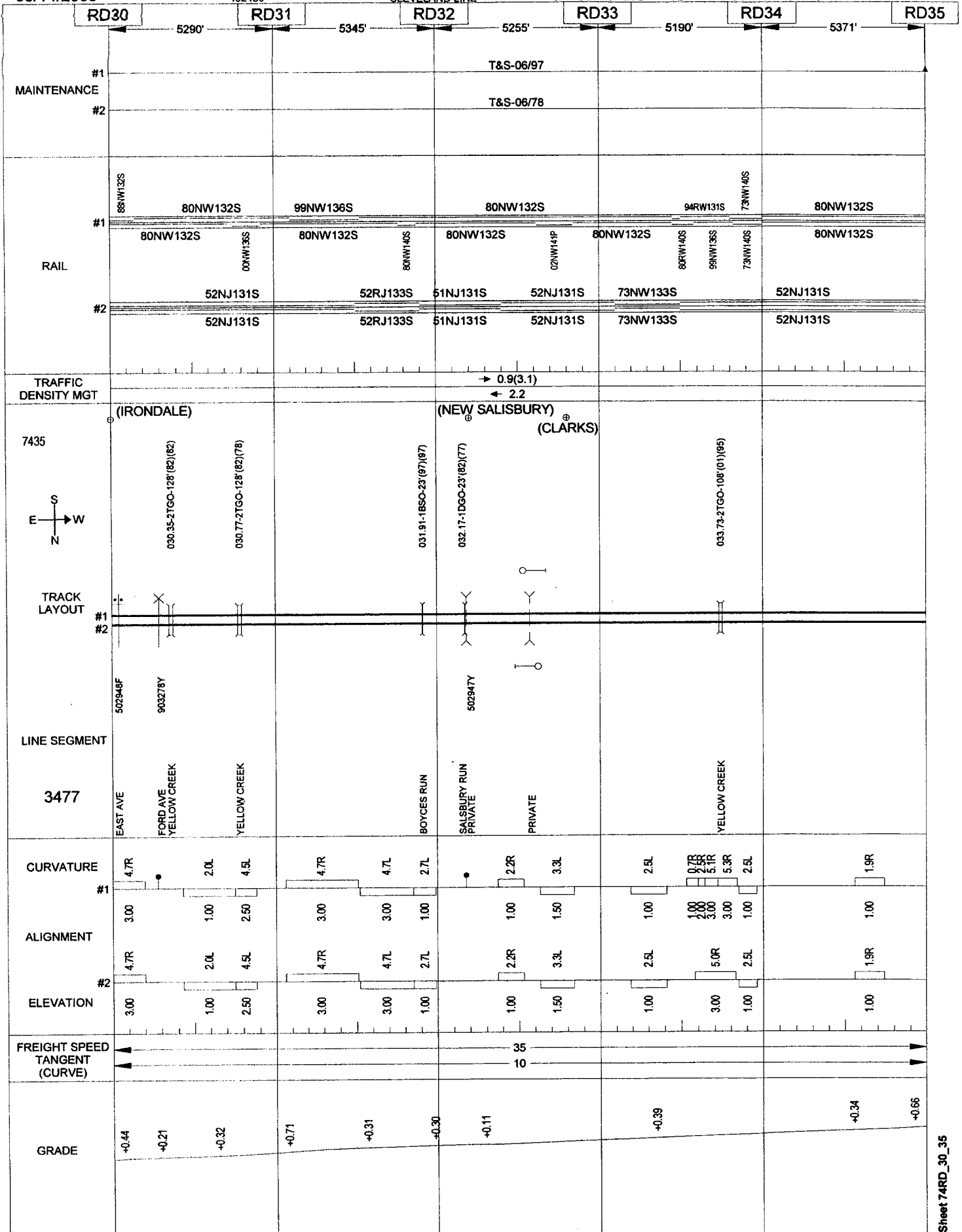
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097

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



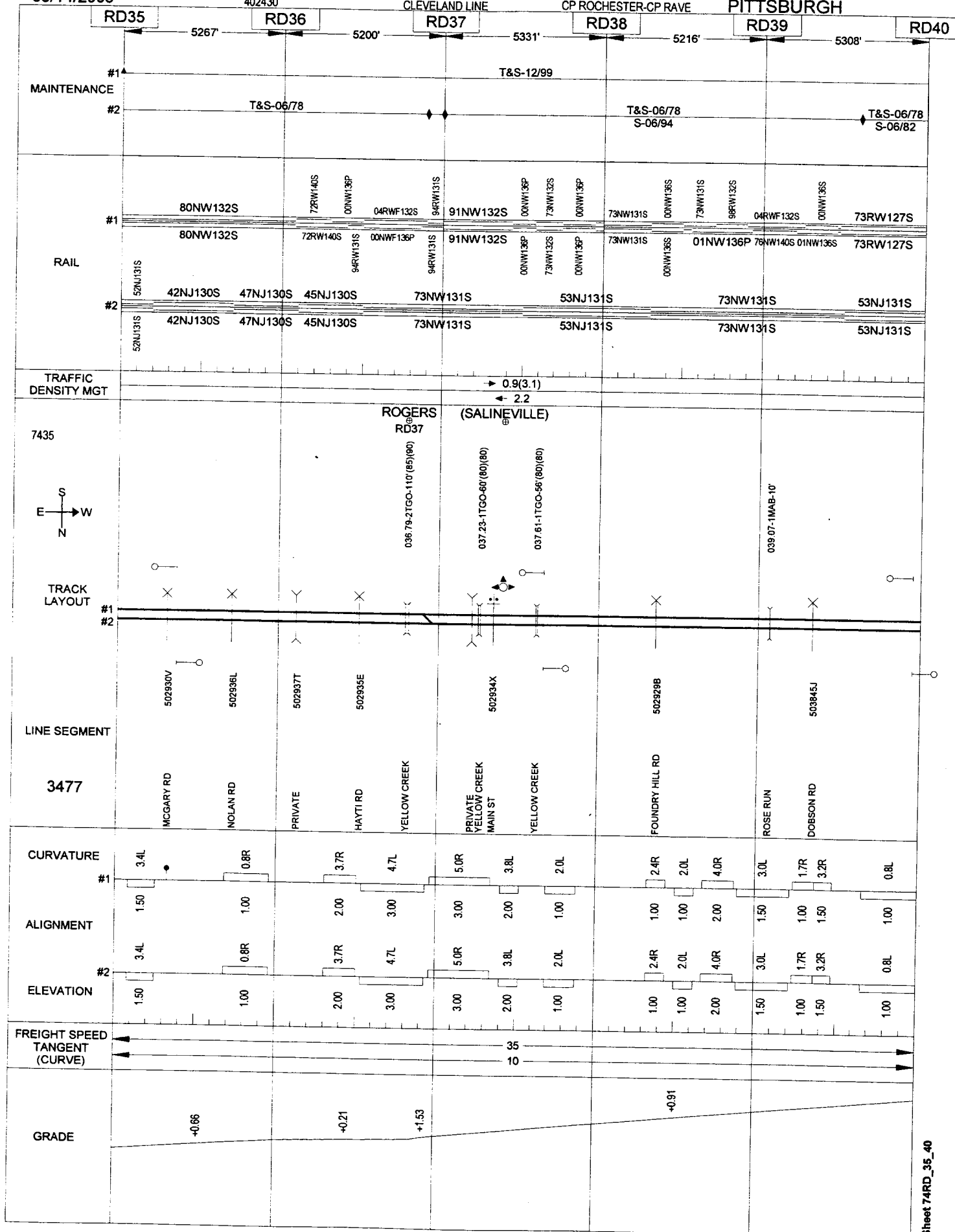
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098

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

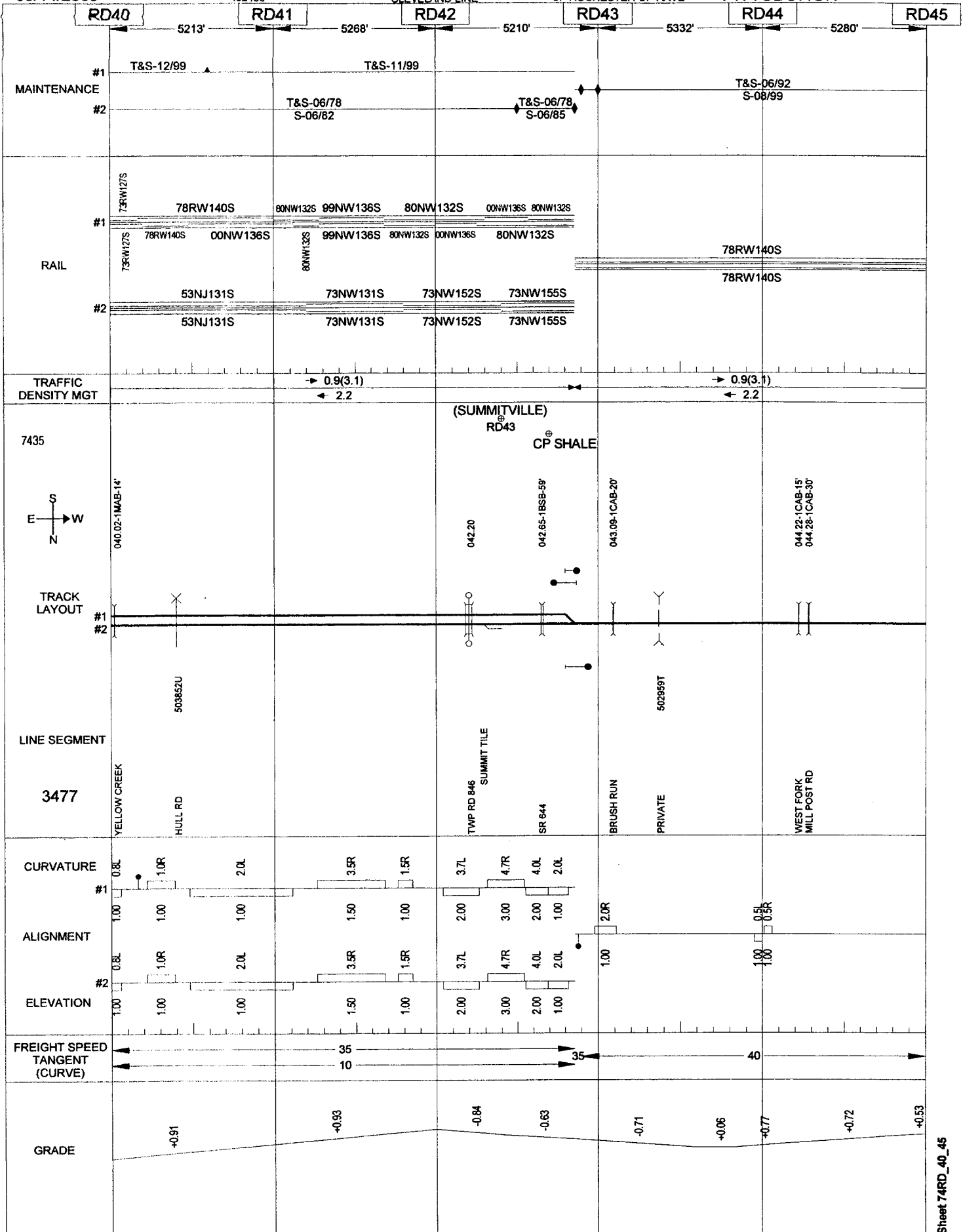
402430

099

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

402430

100

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH

RD45

RD46

RD47

RD48

RD49

RD50

5360'

5200'

5280'

5224'

5285'

MAINTENANCE

T&S-06/92  
S-08/99

T&S-06/92  
S-07/99

RAIL

78RW140S

78RW140S

78RW133S

TRAFFIC  
DENSITY MGT

→ 0.9(3.1)  
← 2.2

→ 1.1(3.1)  
← 2.0

7435

(KENSINGTON)  
RD49

S  
E → W  
N

045.10

047.22

047.76-1CAB-20'

048.26-3BSB-46'

049.61-2CSB-44'

TRACK  
LAYOUT

LINE SEGMENT

3477

RIDGE RD

PRIVATE

SAND HOLE RD

EWINGS ROAD

SR 9

MYERS RD

CURVATURE

ALIGNMENT

2.0L  
1.00

2.1L  
1.00

3.0L  
2.00

2.0R  
1.00

2.0R  
1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

GRADE

+0.53

+0.71

+0.77

+0.76

-0.40

-0.76

-0.92

-0.69

-0.77

-0.74

-0.30

+0.02

-0.22

06/14/2006

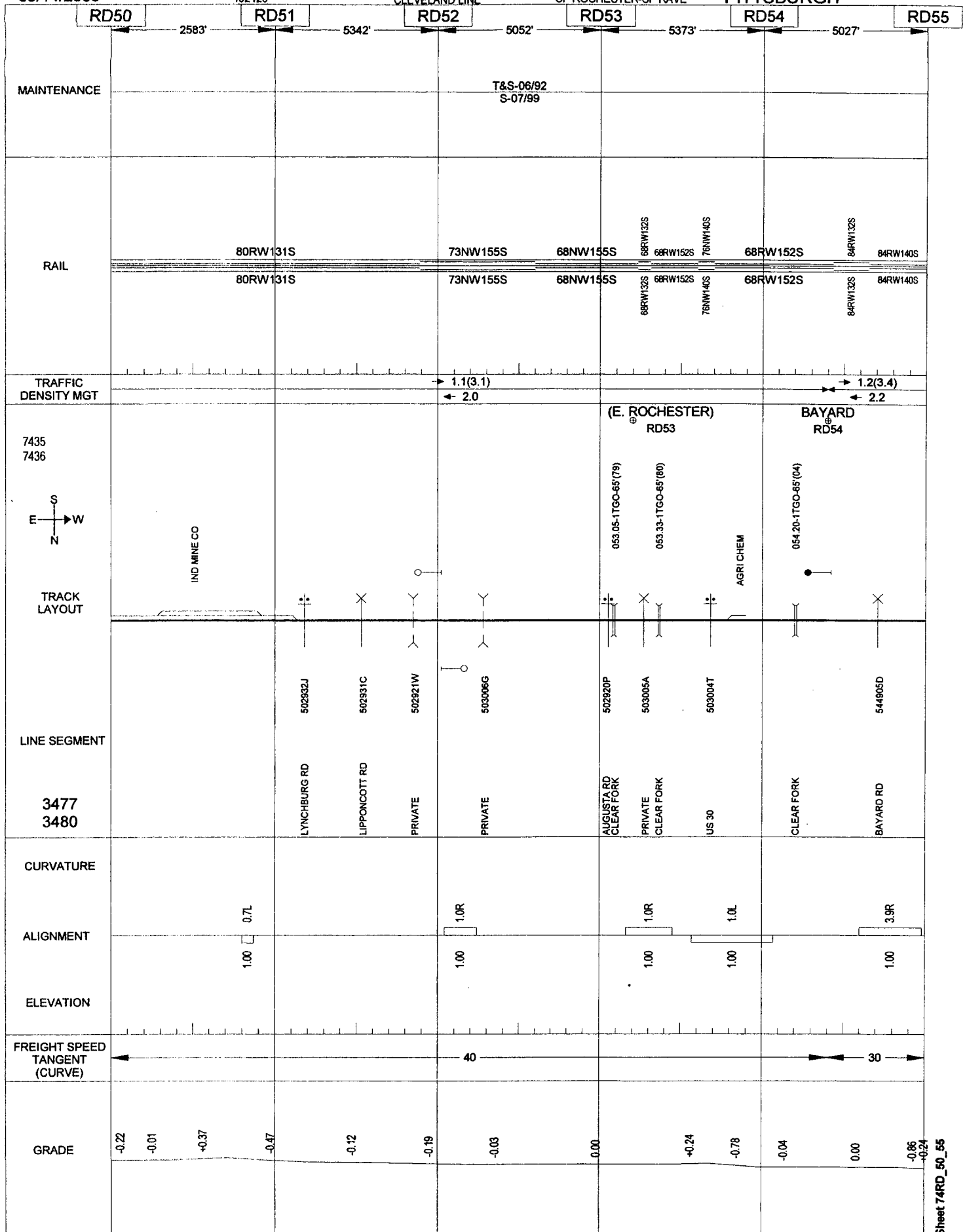
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101

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

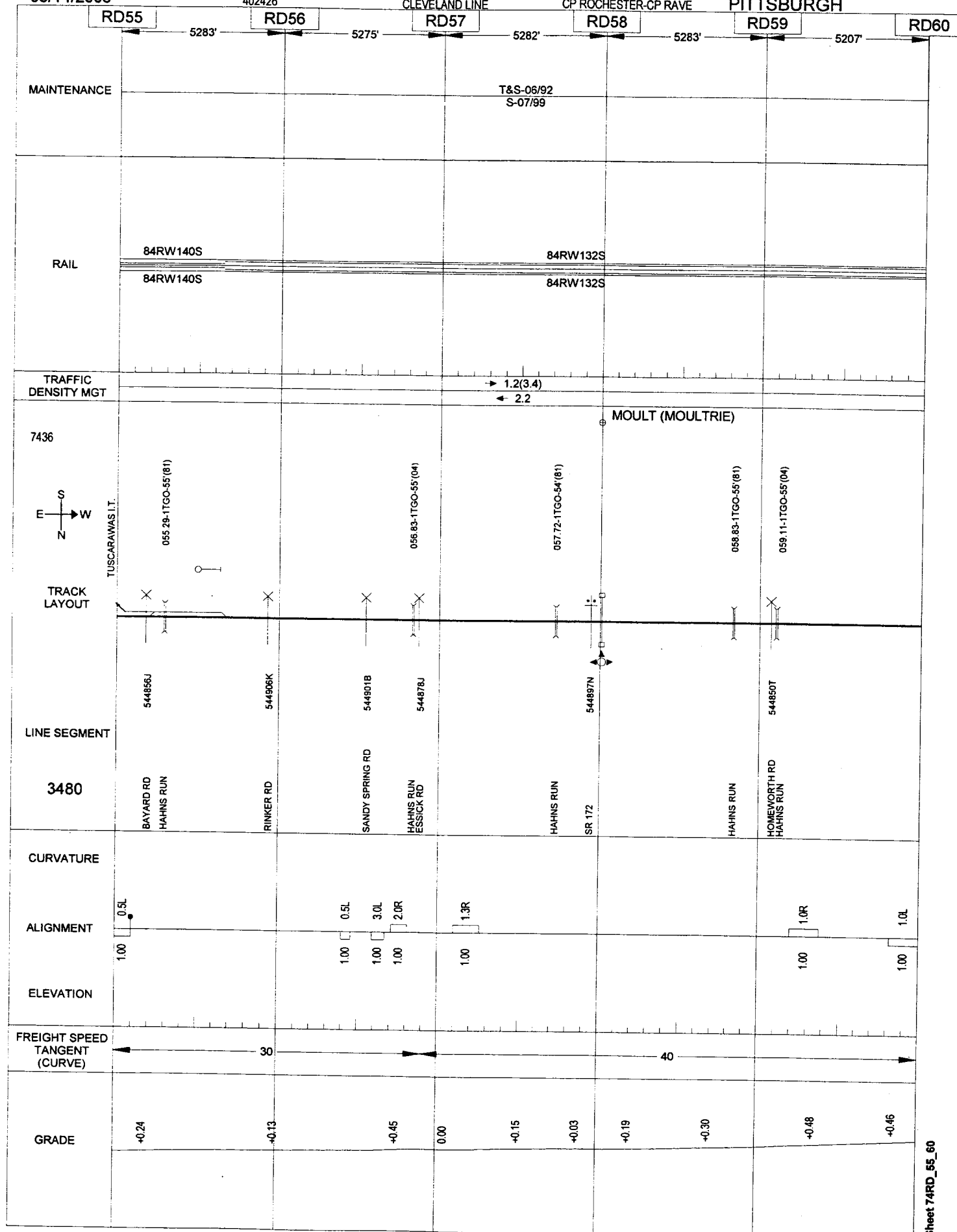
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102

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH





06/14/2006

402426

103

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH

RD60

RD61

RD62

RD63

RD64

RD65

6184'

5286'

5278'

5286'

5248'

MAINTENANCE

T&S-06/92  
S-07/99T&S-06/92  
S-06/99

RAIL

84RW132S

78RW155S

84RW140S

84RW132S

78RW155S

84RW140S

TRAFFIC  
DENSITY MGT→ 1.2(3.4)  
← 2.2

7436

(HOMEWORTH)

HOME  
RD65

060.17-1CAB-20'

060.65-2CAB-60'  
060.72-1BSB-34'

061.18

062.19

063.20

064.11-1MAB-20'

064.21-1BSB-30'

064.88-1CAB-10'

TRACK  
LAYOUT

LINE SEGMENT

3480

BOSS ROAD

SOUTH ST  
MAIN STREET

HOMEWORTH

MALONES RD

SCOTTS RD

PRIVATE  
BUCKS RD

PRIVATE

544865H

COPES RUN

HARTLEY RD

BANOYS RUN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

30

GRADE

+0.46

+0.51

-0.12

-0.49

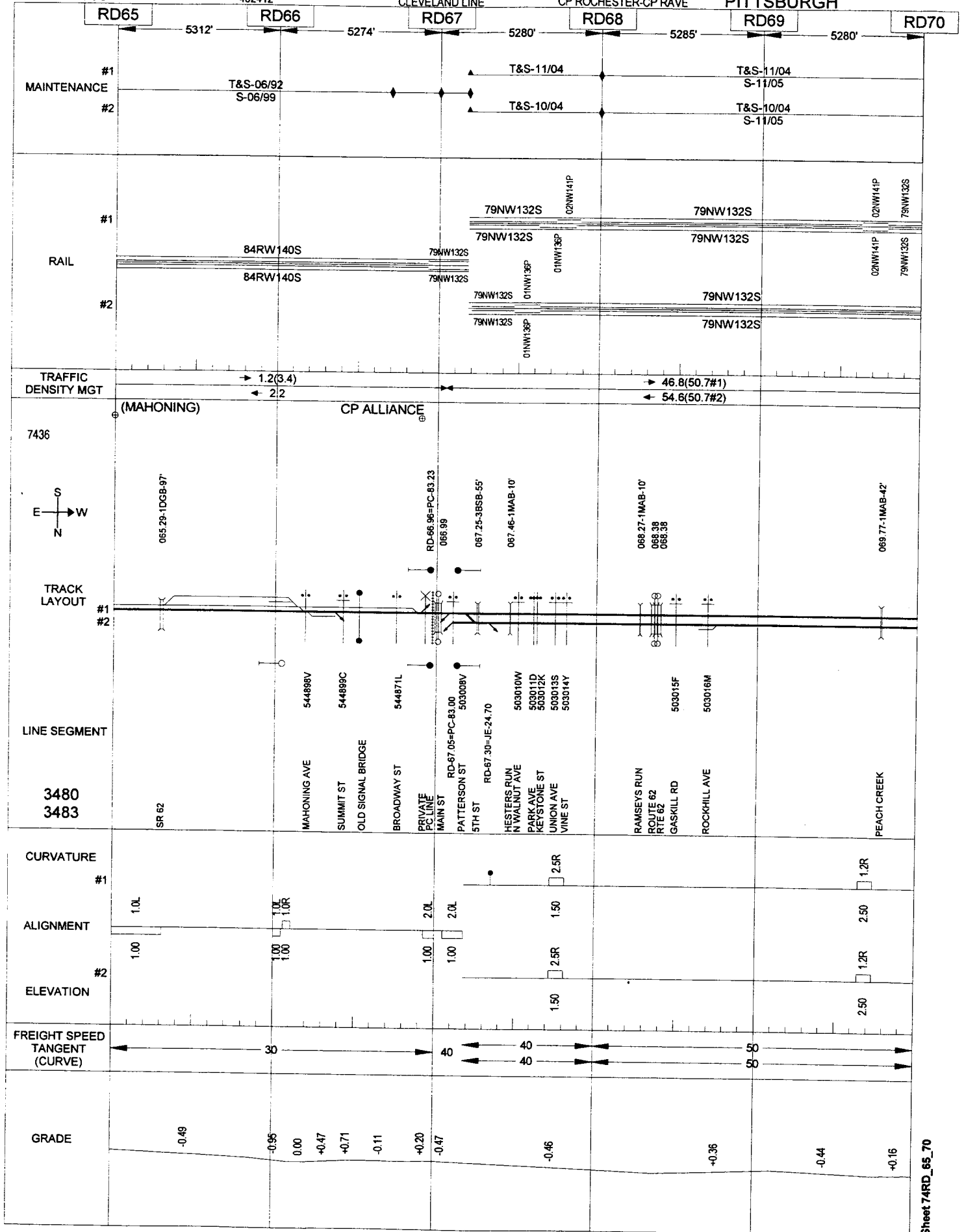
06/14/2006

104

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH



06/14/2006

402412

105  
CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH

RD70

RD71

RD72

RD73

RD74

RD75

5281'

5267'

5274'

5279'

5286'

MAINTENANCE  
#1  
#2T&S-11/04  
S-11/05  
T&S-10/04  
S-11/05

RAIL

#1

79NW132S

01NW136P

79NW132S

04NW141P

#2

79NW132S

01NW136P

79NW132S

04NW141P

79NW132S

03NW141P

79NW132S

TRAFFIC  
DENSITY MGT→ 46.8(50.7#1)  
← 54.6(50.7#2)

7436

S  
E → W  
N

(LIMAVILLE)

071.80-1MAB-25'

CP 73

074.80-1MAB-10'

TRACK  
LAYOUT

#1

#2

LINE SEGMENT

3483

503017U  
PRIVATE503018B  
BURDEN RD503019H  
GREENBOWER RD503020C  
DEER CREEK  
PRICE ST503021J  
GERMAN CHURCH RD503022R  
IRON ST503023X  
PRIVATE503024E  
PRIVATE503025L  
DEER CREEK  
WATERLOO RD

CURVATURE

#1

1.2R

1.1L

1.3L

1.3R

ALIGNMENT

2.50

2.00

3.00

3.00

ELEVATION

#2

1.2R

1.1L

1.3L

1.3R

FREIGHT SPEED  
TANGENT  
(CURVE)50  
50

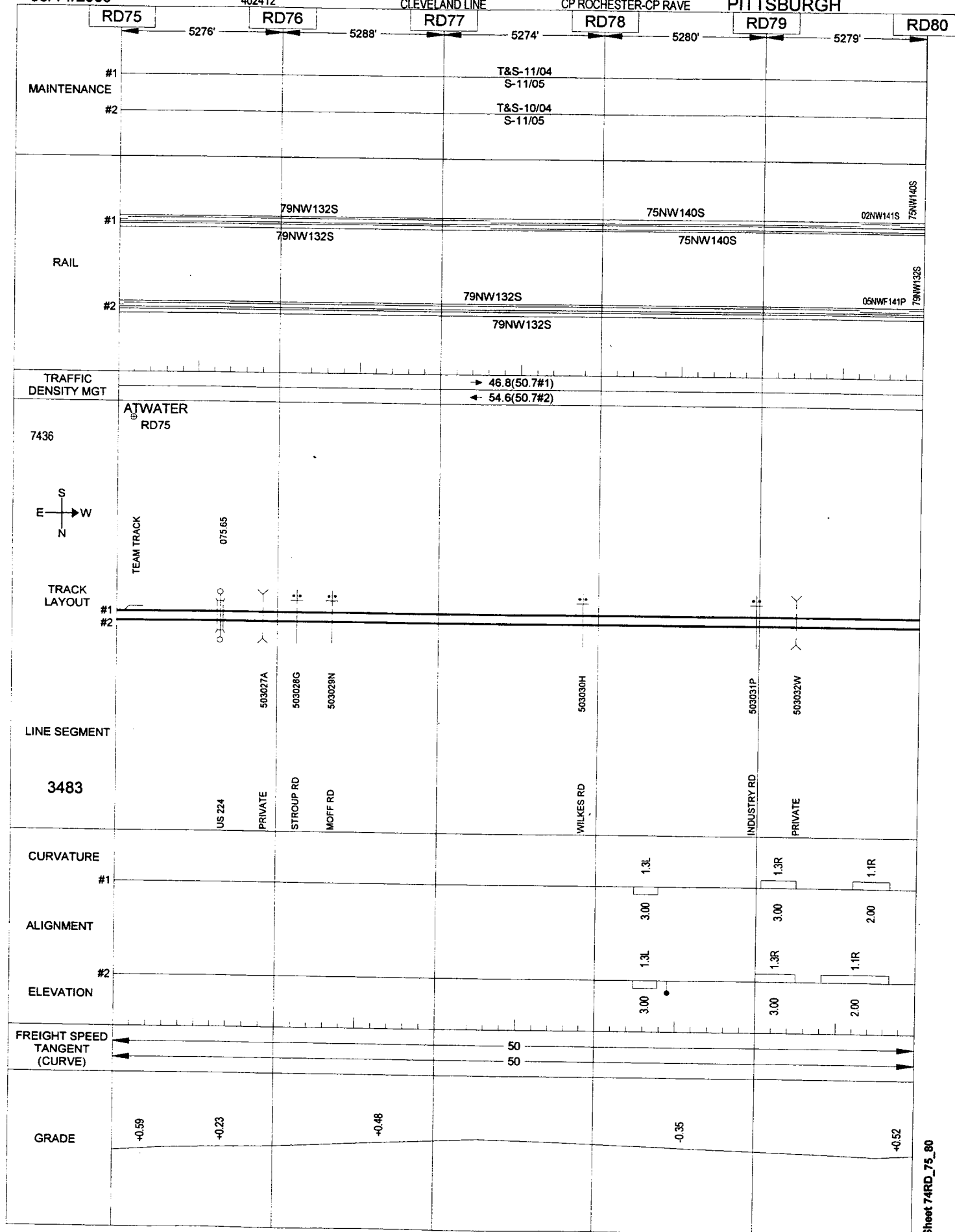
GRADE

+0.16

+0.69

-0.55

+0.59



## PITTSBURGH

RD85

#

S-11/05

S-11/05

RAIL

82RW132S

92NW136

91NW132

91NW132

TRAFFIC  
DENSITY MGT

← 54.6(50.7#2)

7436

(ROOTSTOWN)  
⊕  
RD81

## TRACK LAYOUT

#:

LINE SEGMENT

3483

## CURVATURE

#

## ALIGNMENT

ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

**GRADE**

+0.52

**-0.41**

**+0.27**

-0.01

**-0.39**

**-0.14**

Sheet 74RD\_80\_85

06/14/2006

402412

108

CLEVELAND LINE

CP ROCHESTER-CP RAVE

PITTSBURGH

RD85

4752'

MAINTENANCE

#1

T&amp;S-11/04

S-11/05

#2

T&amp;S-10/04

S-11/05

RAIL

#1

82RW132S

82RW132S

#2

79NW132S

79NW132S

TRAFFIC  
DENSITY MGT

→ 46.9(50.8#1)

← 54.6(50.8#2)

(RAVENNA) CP RAVE  
RD85

7436

S  
E → W  
N

085.17-TGB-51'

TRACK  
LAYOUT

#1

#2

BEGIN DEARBORN DIV

LINE SEGMENT

3483

DIAMON ST

CURVATURE

#1

ALIGNMENT

#2

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

50

GRADE

-0.14

0.00

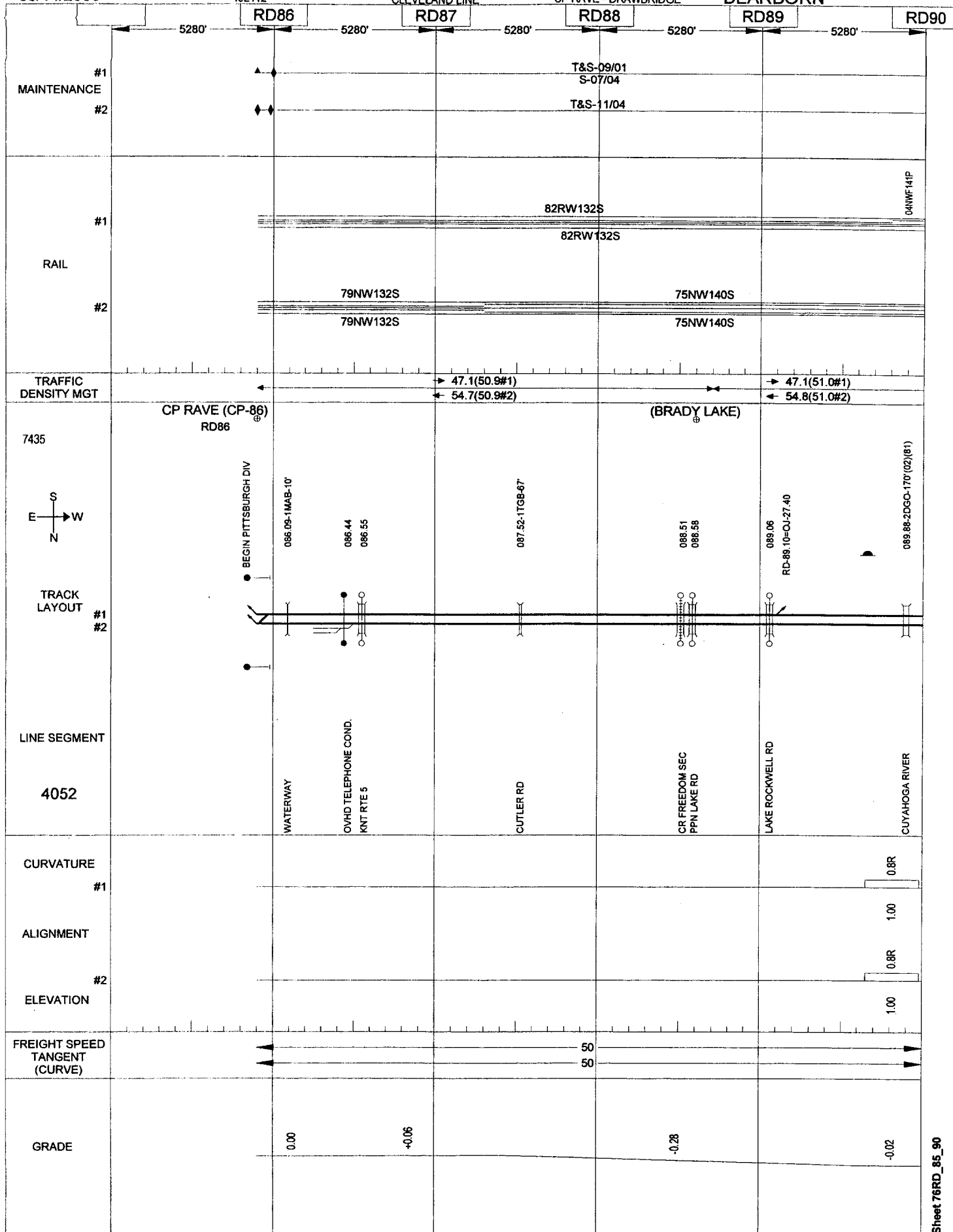
06/14/2006

402412

108.1  
CLEVELAND LINE

CP RAVE - DRAWBRIDGE

DEARBORN



RD90		RD91		RD92		RD93		RD94		RD95	
5280'		5280'		5280'		5280'		5280'		5280'	
MAINTENANCE		T&S-09/01 S-07/04		T&S-11/04							
RAIL		82RW132S		82RW132S		77NW140S		77NW140S			
TRAFFIC DENSITY MGT		→ 47.1(51.0#1) ← 54.8(51.0#2)									
7435		(EARLVILLE)				CP 94					
TRACK LAYOUT		090.35 090.66		091.94-1TGB-35'		092.56-1TGO-81(79/78) 092.65-1TGB-35'		TEST MILE		TEST MILE	
LINE SEGMENT		503546C 503545V		503542A		503541T					
4052		BOTTLEERS RD SR 43		PRIVATE PRIVATE		HUDSON RD		W&LE RR SEASONS RD		STOW RD	
CURVATURE		#1		#2							
ALIGNMENT											
ELEVATION											
FREIGHT SPEED		50		50							
TANGENT (CURVE)											
GRADE		-0.02 -0.28		0.00		-0.28		0.00		-0.32	



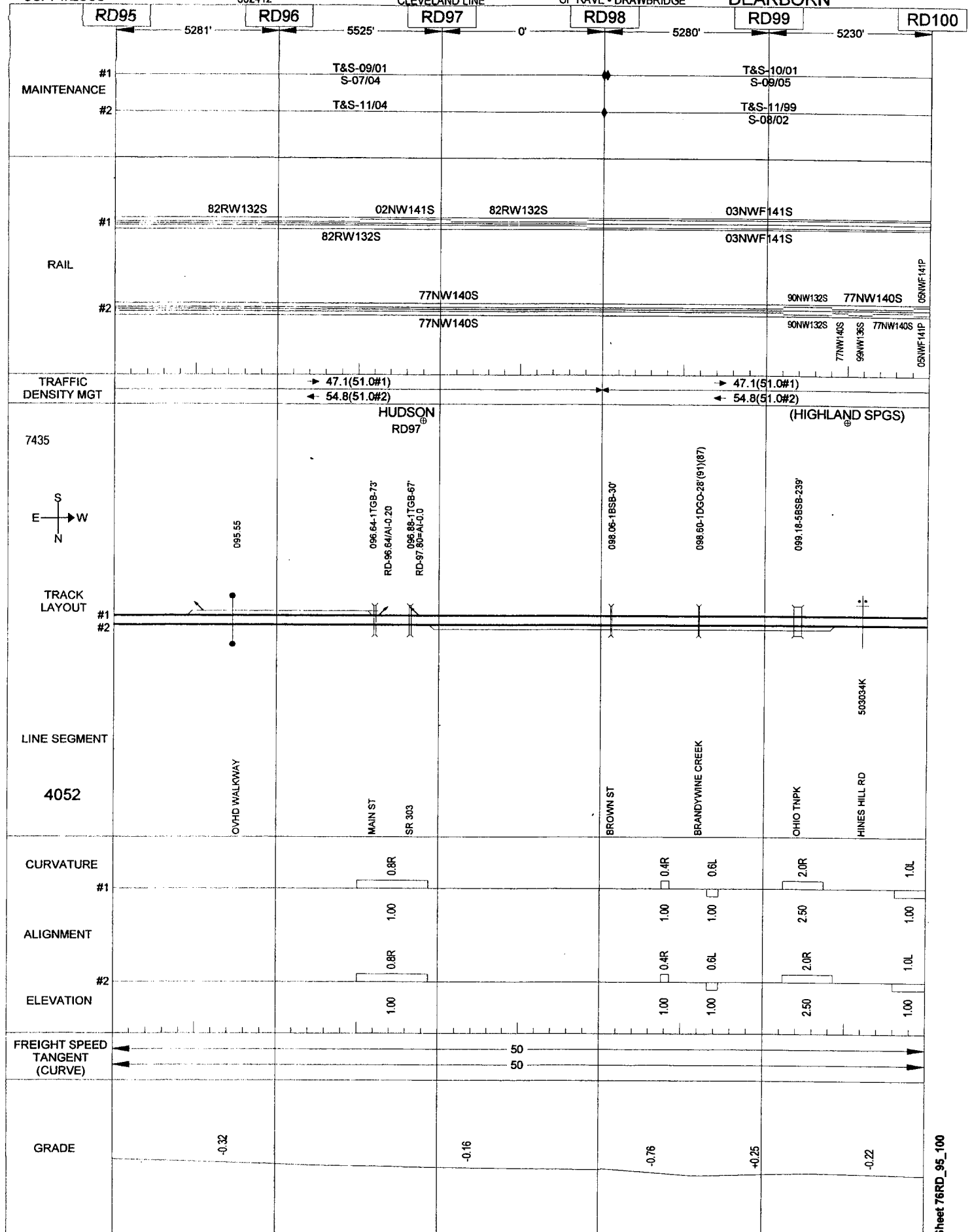
06/14/2006

502412

108.3  
CLEVELAND LINE

CP RAVE - DRAWBRIDGE

DEARBORN



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06/14/2006

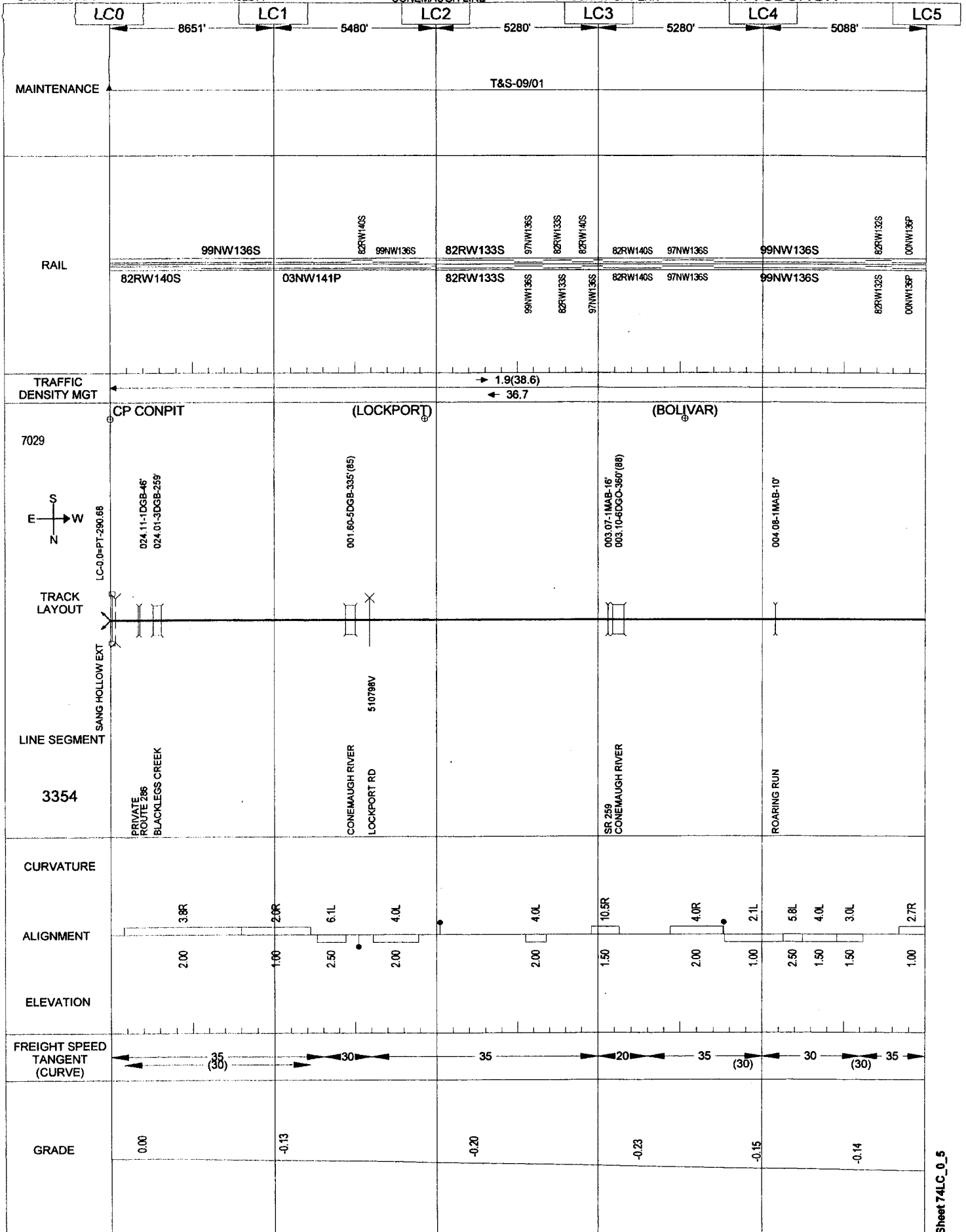
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109

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

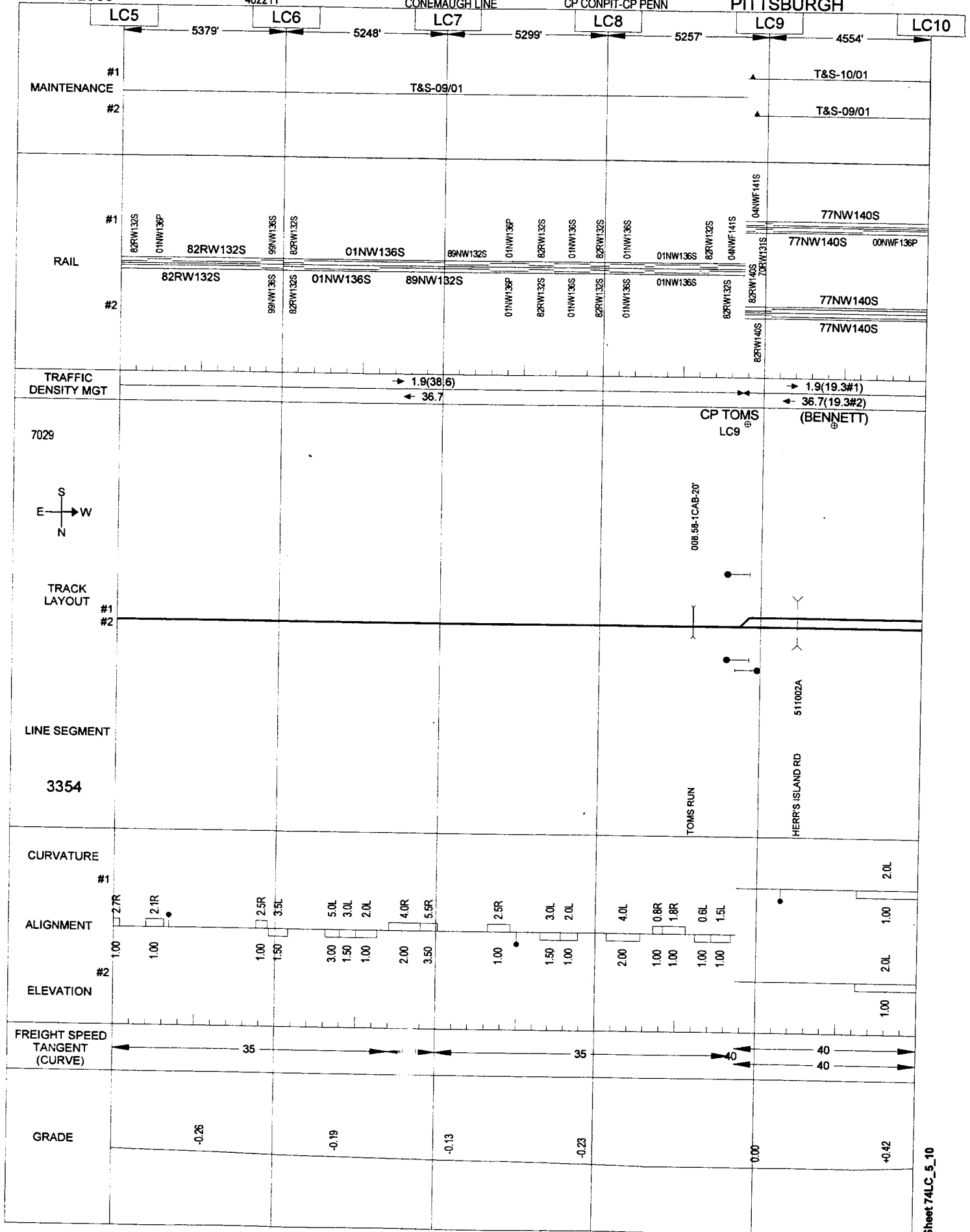
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110

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

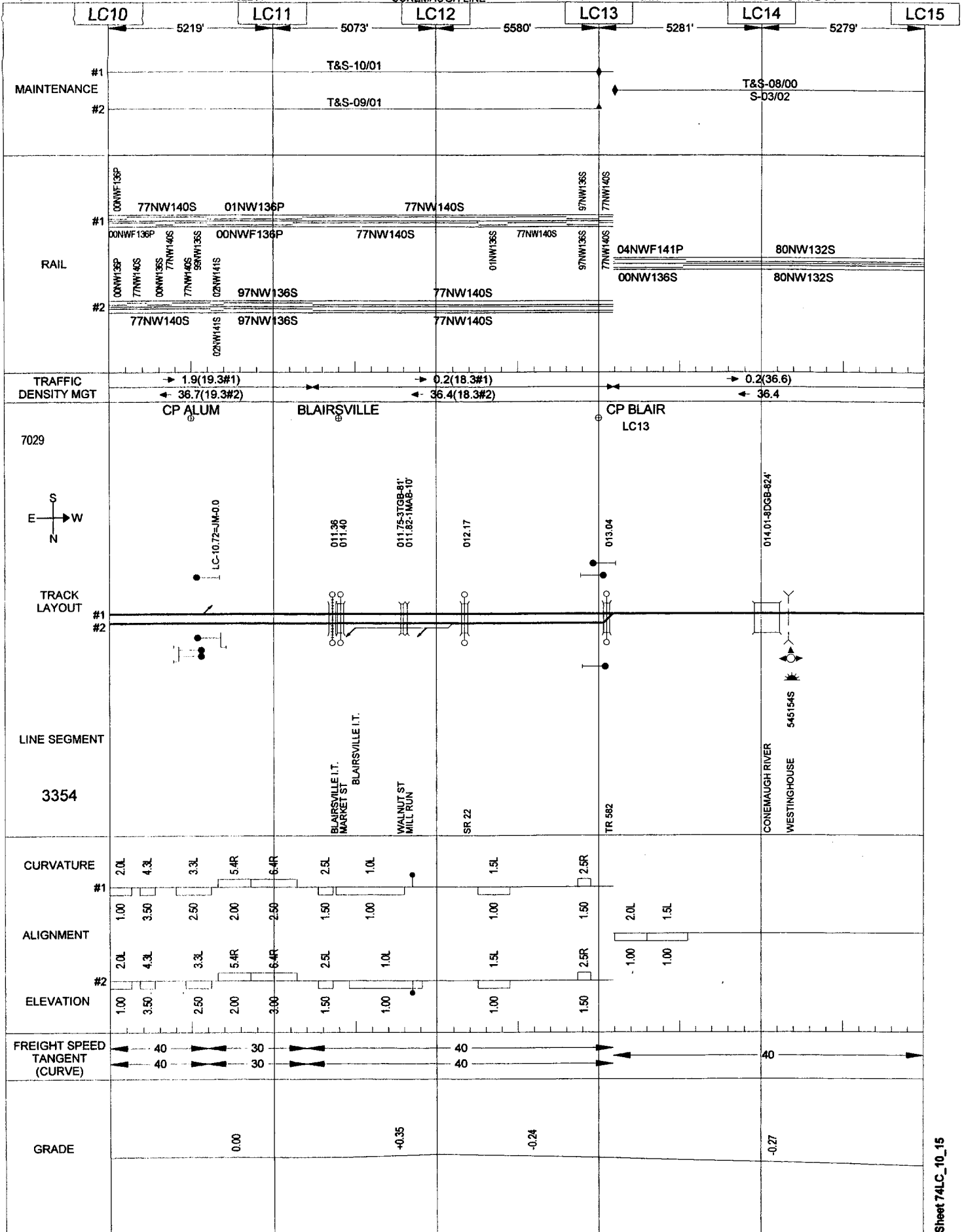
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111

CONEMAUGH LINE

CP CONIT-CP PENN

PITTSBURGH



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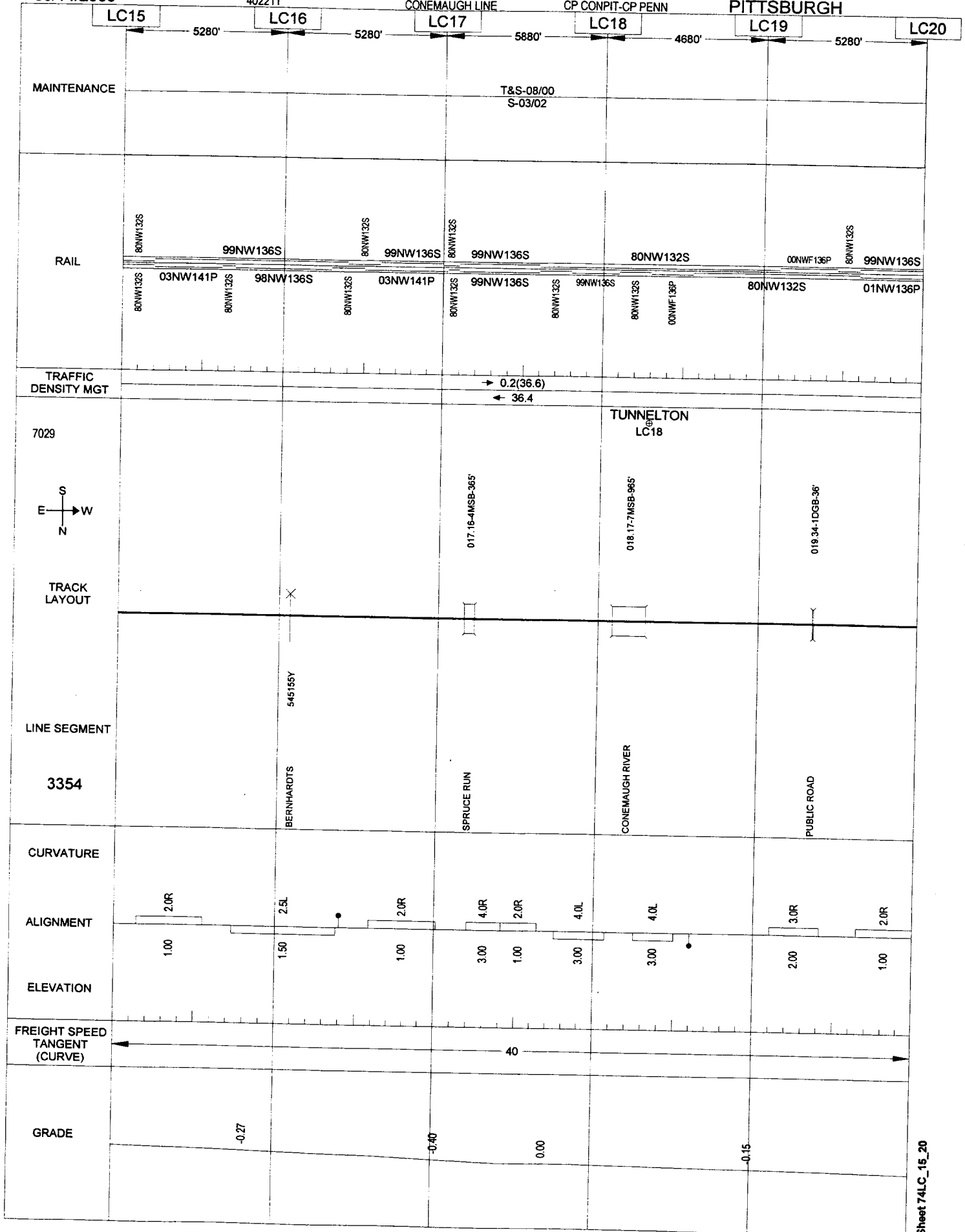
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112

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

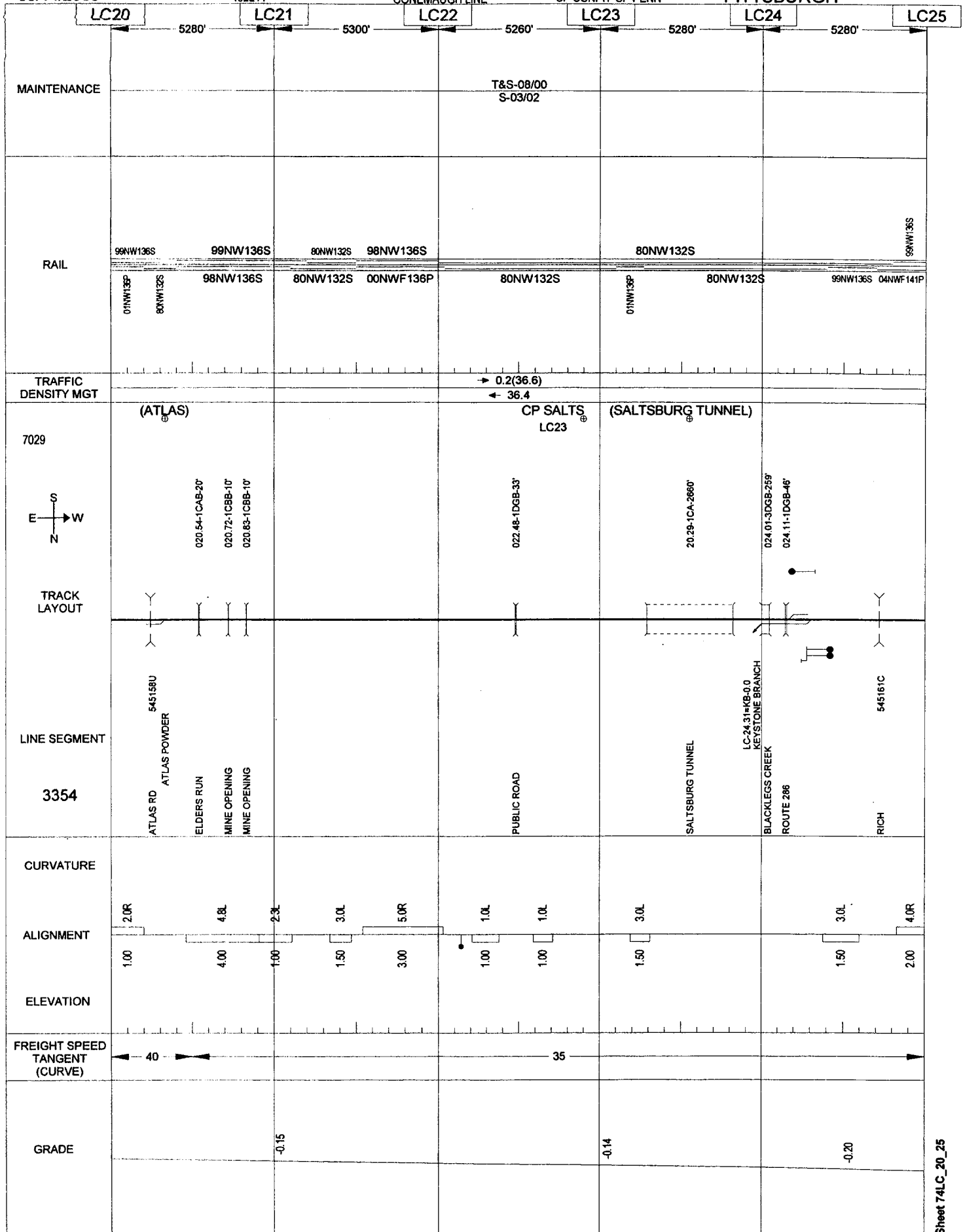
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113

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



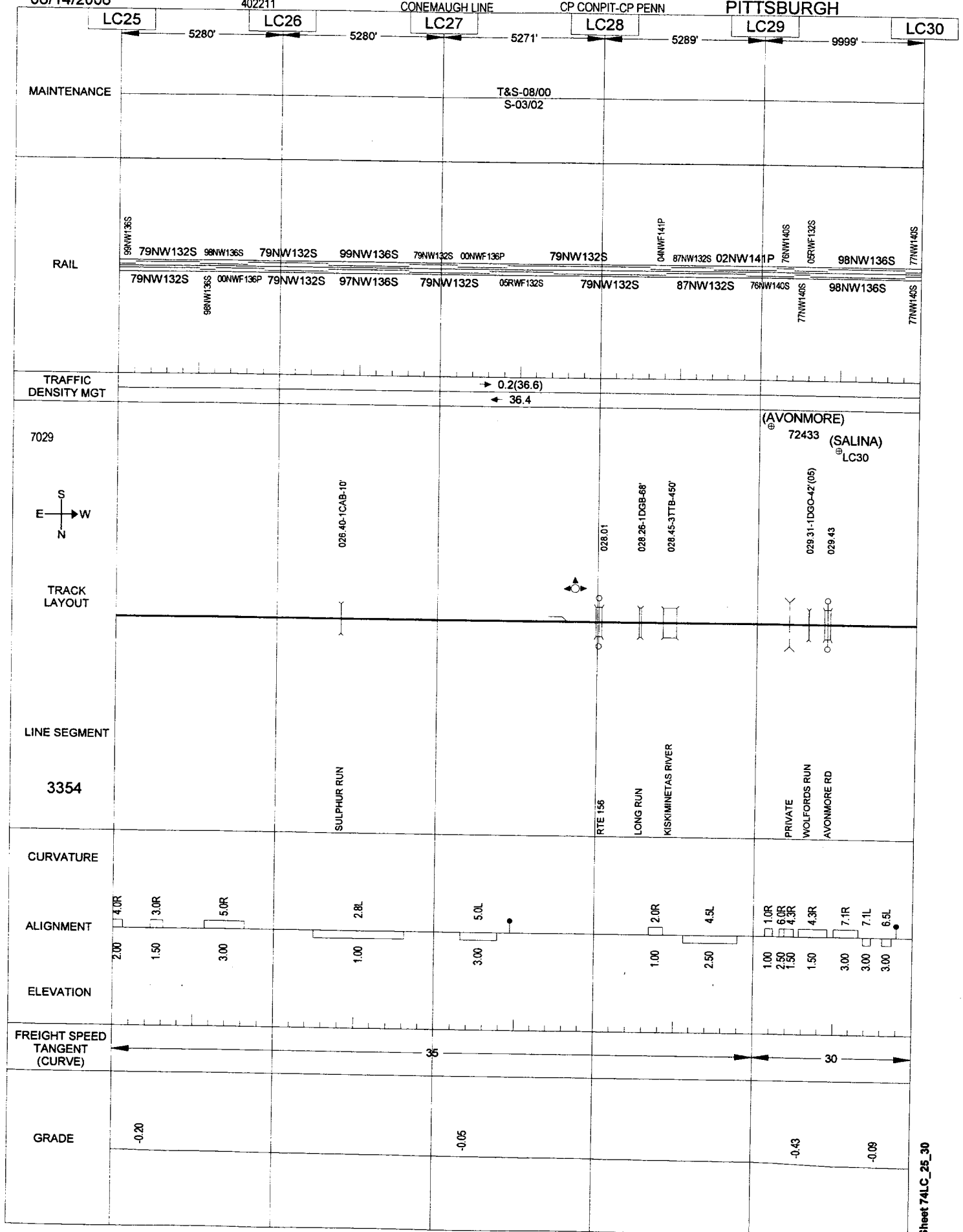
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114

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH





06/14/2006

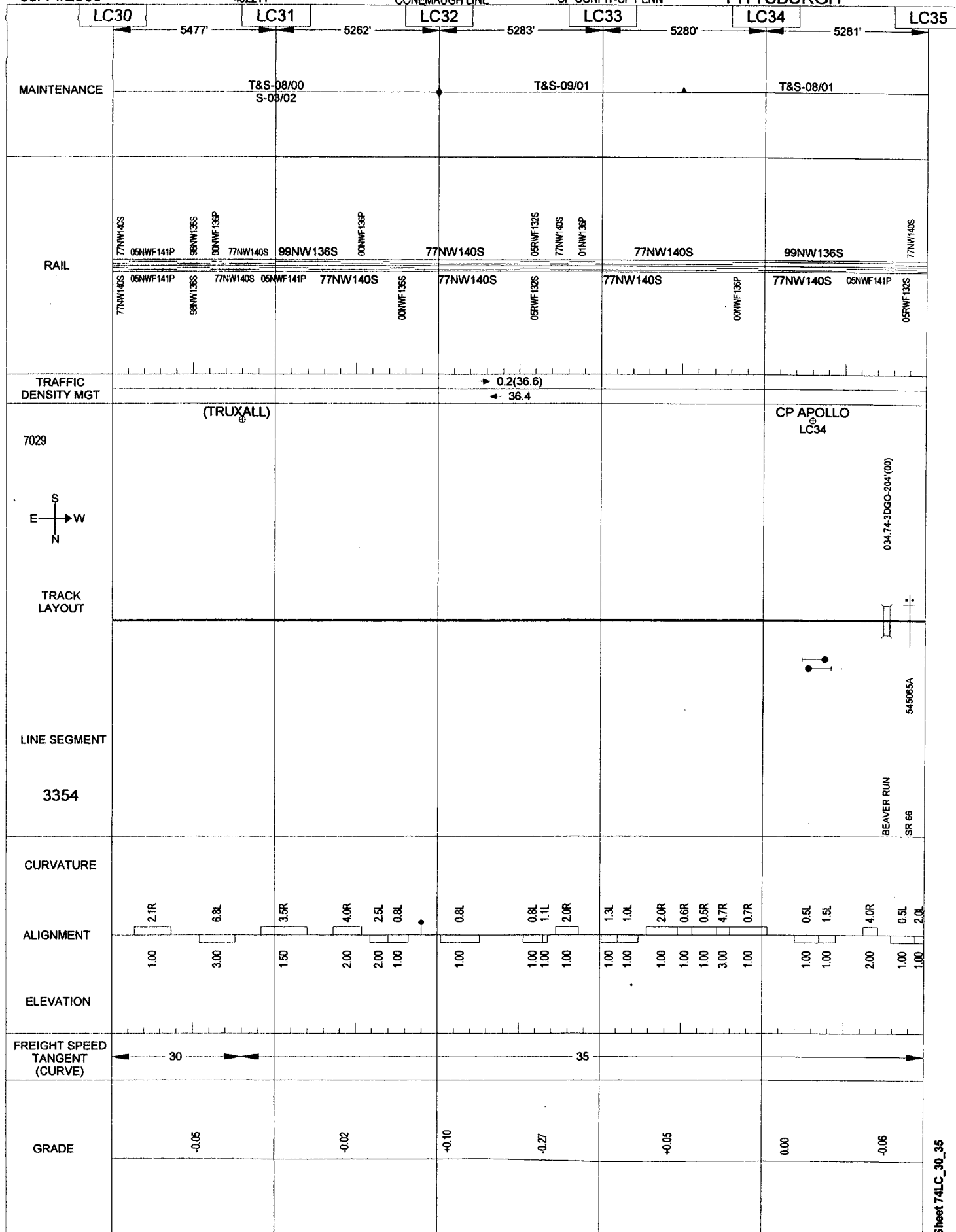
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115

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

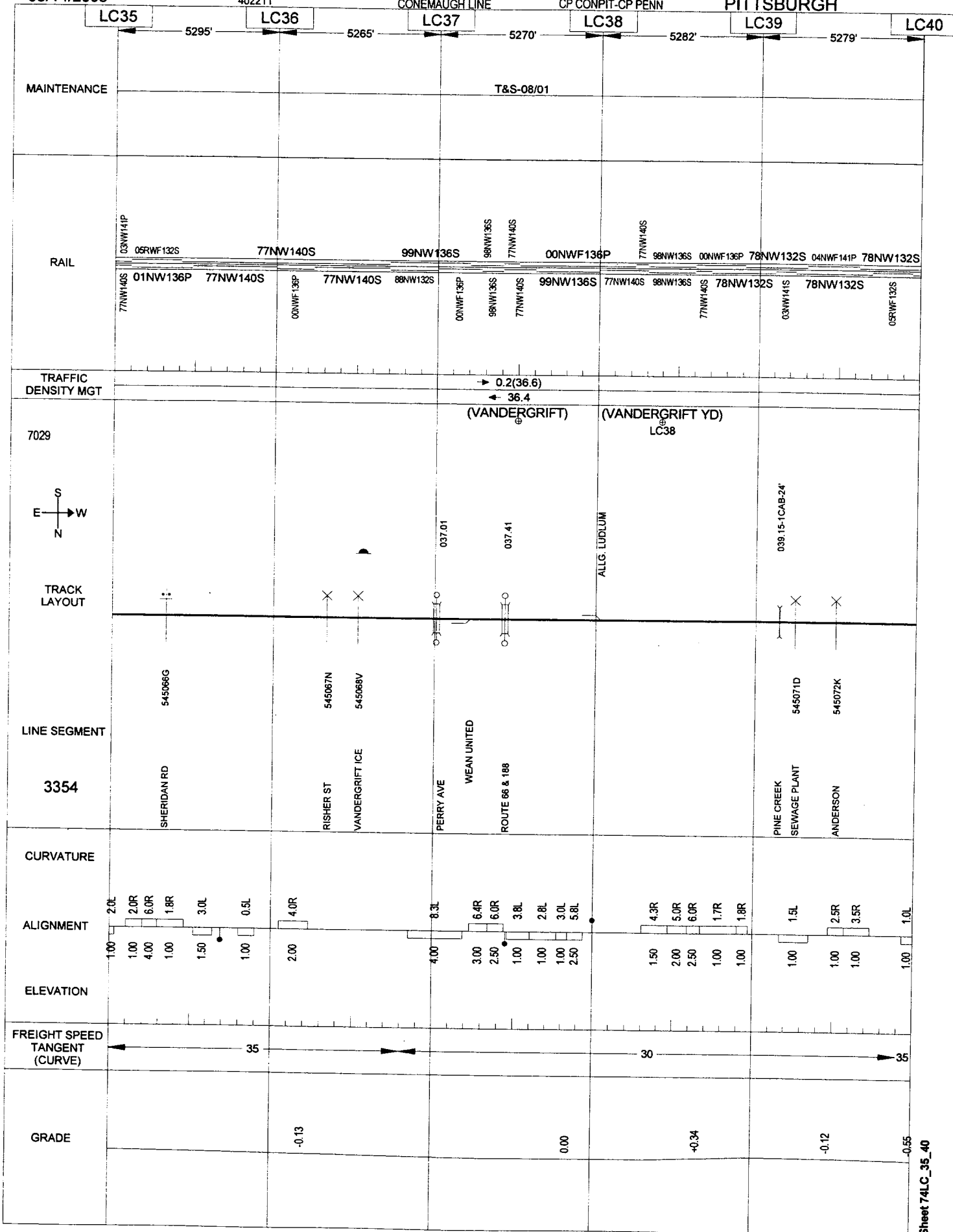
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116

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



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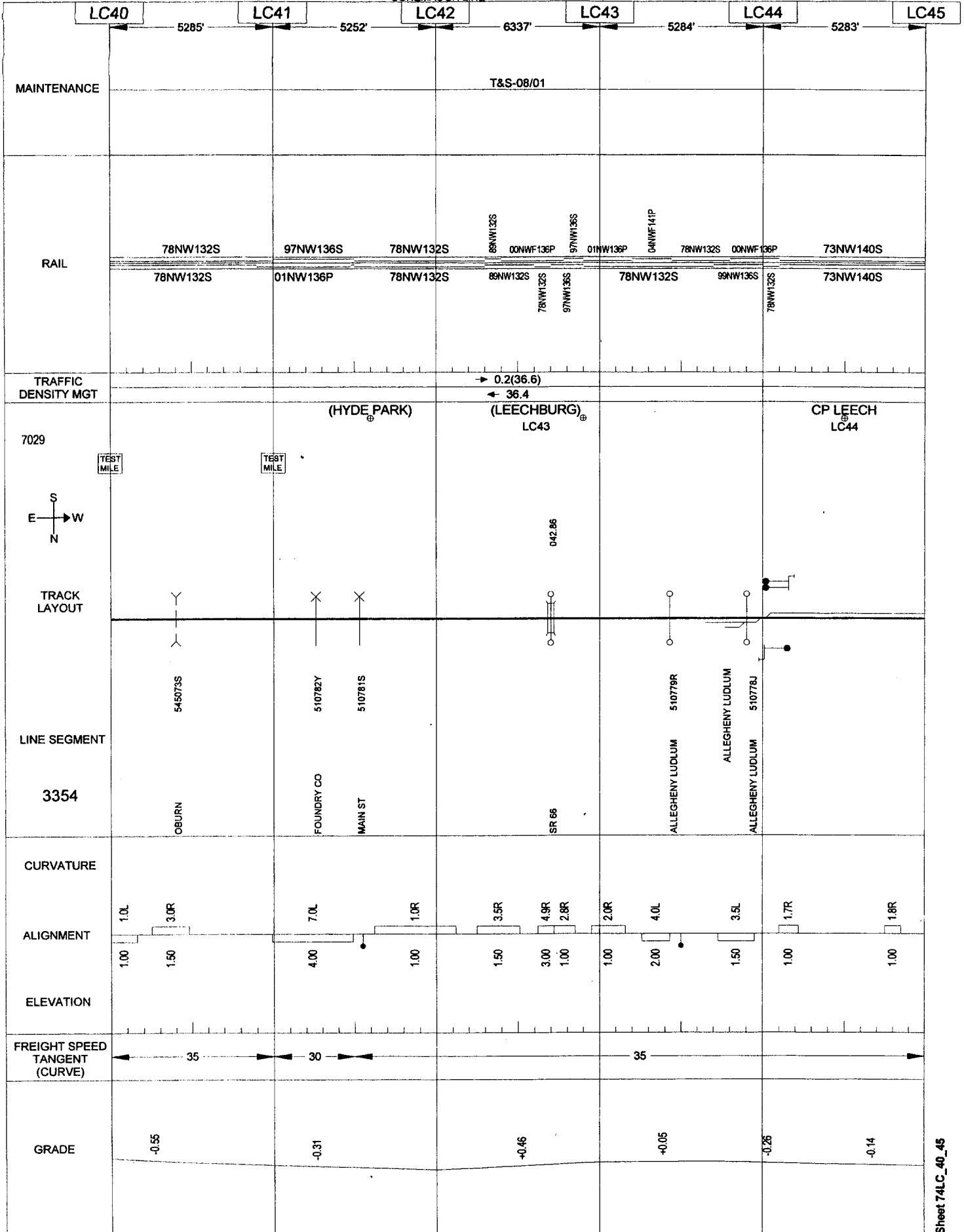
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117

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

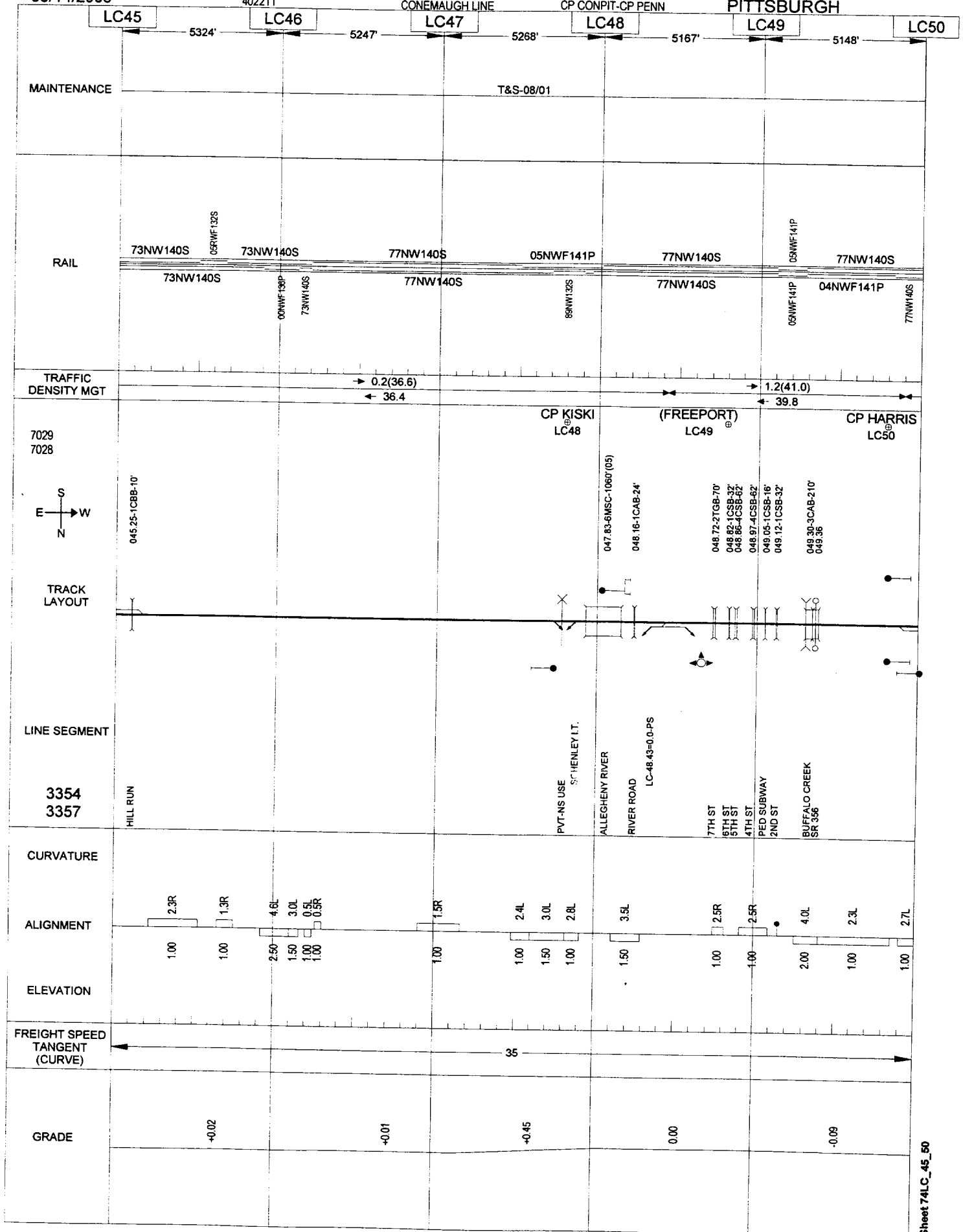
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118

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

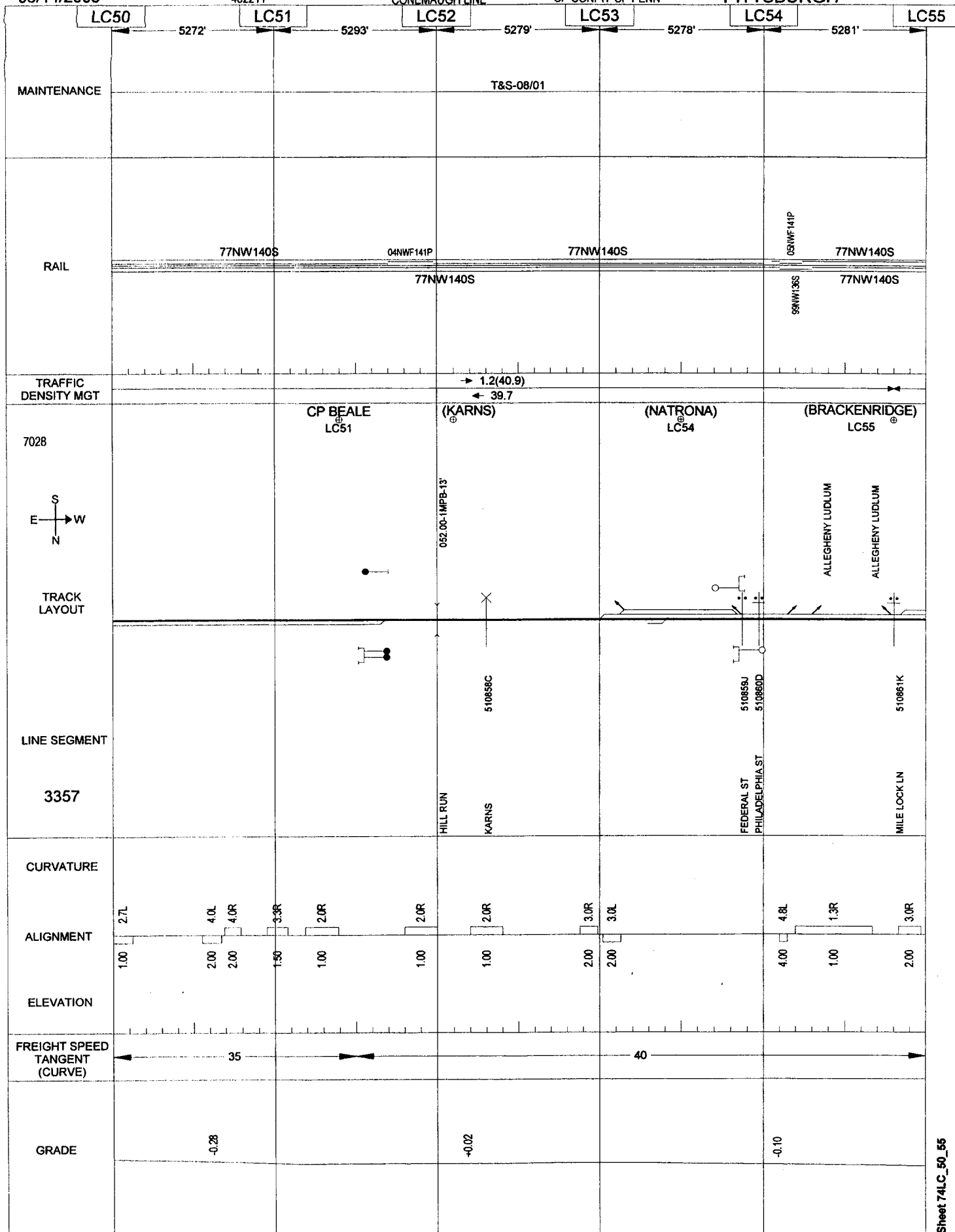
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119

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

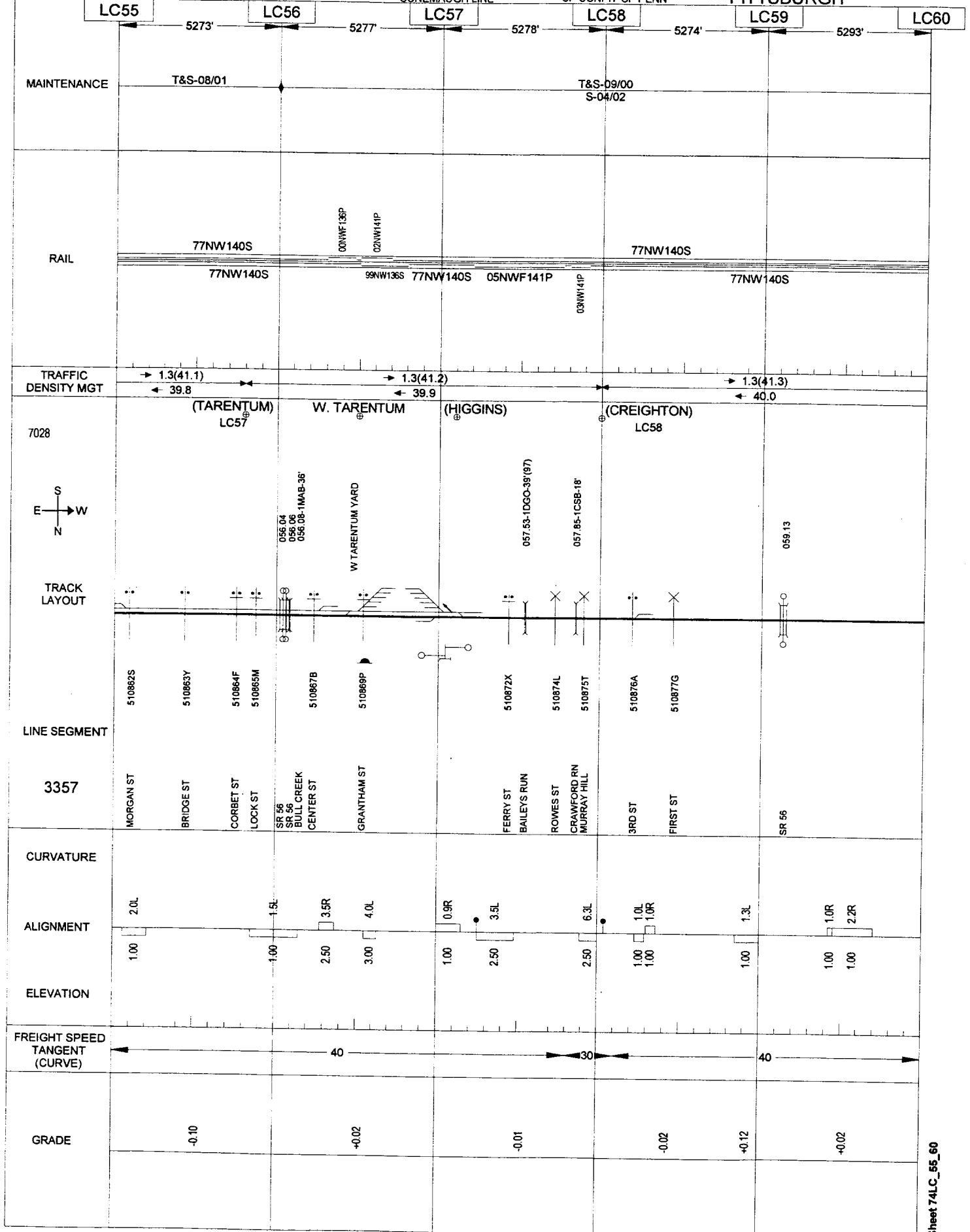
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120

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



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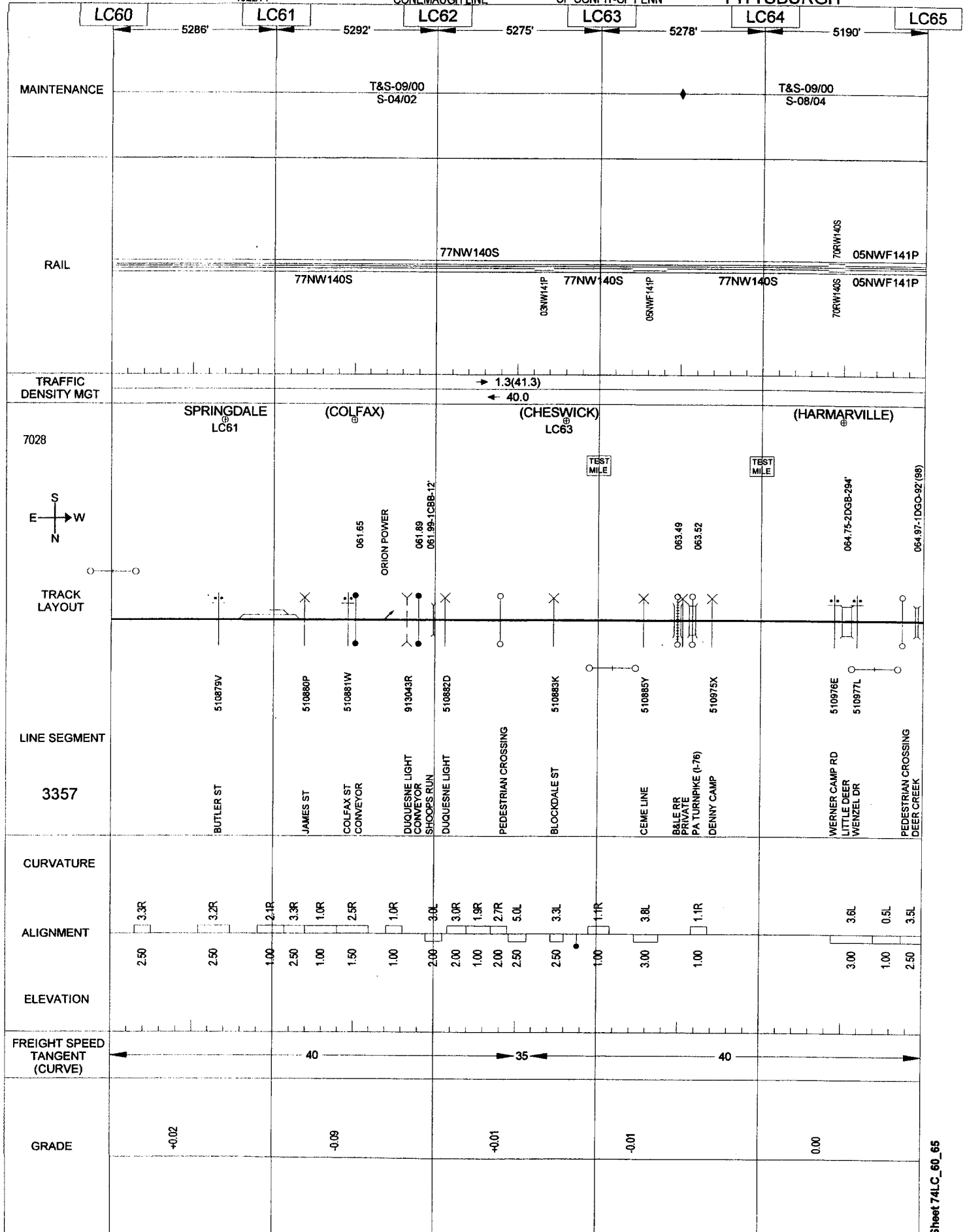
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121

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

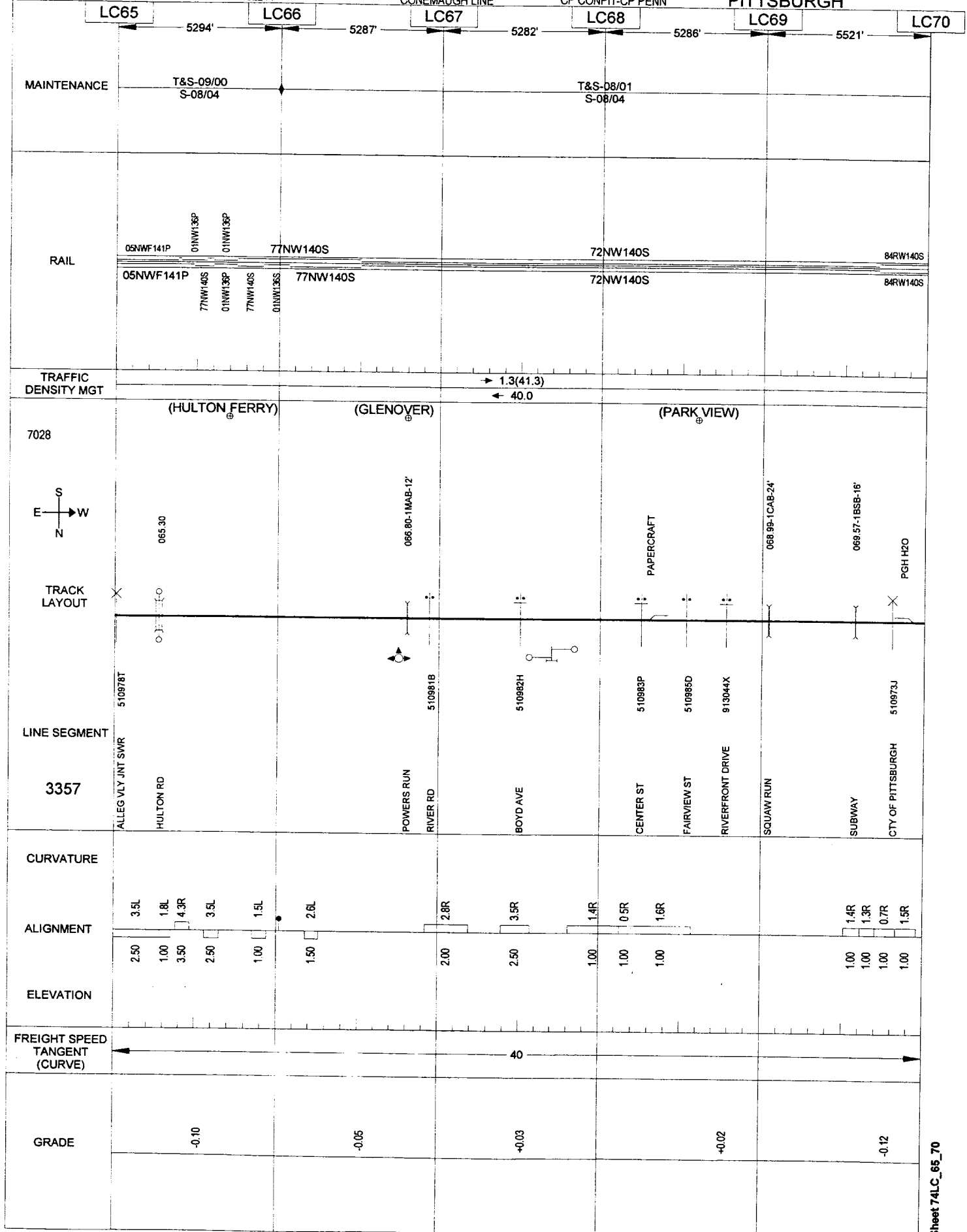
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122

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH





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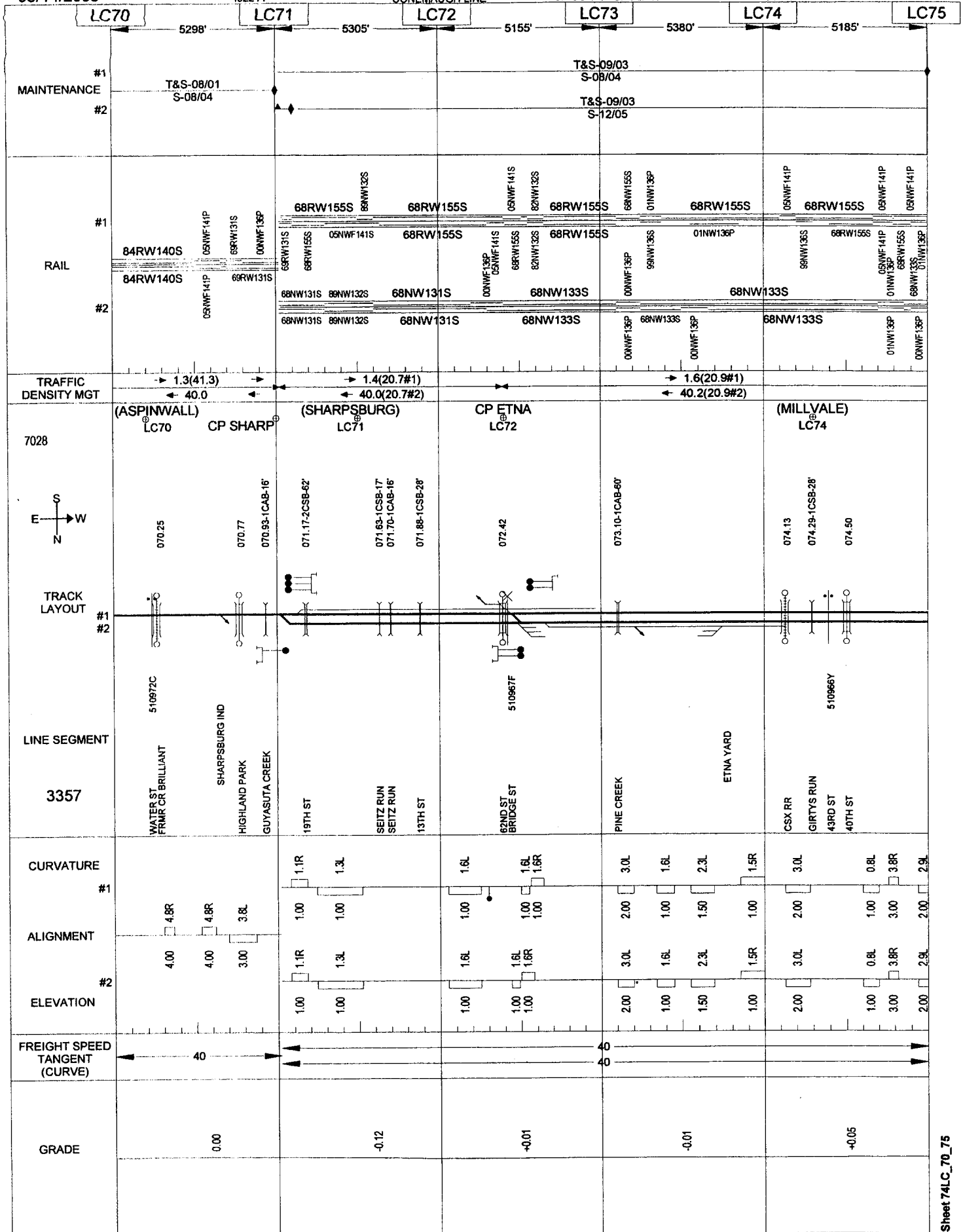
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123

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



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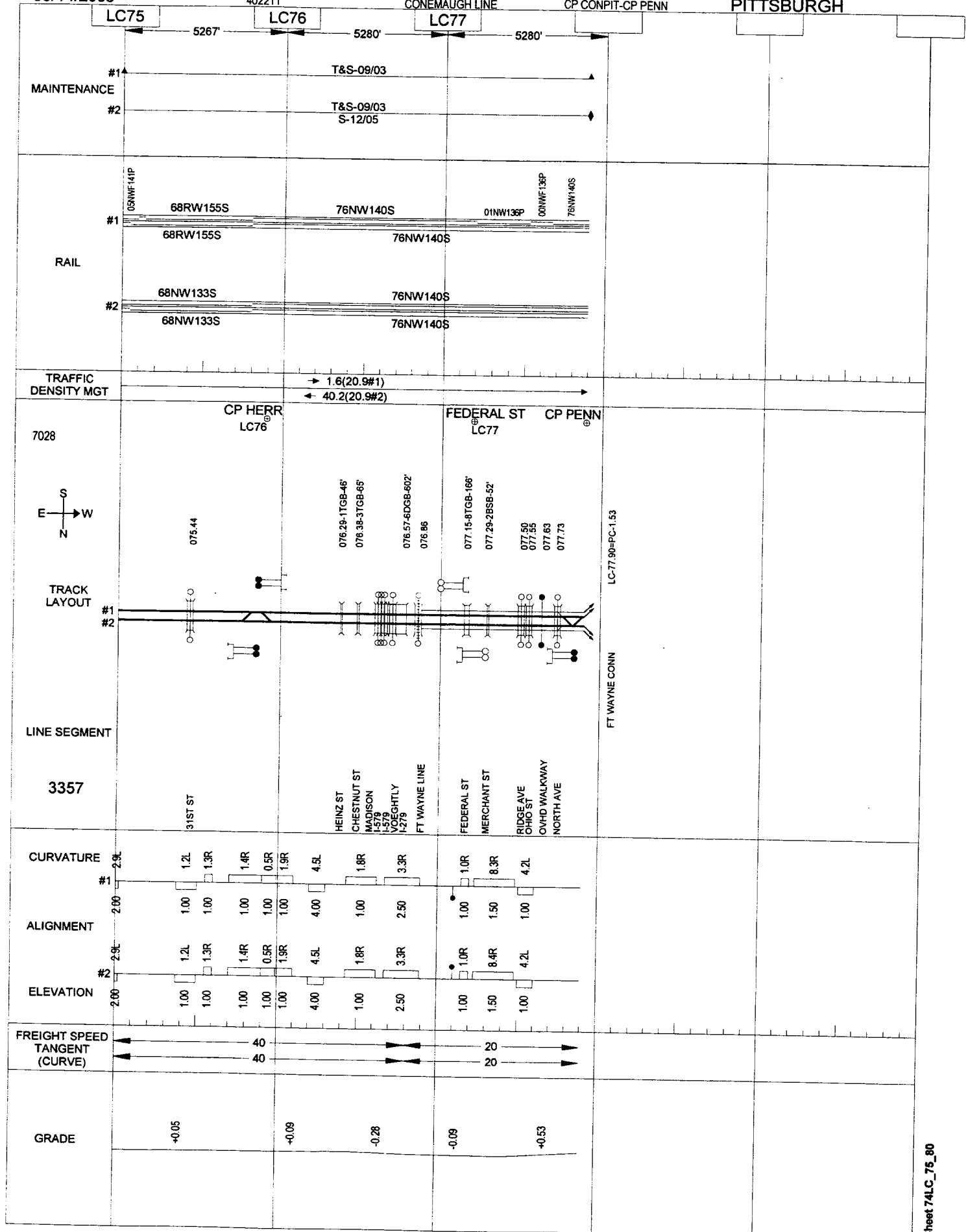
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124

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



06/14/2006

BUFFALO

125

BUFFALO-CONNEAUT

PITTSBURGH

B7

B8

B9

B10

5280'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-09/01

RAIL

80NW131S

80NW132S

78W131S

80NW131S 91NWF 132P

80NW132S

78W131S

TRAFFIC  
DENSITY MGT

11.6(25.3)

13.7

1-NY(NYC&SL)  
2-NY(NYC&SL)

BLASDELL

GB

BLASDELL CORP

ERIE CO

(BAY VIEW)

00009

(ATHOL SPRINGS)

00009

S  
E → W  
NTRACK  
LAYOUT

BEGIN HARRISBURG DIV

006.61

006.17

006.95-1SAB-11'

007.51

007.55-1DGO-22'

GEORGIA PACIFIC

GEORGIA PACIFIC

BRDC

BRDC

009.08

009.85

LINE SEGMENT

7274

BUFFALO SOU CONN

CSXT  
OVERHEAD STRUCTURE  
ACCESS RDBS RR M 21 M-NS  
WATERWAY

LAKE AVE

471711T

MILE STRIP RD  
RUSH CREEK

471712A

BAYVIEW RD

471713G

TO CSX

BIG TREE RD

471714N

CAMP RD (RTE 75)

471715V

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

35

50

GRADE

-0.12

-0.31

-0.66

-0.27

0.00

-0.37

-0.44

-0.74

0.00

-0.38

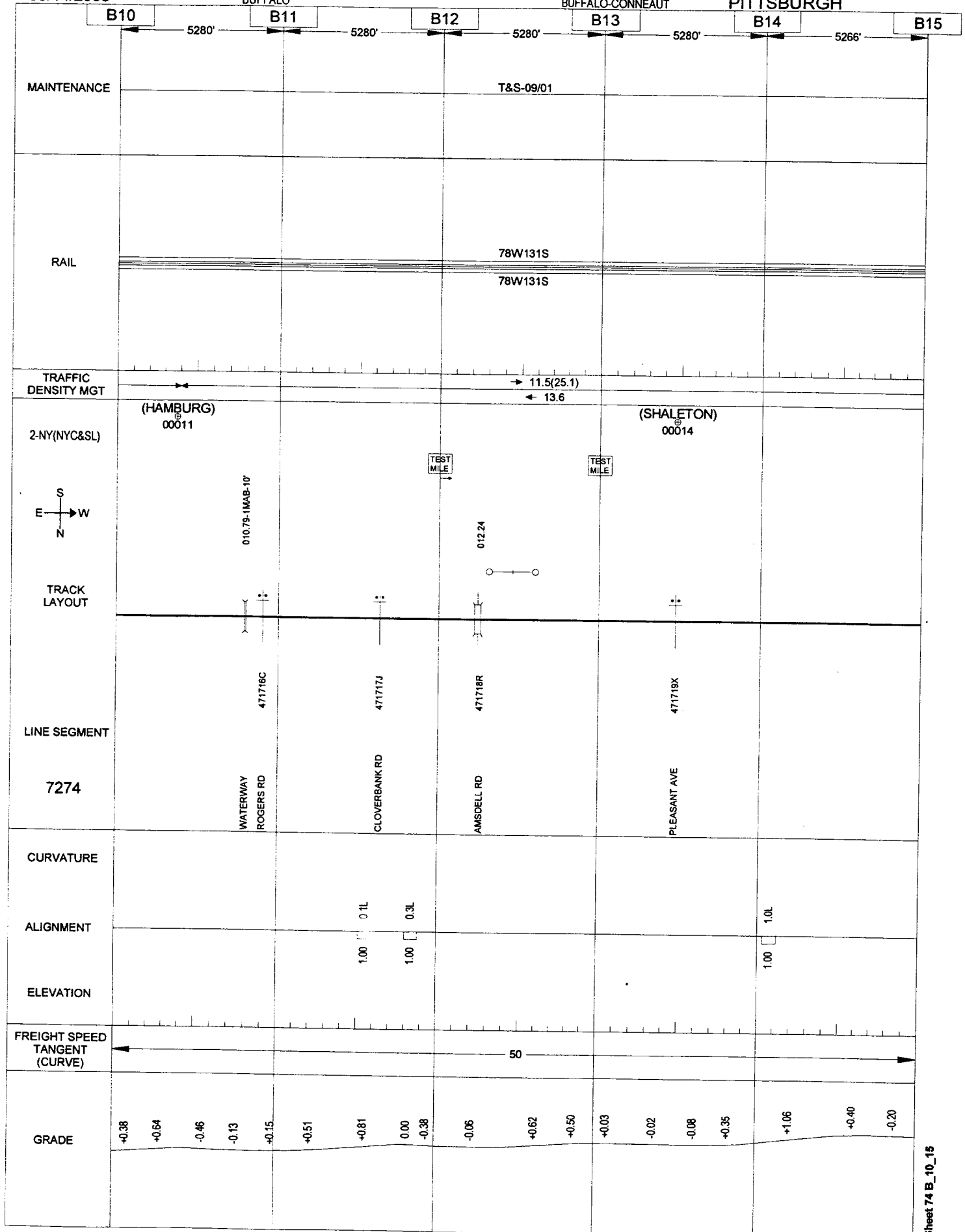
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126

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



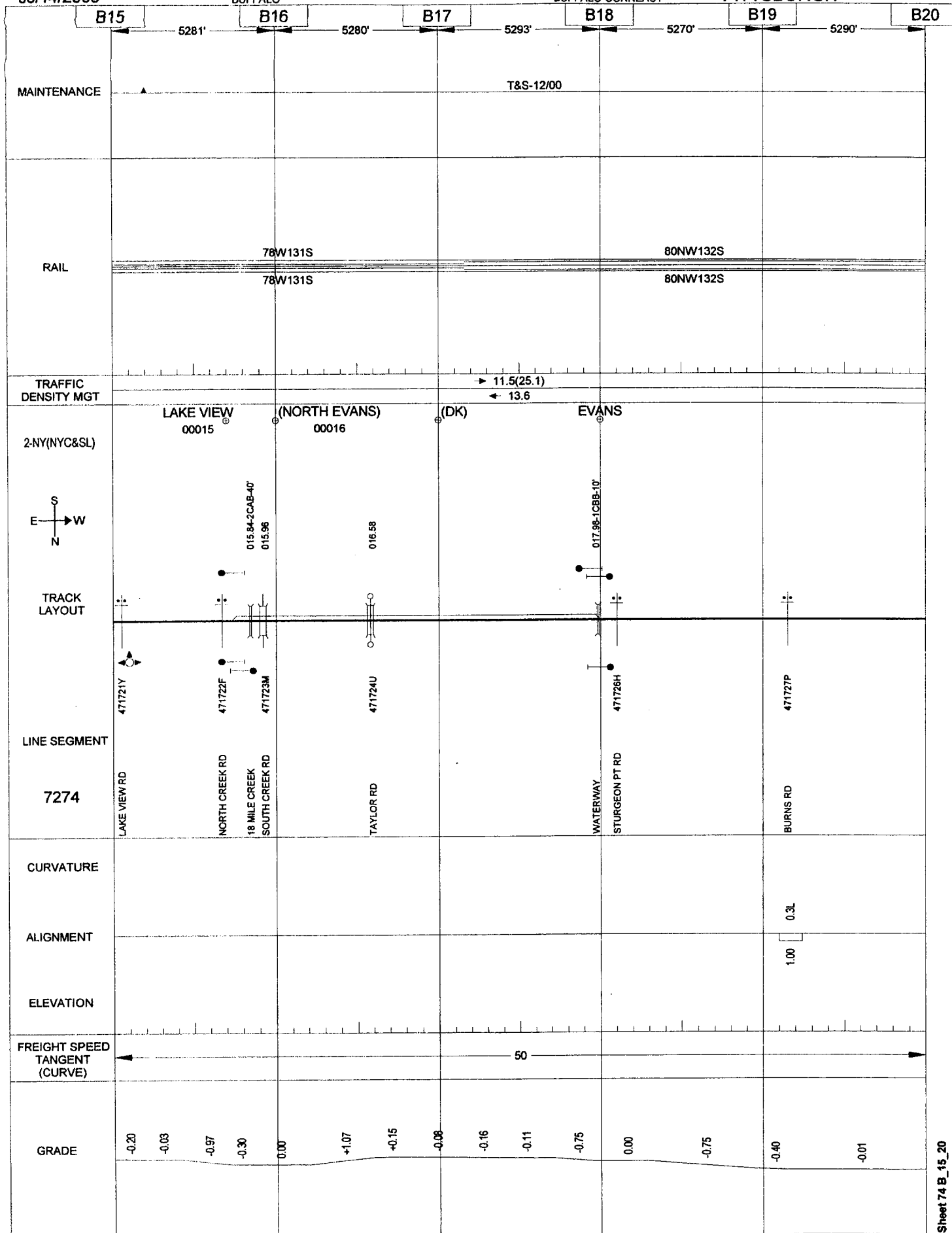
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127

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



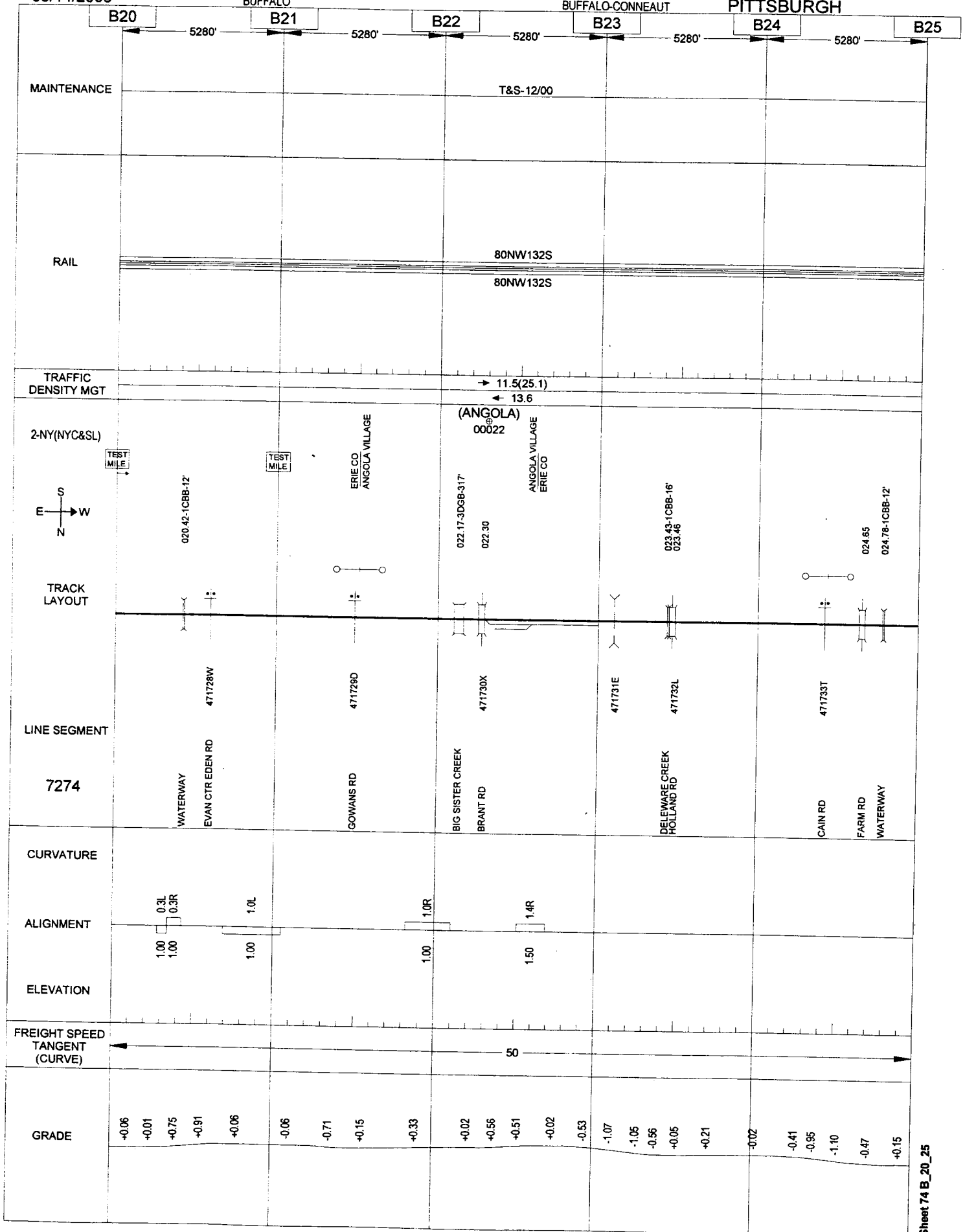
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128

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



Sheet 74 B\_25\_30

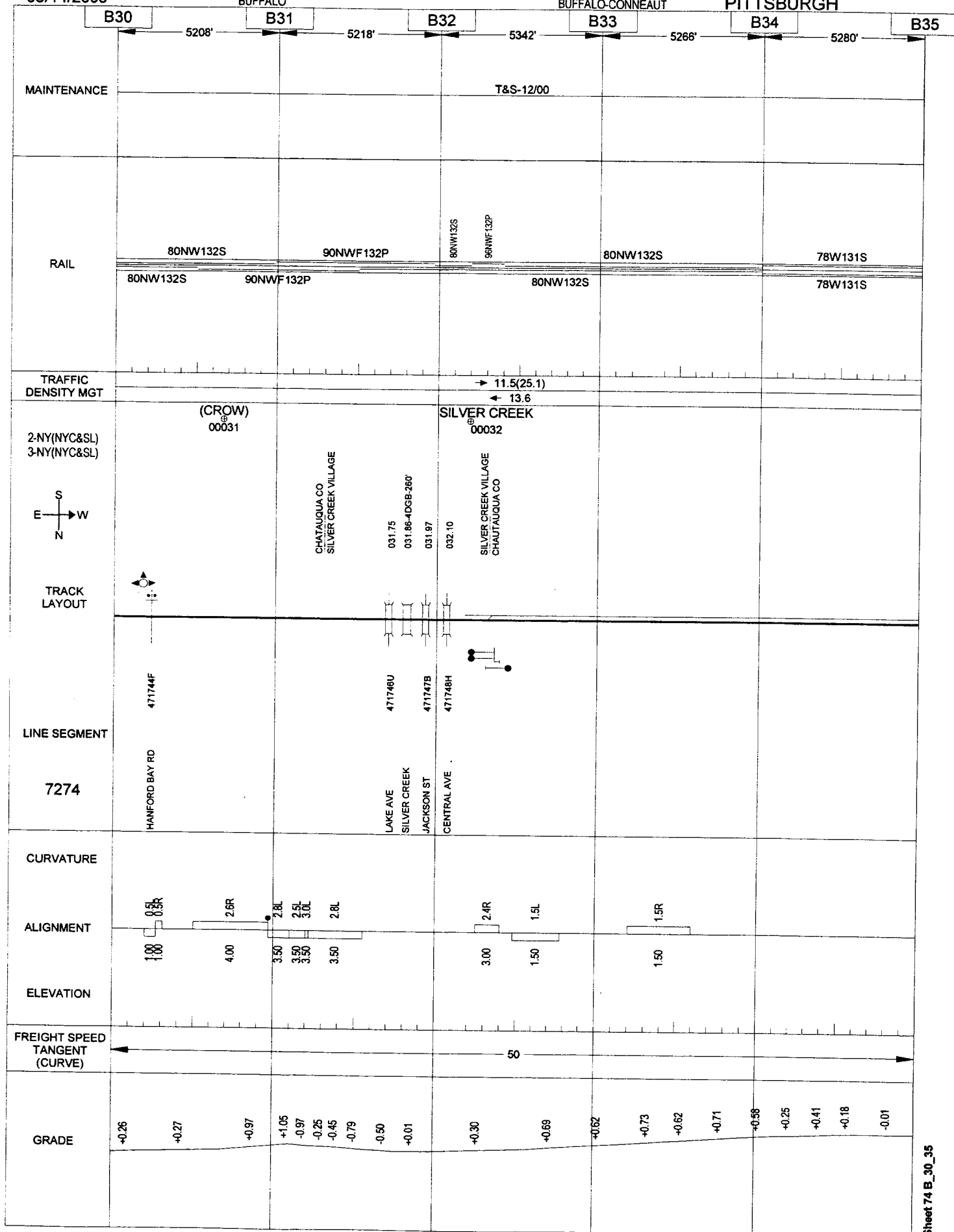
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130

BUFFALO

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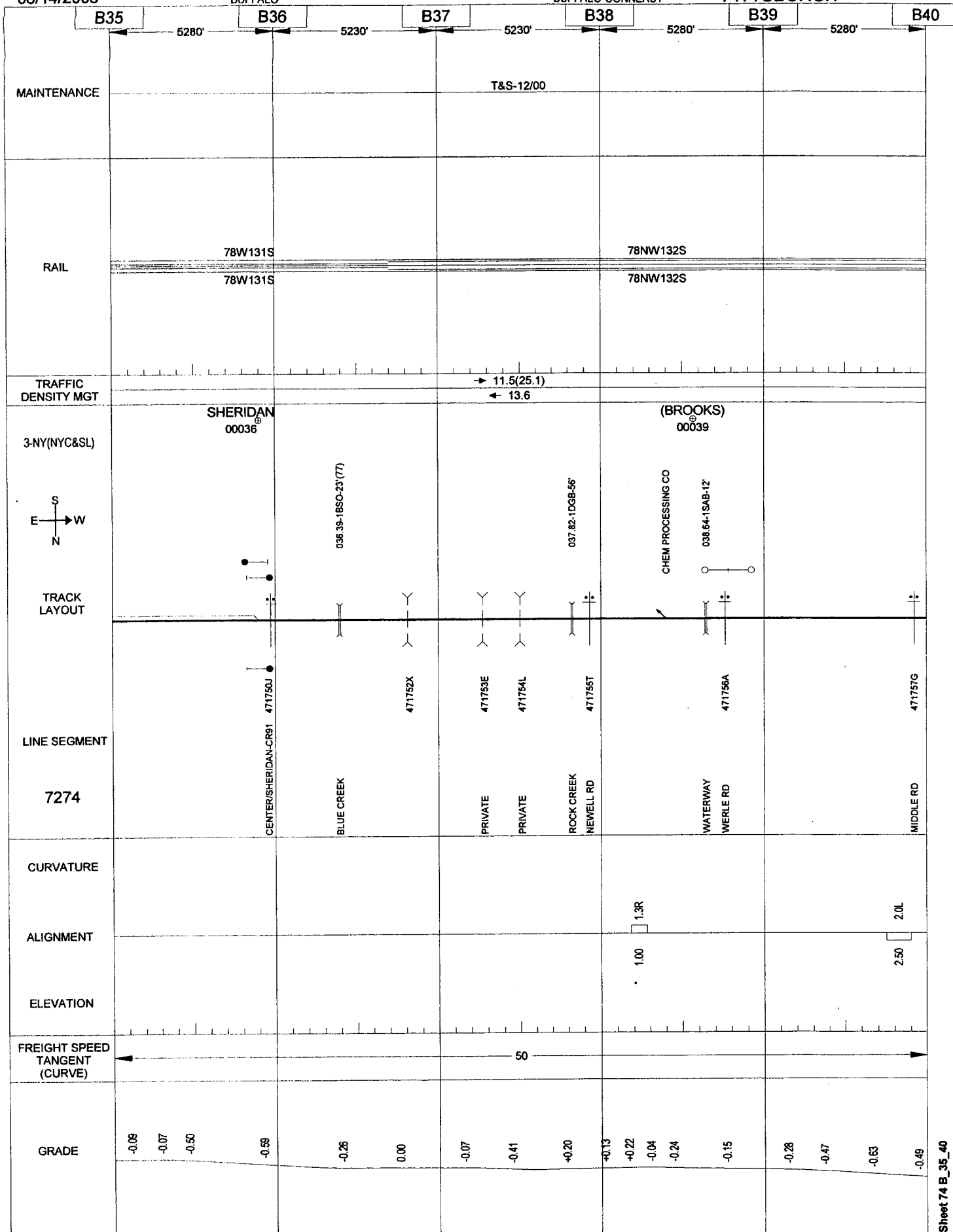
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131

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



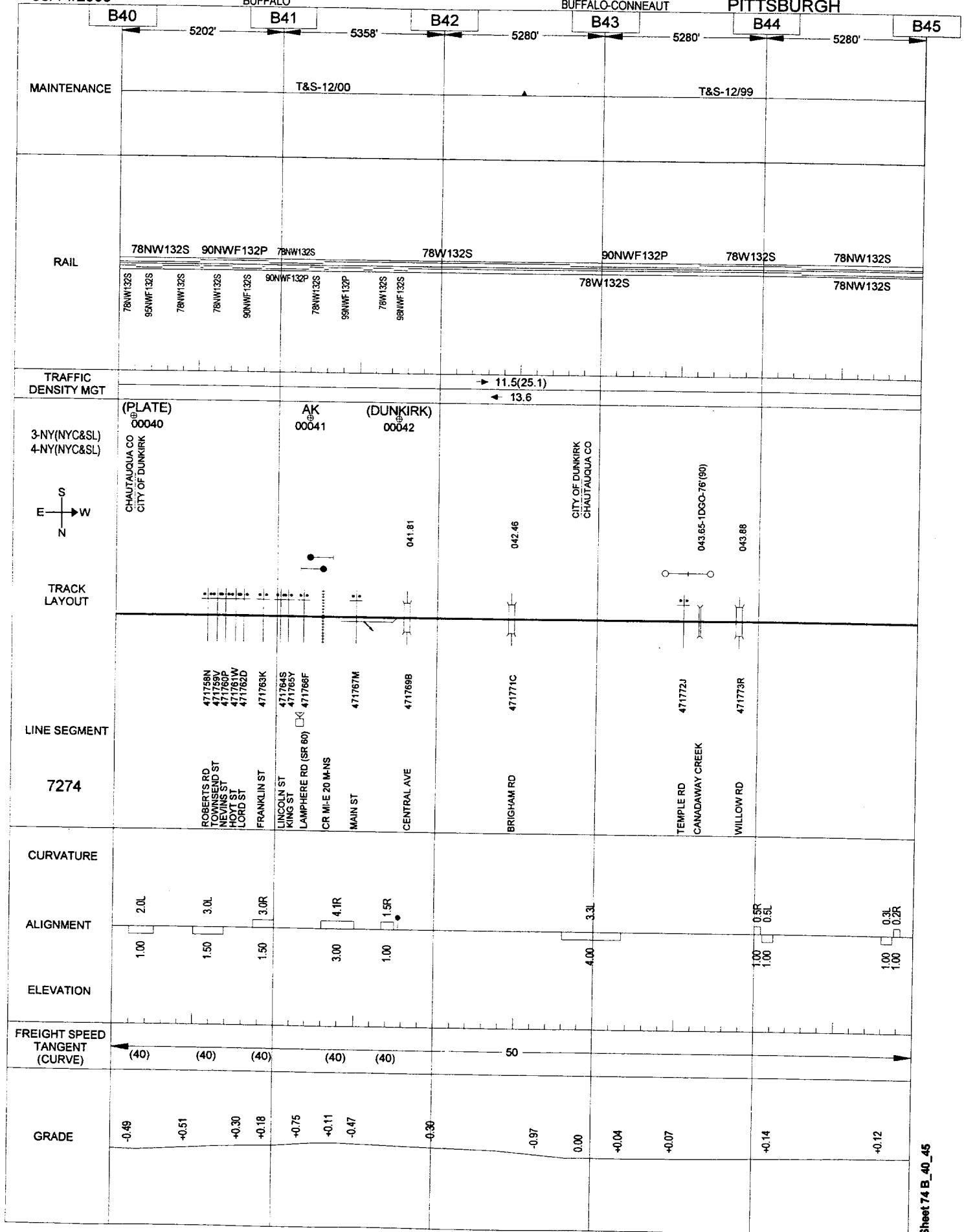
06/14/2006

132

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



06/14/2006

133

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH

B45

B46

B47

B48

B49

B50

5223'

5337'

5280'

5280'

5280'

MAINTENANCE

T&amp;S-12/99

RAIL

78NW132S

78NW132S

96NW132P

78NW132S

TRAFFIC  
DENSITY MGT→ 11.5(25.1)  
← 13.6

4-NY(NYC&amp;SL)

(VAN BUREN)  
00045CHAUTAUQUA CO  
BROCKTON VILLAGES  
E → W  
N

047.06-10GO-51'(77)

048.43  
048.51

049.66

TRACK  
LAYOUT47174X  
VAN BUREN RD471775E  
BERRY RD (CR 618)471776L  
NORTH RD  
LITTLE CANADAWAY471778A  
MARTIN RD471780B  
471780B  
I-90 WB  
I-90 EB471781H  
LAKE AVE (CR 380)

LINE SEGMENT

7274

CURVATURE

ALIGNMENT

ELEVATION

2.0R  
2.50FREIGHT SPEED  
TANGENT  
(CURVE)

50

GRADE

+0.12

+0.13

+0.20

+0.10

+0.25

+0.45

+0.26

+0.42

+0.46

+0.51

+0.48

+0.29

+0.10

-0.40

-0.02

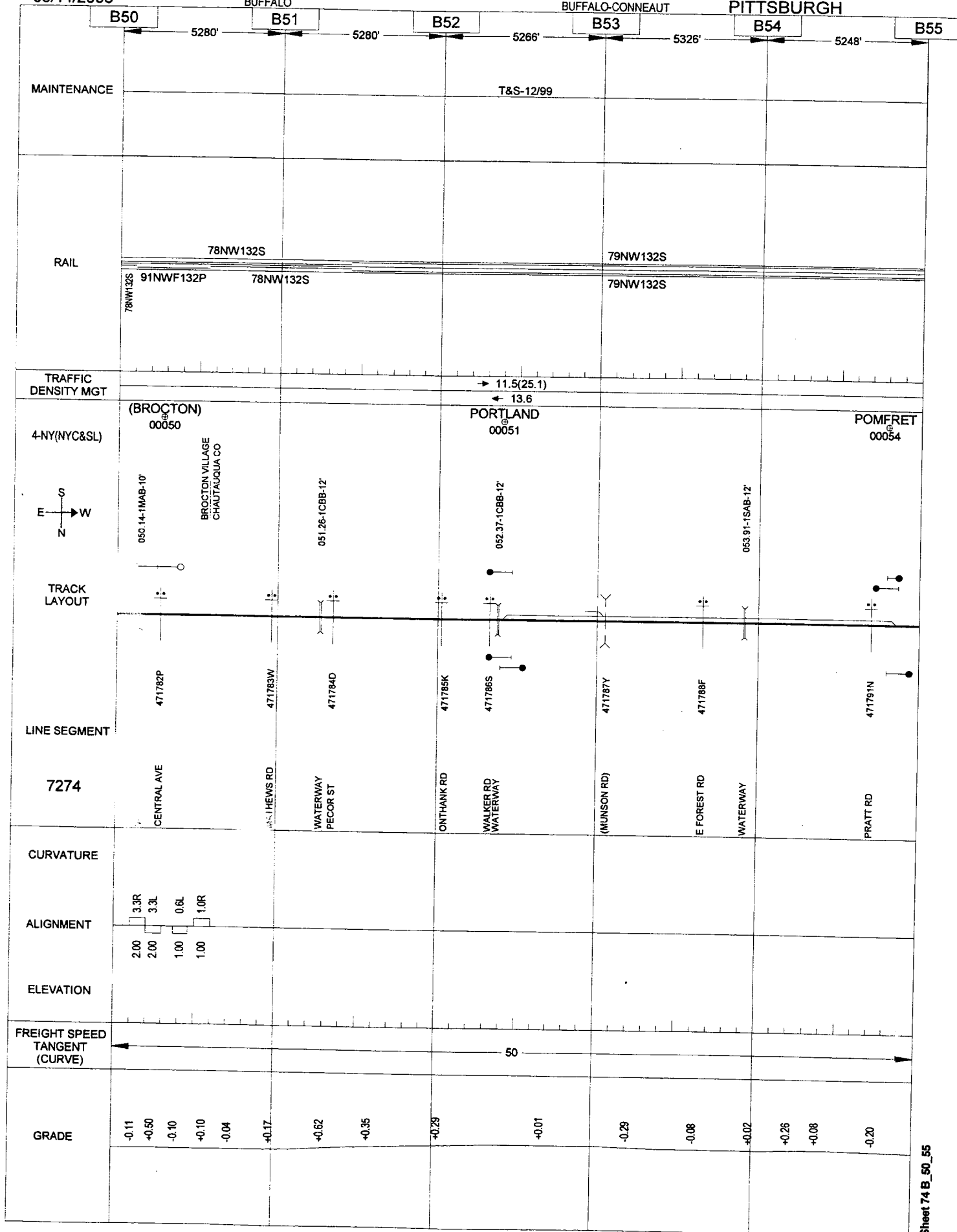
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134

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



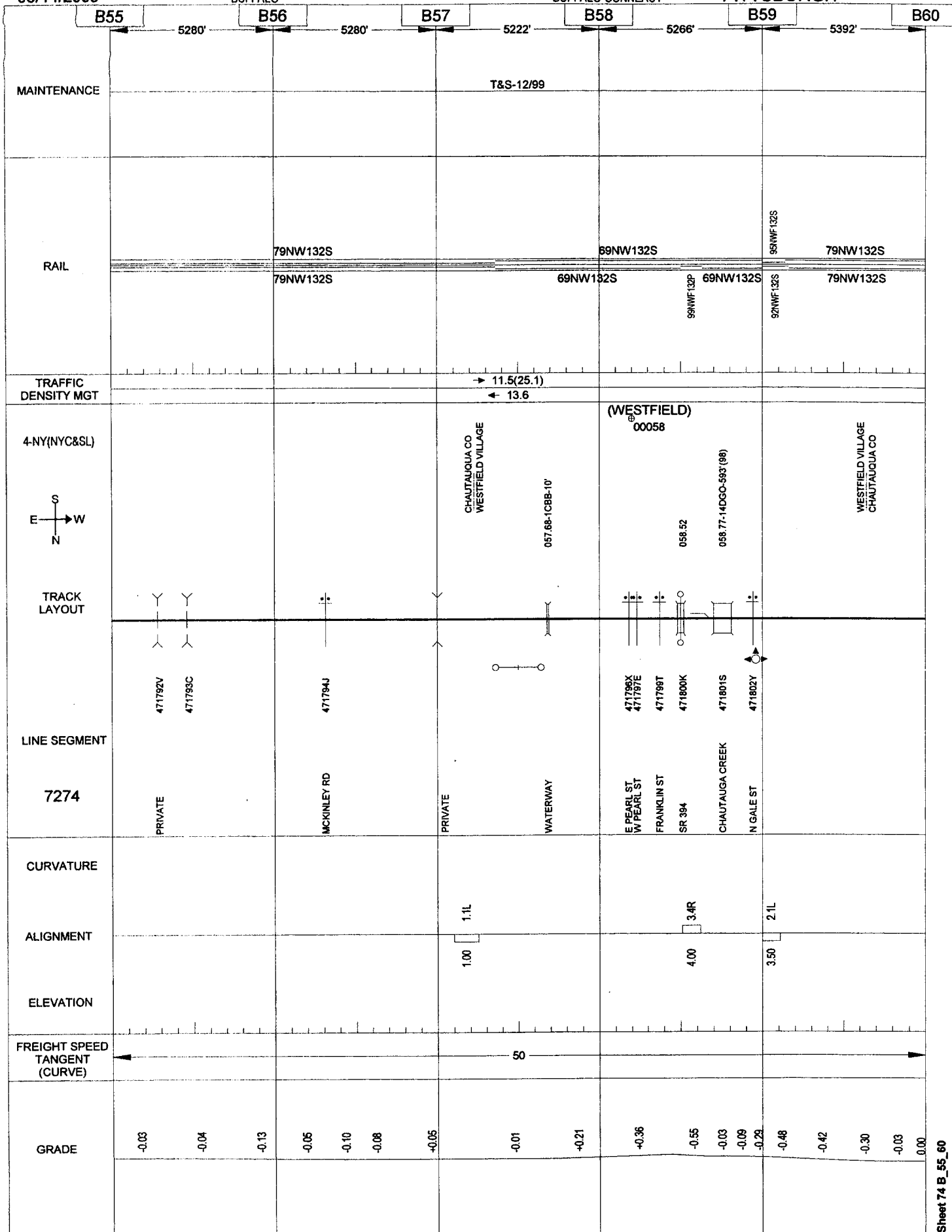
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135

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



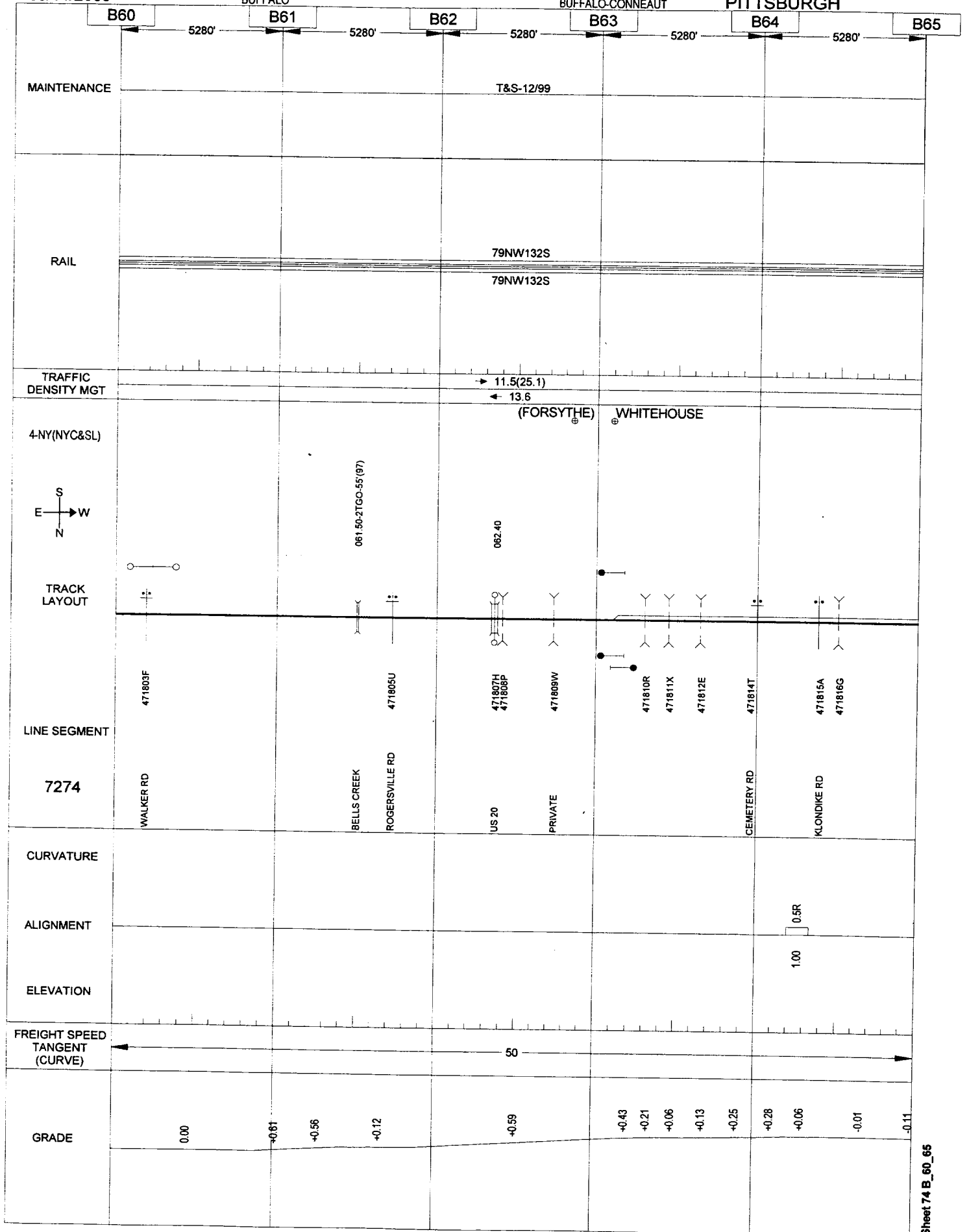
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136

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



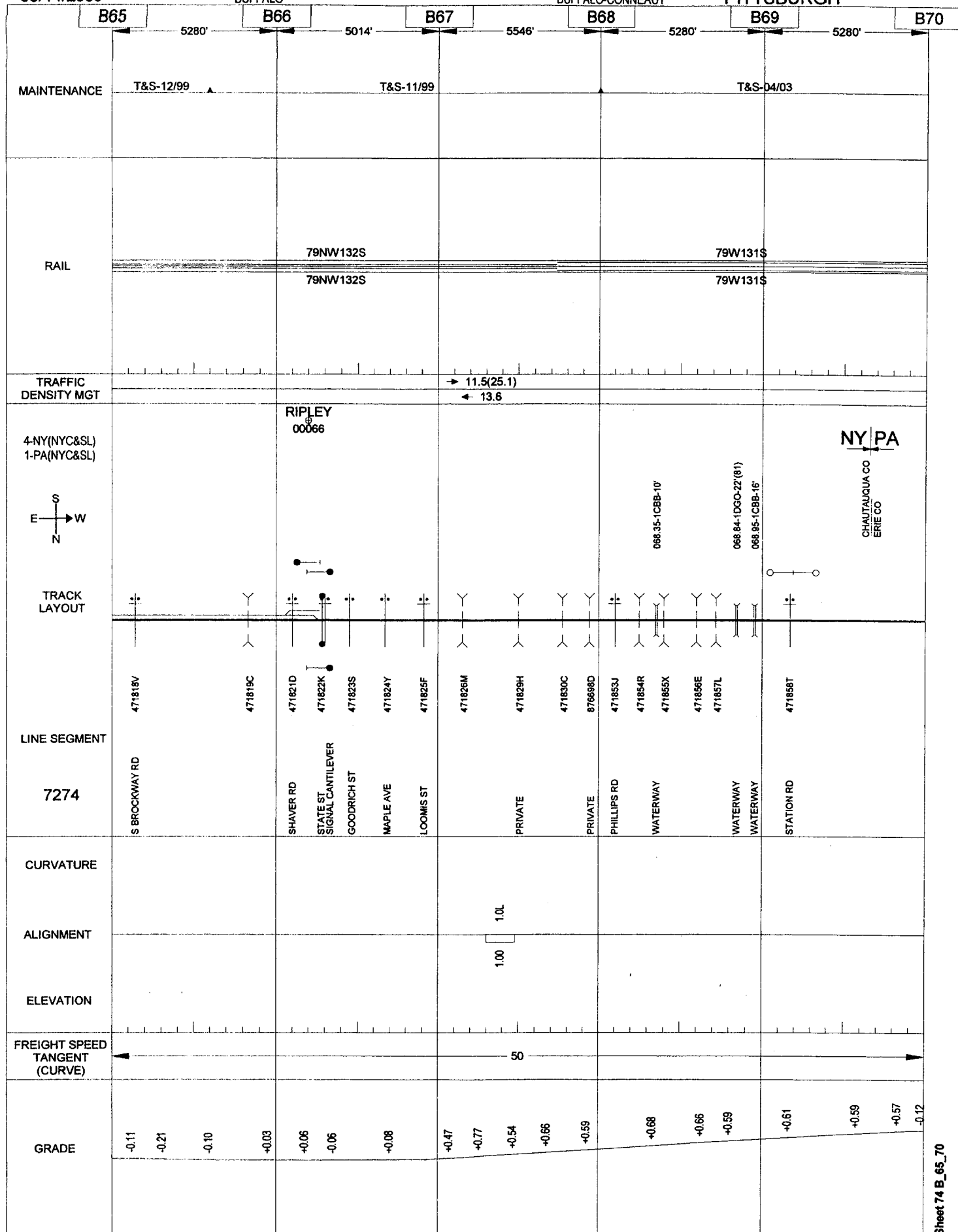
06/14/2006

137

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



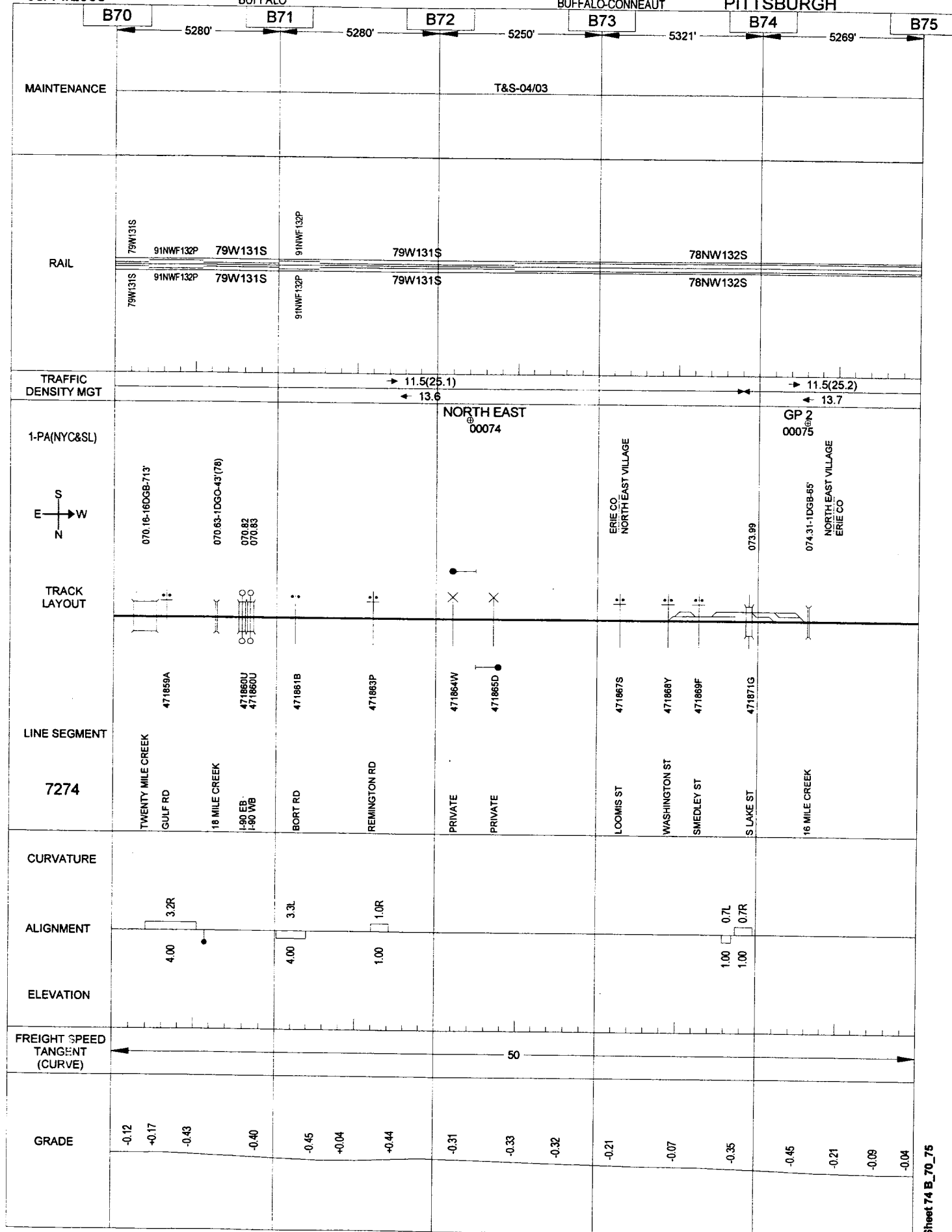
06/14/2006

138

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH





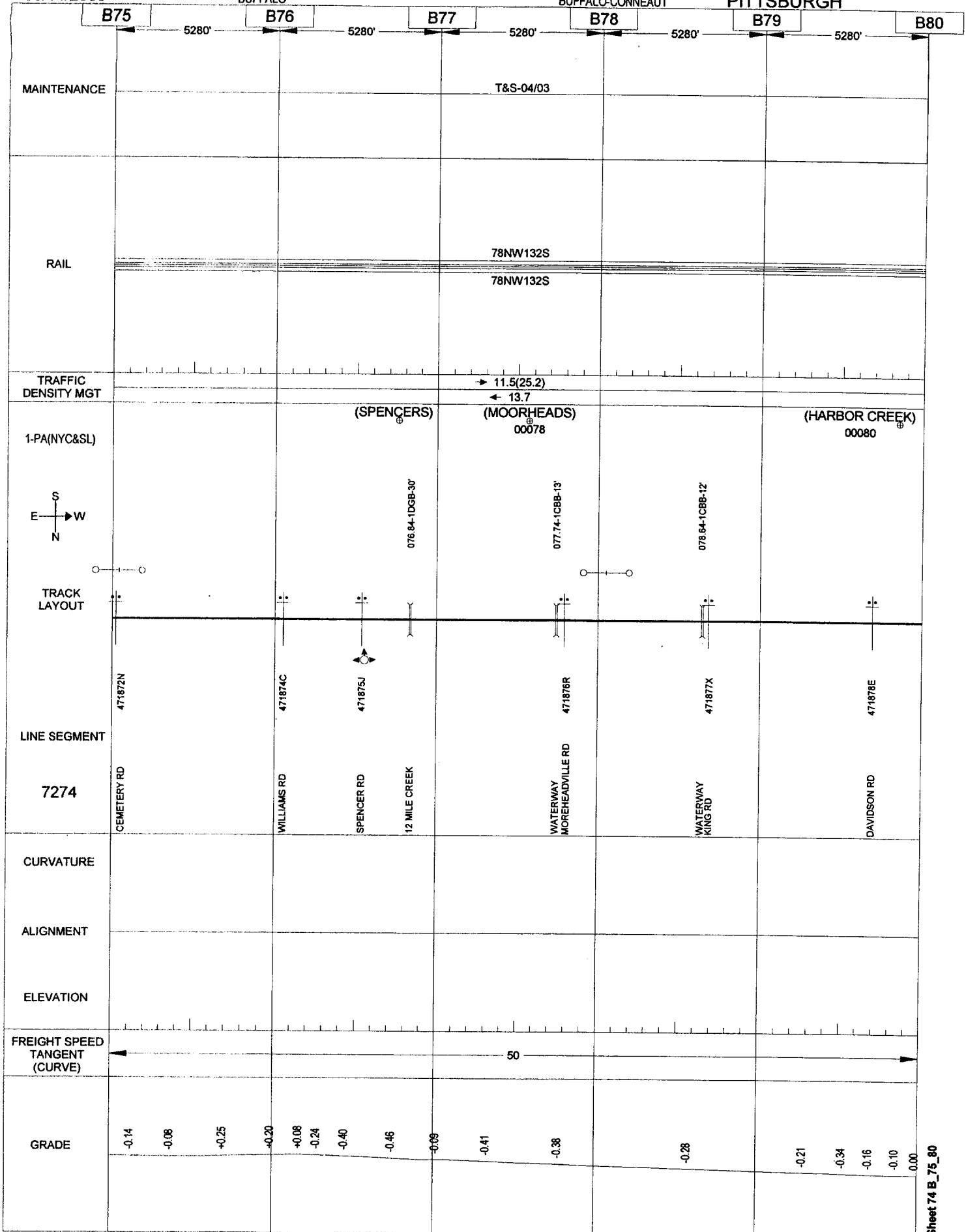
06/14/2006

139

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



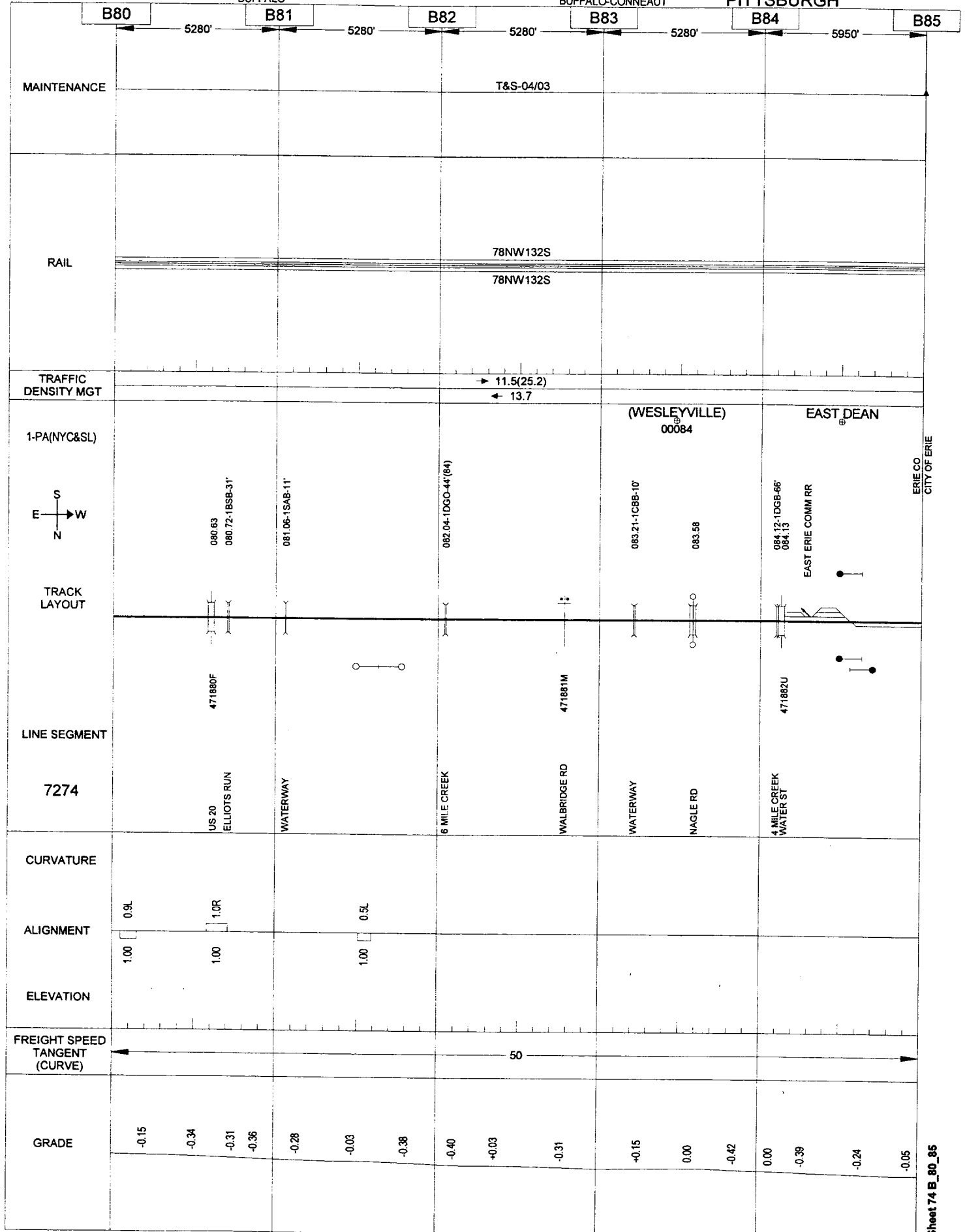
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140

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



## PITTSBURGH



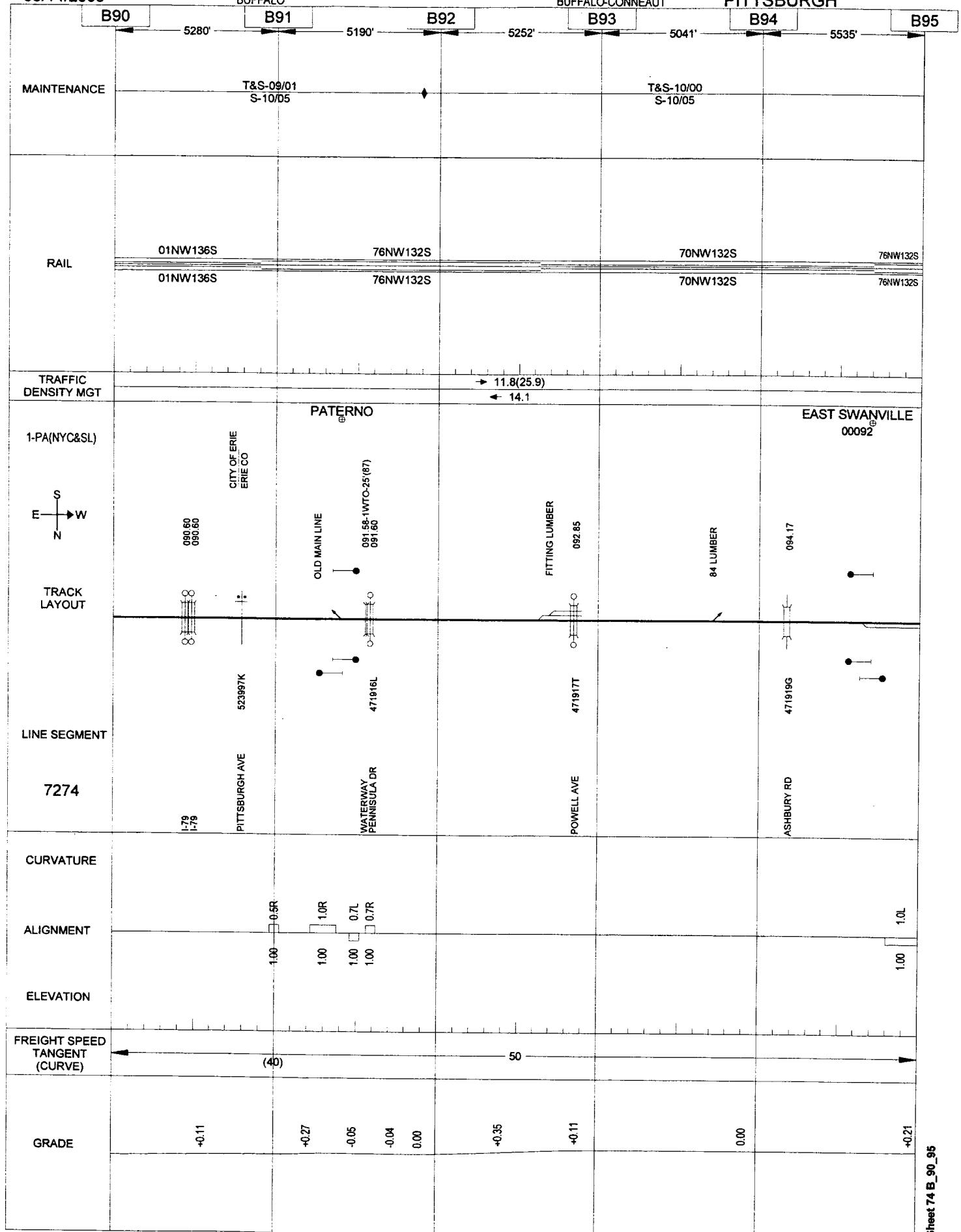
06/14/2006

142

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



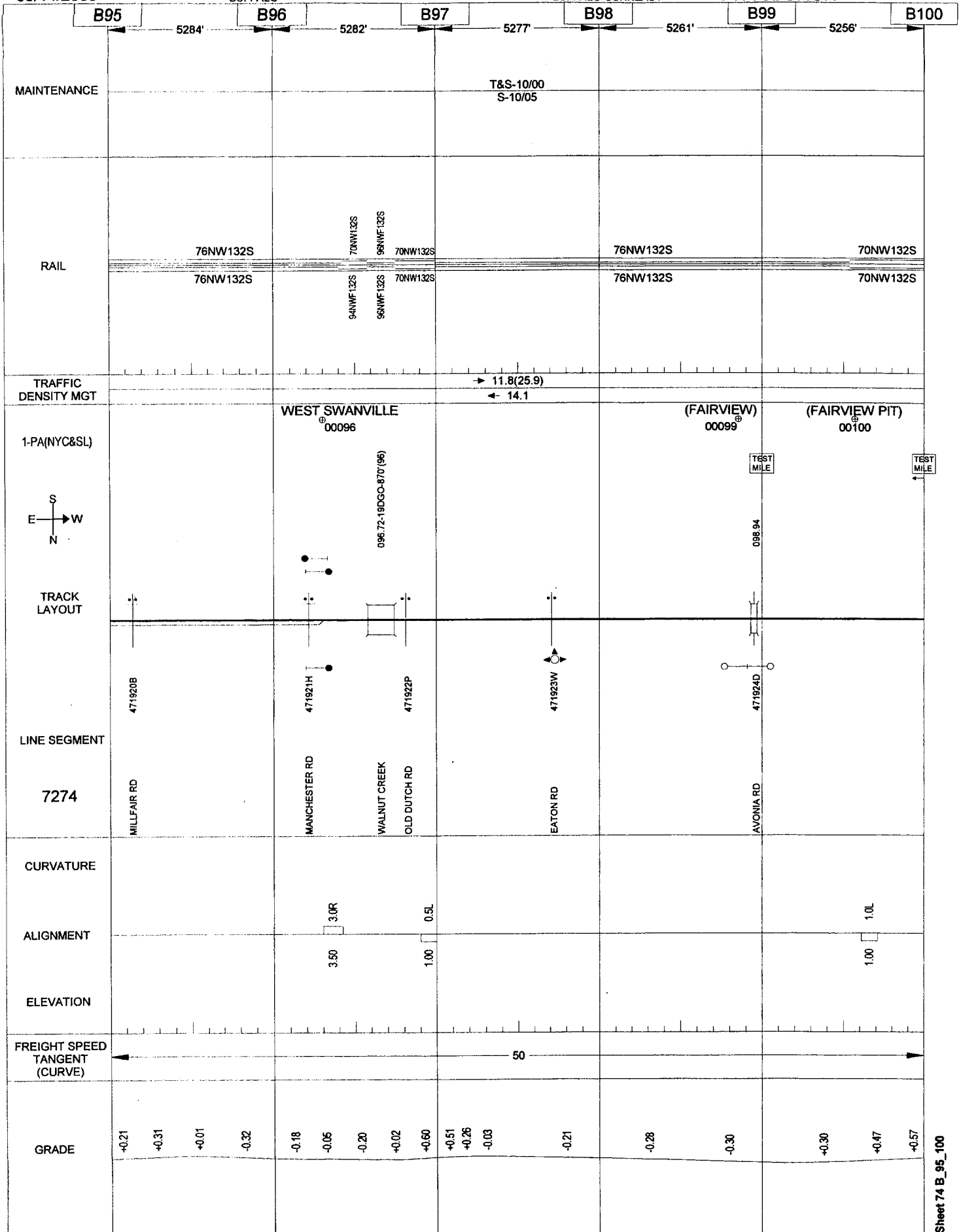
06/14/2006

143

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



06/14/2006

144

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH

B100

B101

B102

B103

B104

B105

5364'

5220'

5311'

5844'

4698'

MAINTENANCE

T&S-10/00  
S-10/05

RAIL

70NW132S

70NW132S

70NW132S

70NW132S

70NW132S

70NW132S

02NW132S

98NW132S

92NW132P

97NW132S

96NW132S

TRAFFIC  
DENSITY MGT

11.8(25.9)  
14.1

1-PA(NYC&SL)

EAST GIRARD  
00113

WEST GIRARD  
00114

(ELK CREEK)  
00105

S  
E  
N  
W

101.34-1CBB-12'

TO WALLACE JCT

ERIE CO  
GIRARD

GIRARD  
ERIE CO

103.89-33DGO-1471'(87)

104.67-1MAB-10'

TRACK  
LAYOUT

LINE SEGMENT

7274

BLAIR RD  
471925K

FAIRPLAIN RD (T 480)  
471926S

WATERWAY

471929M

HAGERTY RD  
471930G

MECHANIC RD  
471931N

RICE AVE  
471932V

LAKE AVE  
471933C

ELK CREEK

ELK PARK RD  
876678S

SPRING CREEK

W MIDDLE RD  
471937E

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

50

50

GRADE

+0.17

-0.21

+0.03

+0.10

+0.22

+0.15

-0.07

-0.13

-0.05

-0.09

+0.15

-0.41

-0.39

-0.31

-0.49

-0.19

+0.10

+0.15

+0.42

+0.57

+0.53

+0.12

Sheet 74 B\_100\_105

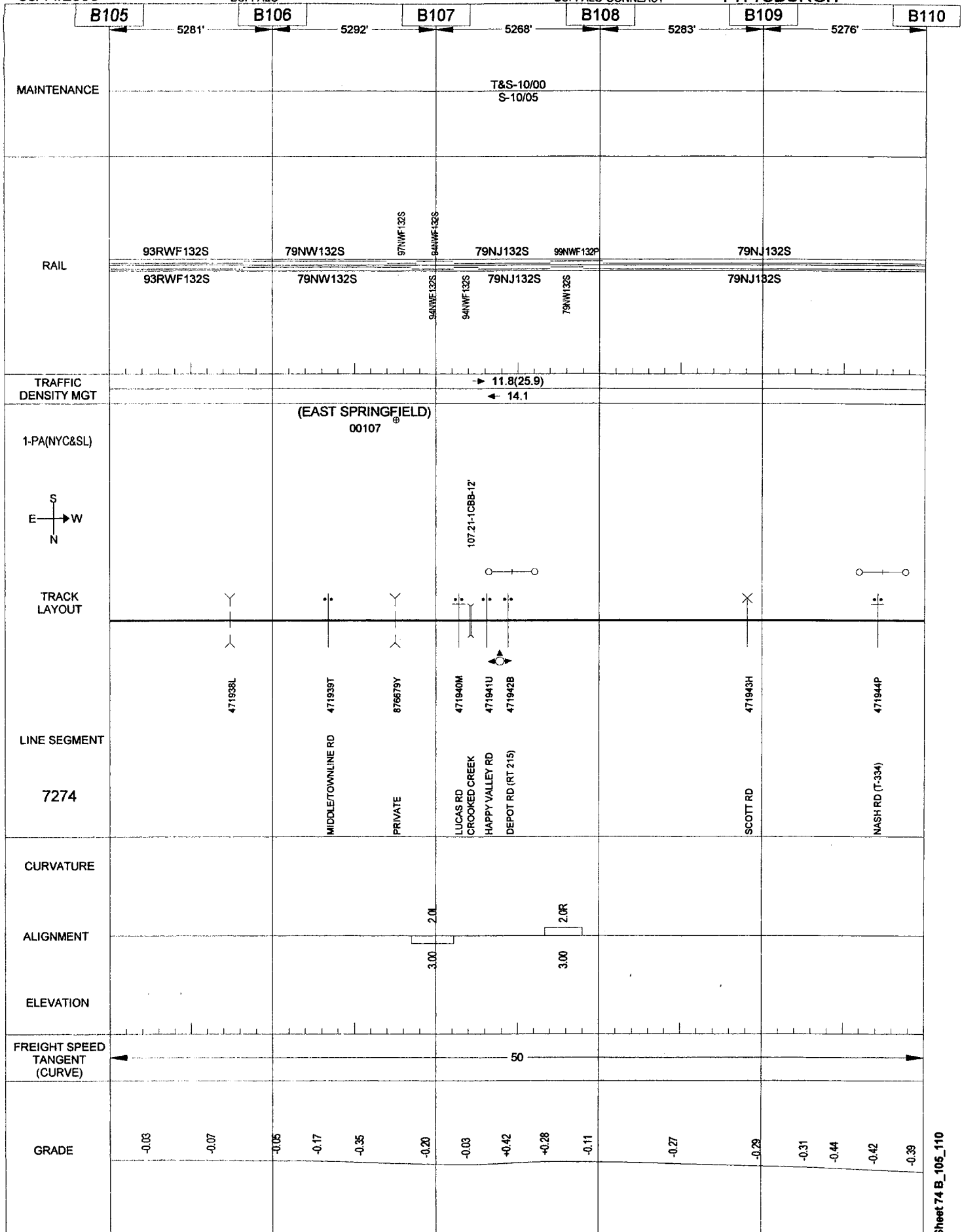
06/14/2006

145

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH



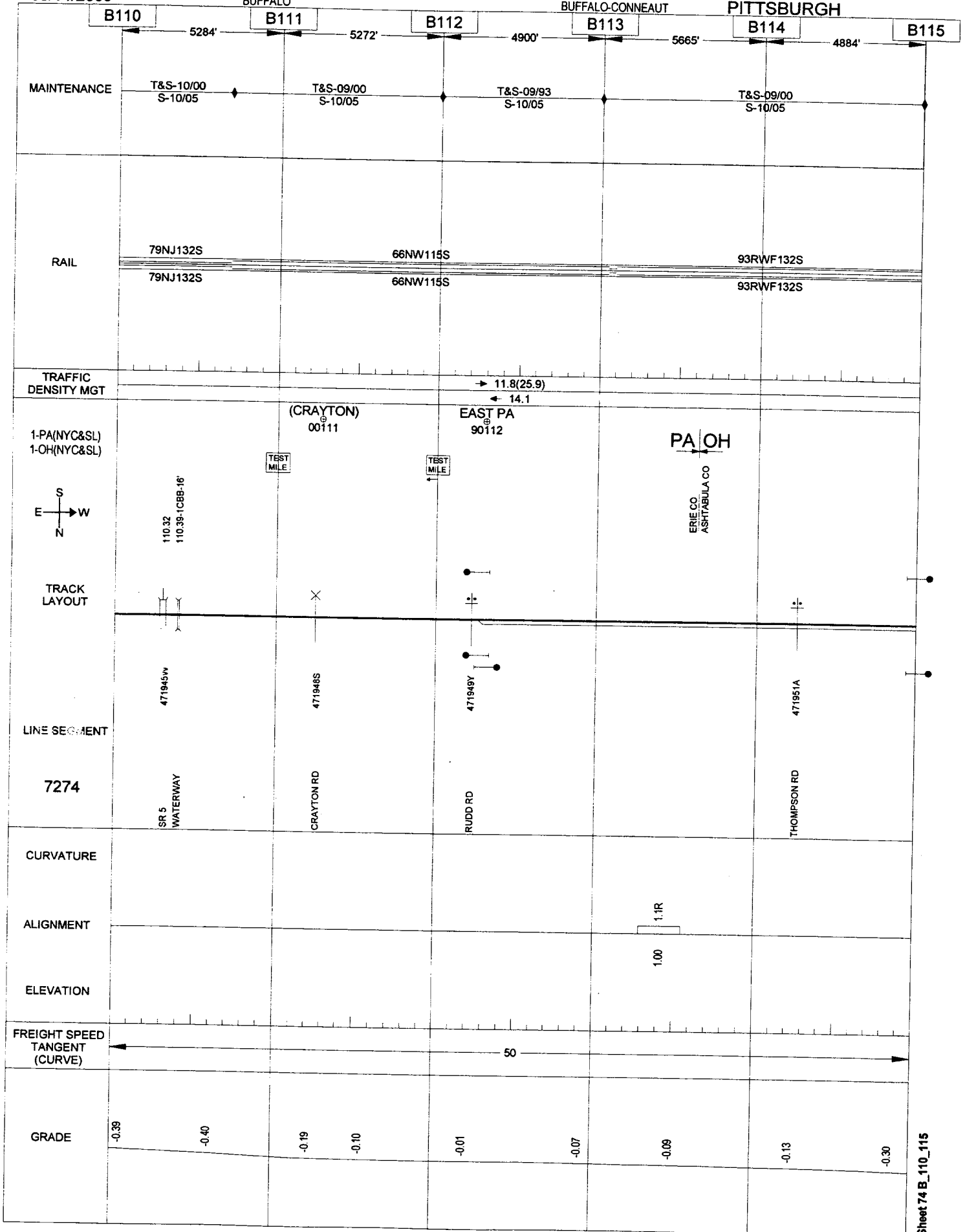
06/14/2006

146

BUFFALO

BUFFALO-CONNEAUT

PITTSBURGH





## PITTSBURGH

**B120**

7

**T&S-05/03**

69NW11

→ 11.8(25.9)

PARRISH  
⊕  
00117

1

1966P

0.5L

1.04

— 50 —

**+0.03**

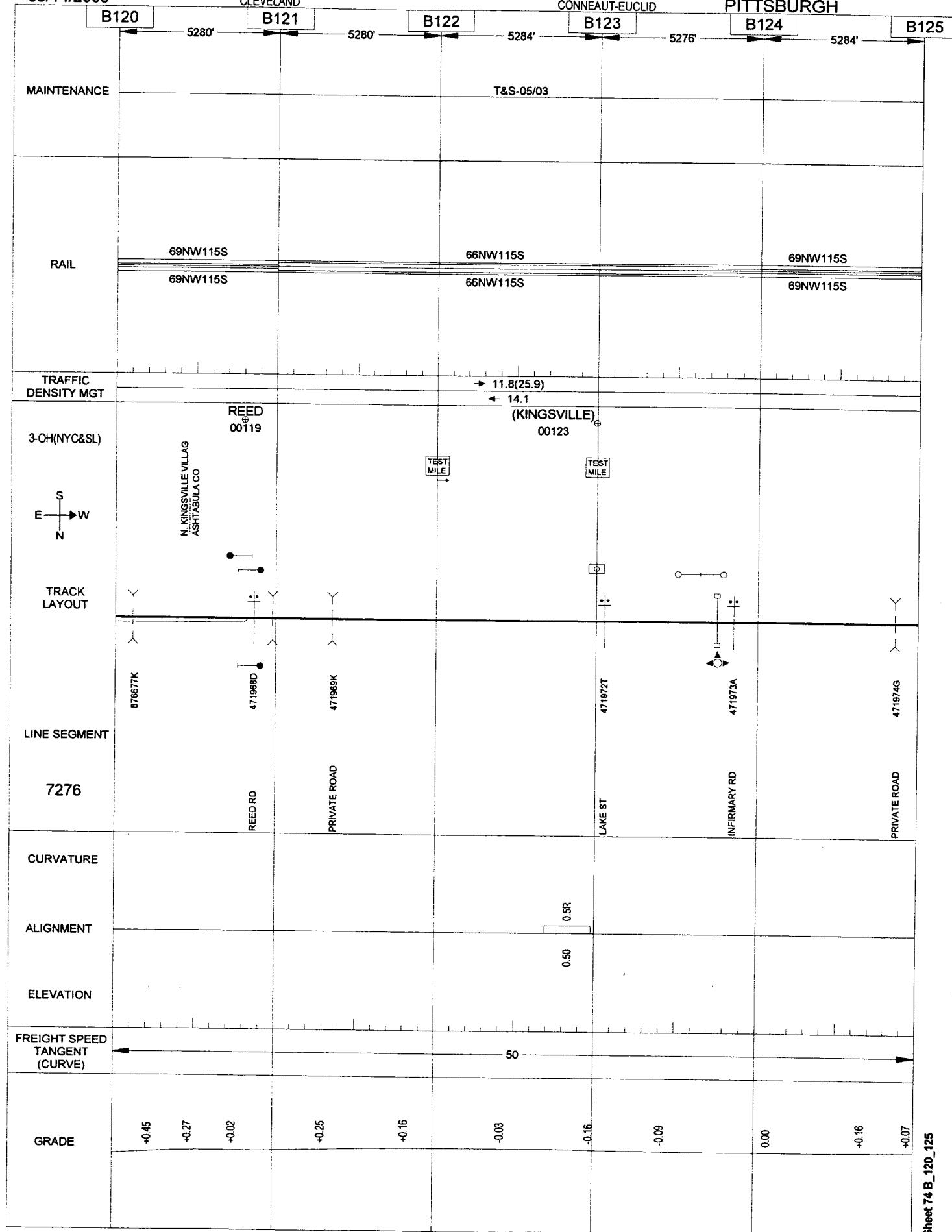
06/14/2006

148

CLEVELAND

CONNEAUT-EUCLID

PITTSBURGH



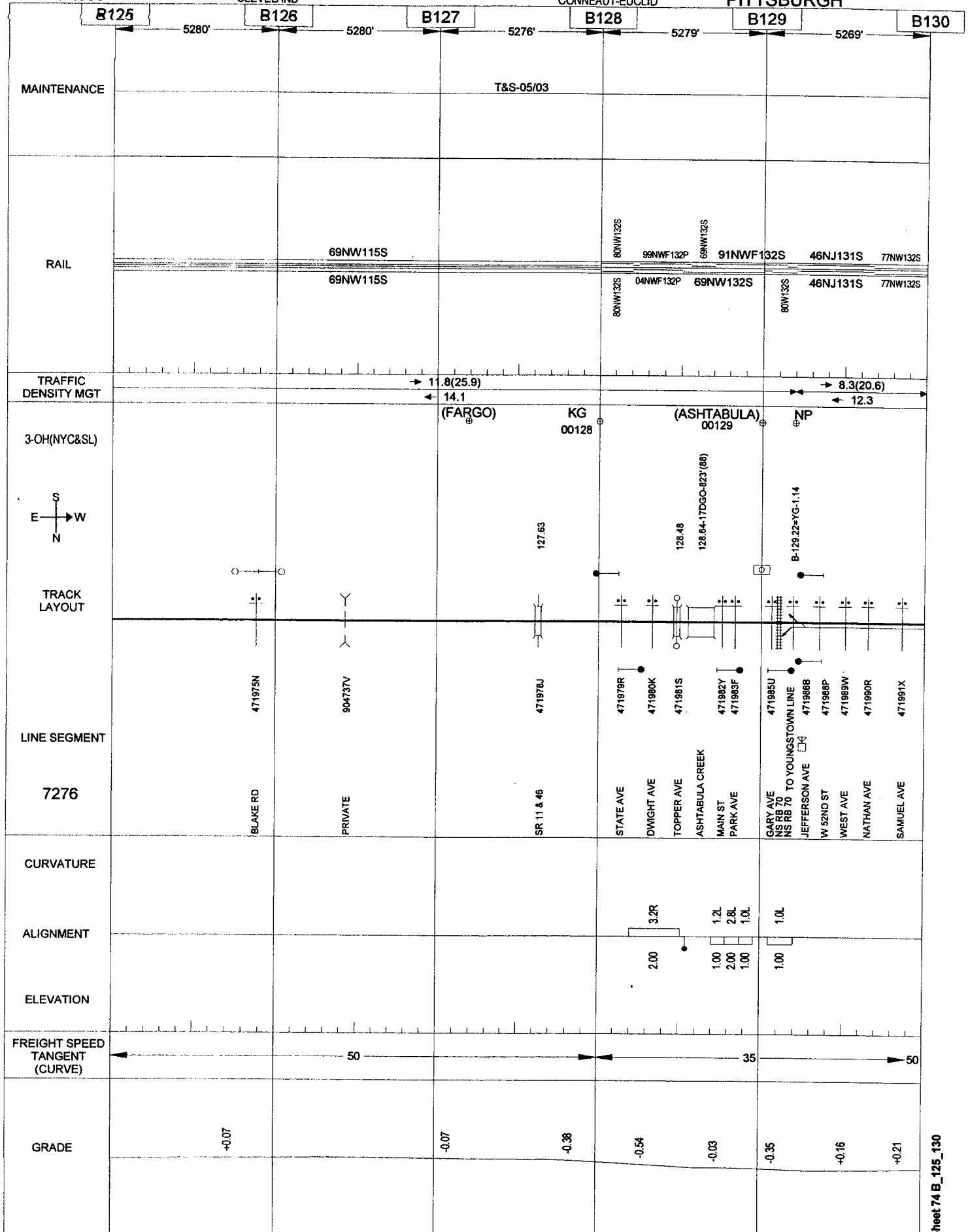
06/14/2006

149

CLEVELAND

CONNEAUT-EUCLID

PITTSBURGH



## PITTSBURGH

B135

T&amp;S-05/05

88RW132S

→ 7.8(19.5)

(SAYBROOK)  
00134

## TRACK LAYOUT

471992E

7276

## ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

- 50

**GRADE**

21

26

10

5

9

1

8

5

1

33

11

**B135**

B136

B137

B138

B139

B140

- 5279'

~ 5281'

— 5282'

— 5280

- 5280'

## MAINTENANCE

**T&S-05/05**

RAIL

88RW132S

69NW115S

00NW136S

69NW115S

88RW1325

69NW115S

69NW115S

TRAFFIC  
DENSITY MGT

→ 7.8(19.5)  
← 11.7

3-OH(NYC&amp;SL)

(GENEVA)  
00138

## TRACK LAYOUT

LINE SEGMENT

7276

## CURVATURE

## ALIGNMENT

ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

— 50

GRADE

611

80

20

24

24

Y

1

21

•

## PITTSBURGH



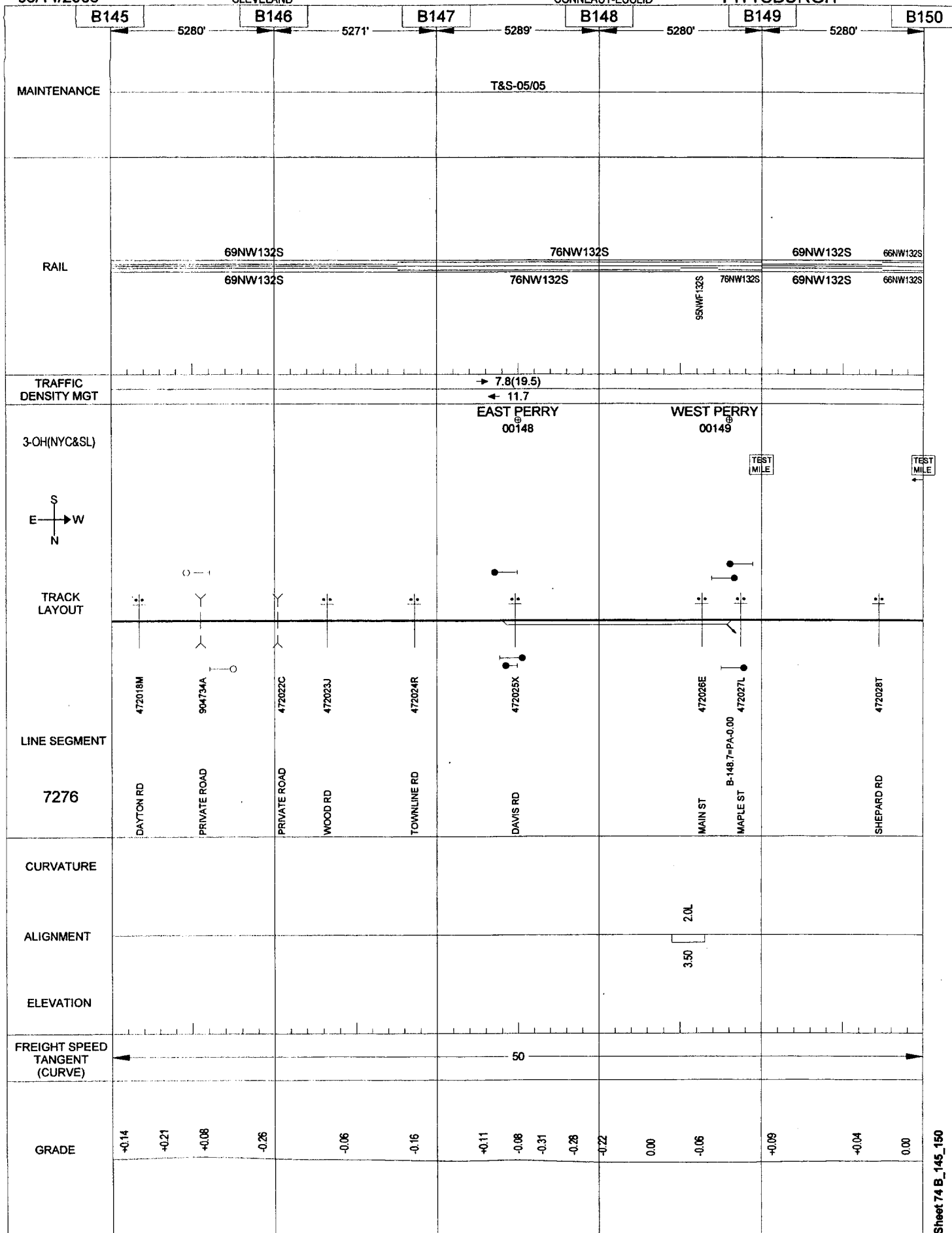
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153

CLEVELAND

CONNEAUT-EUCLID

PITTSBURGH



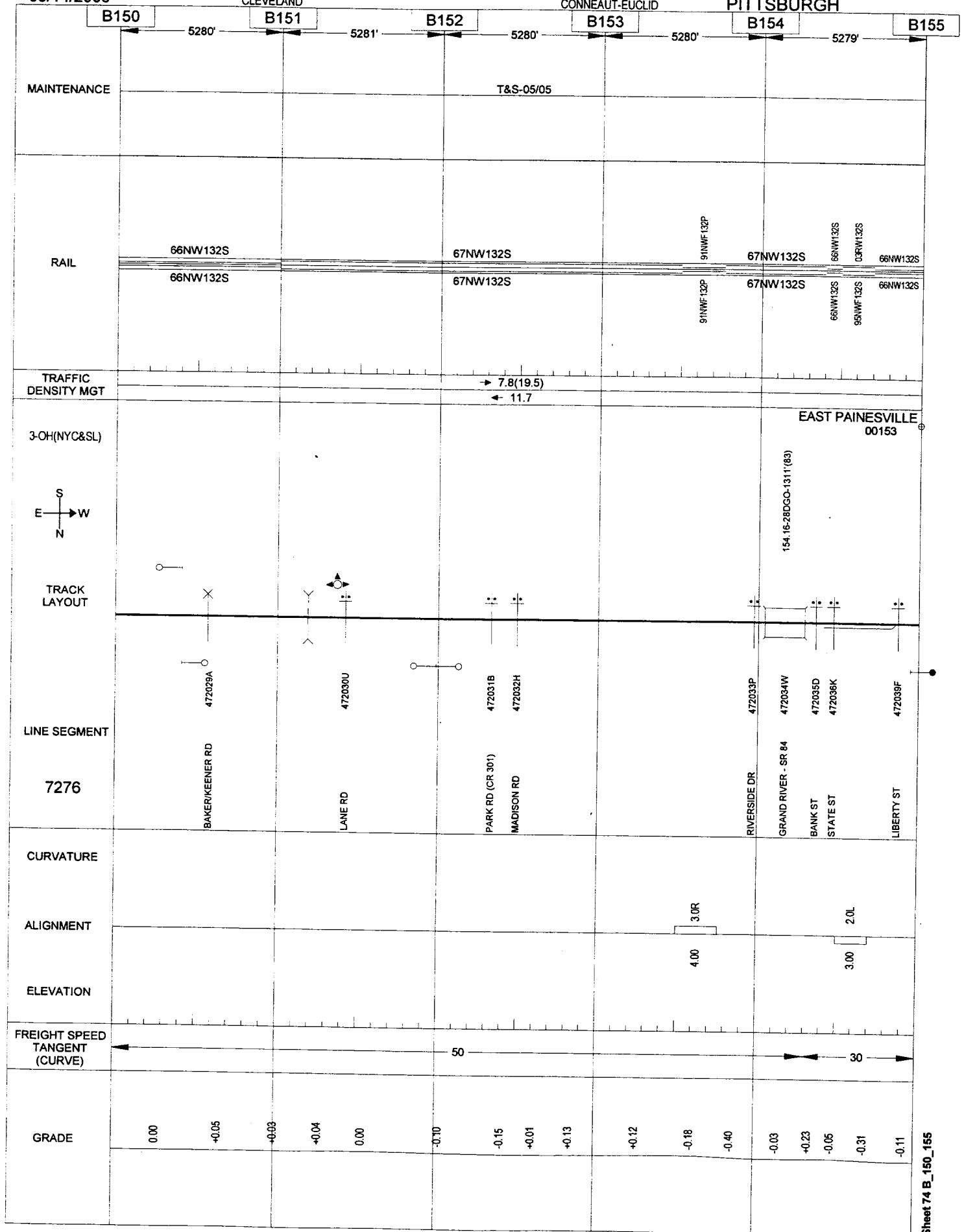
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154

CLEVELAND

CONNEAUT-EUCLID

PITTSBURGH





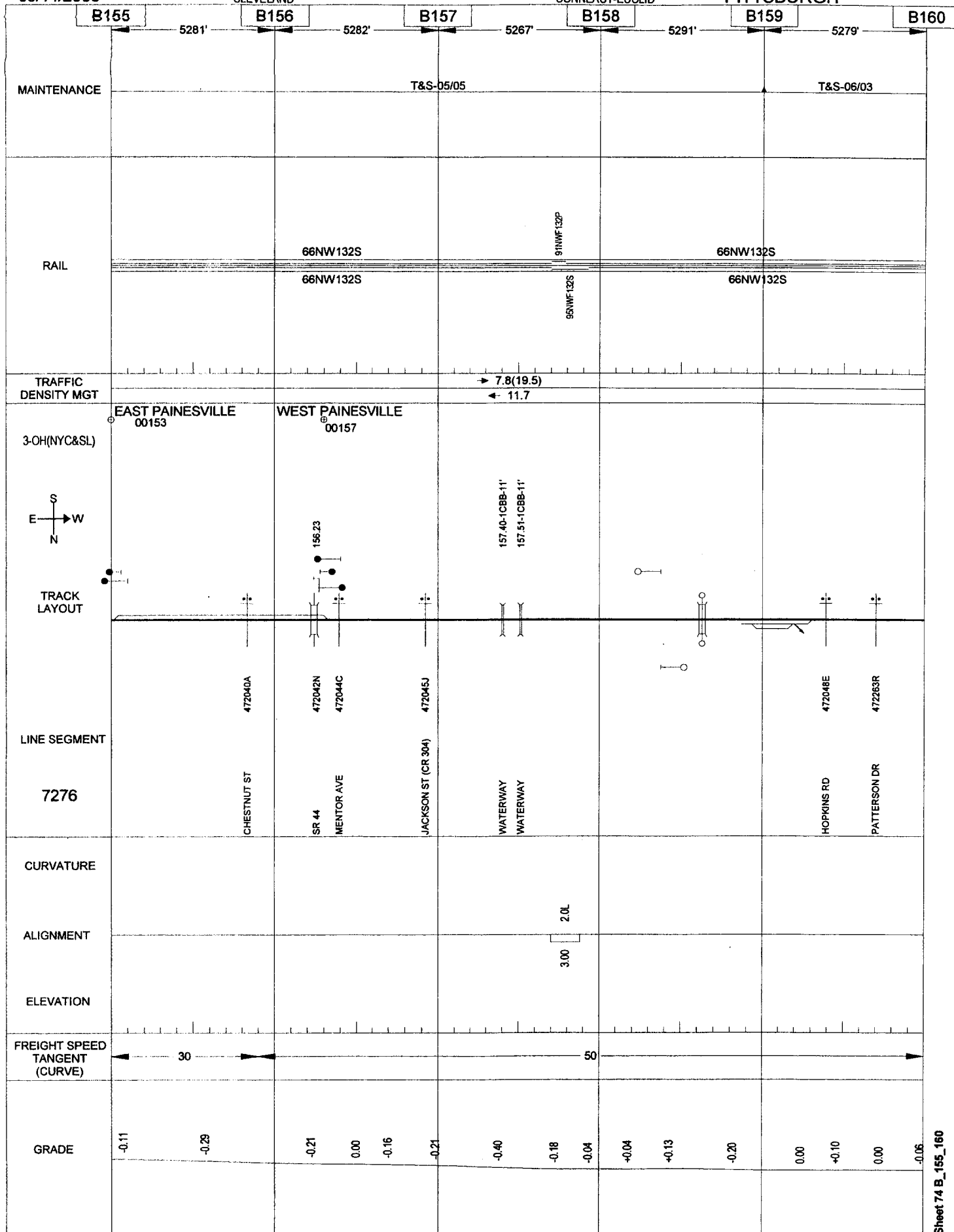
06/14/2006

CLEVELAND

155

CONNEAUT-EUCLID

PITTSBURGH



PITTSBURGH

B165

1050

T&amp;S-06/03

66NW132S

66NW132S

90NWF132P

66NW132S

→ 7.8(19.5)  
← 11.7

WEST MENTOR  
00162

DANIEL  
⊕  
00163

3-OH(NYC&amp;SL)

## TRACK LAYOUT

LINE SEGMENT

7276

## CURVATURE

## ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

**GRADE**

-0.00

+0.0

0.03

5.0

0.02

0.11

111

20

0.05

174

50

2

5

Sheet 74 B\_160\_165

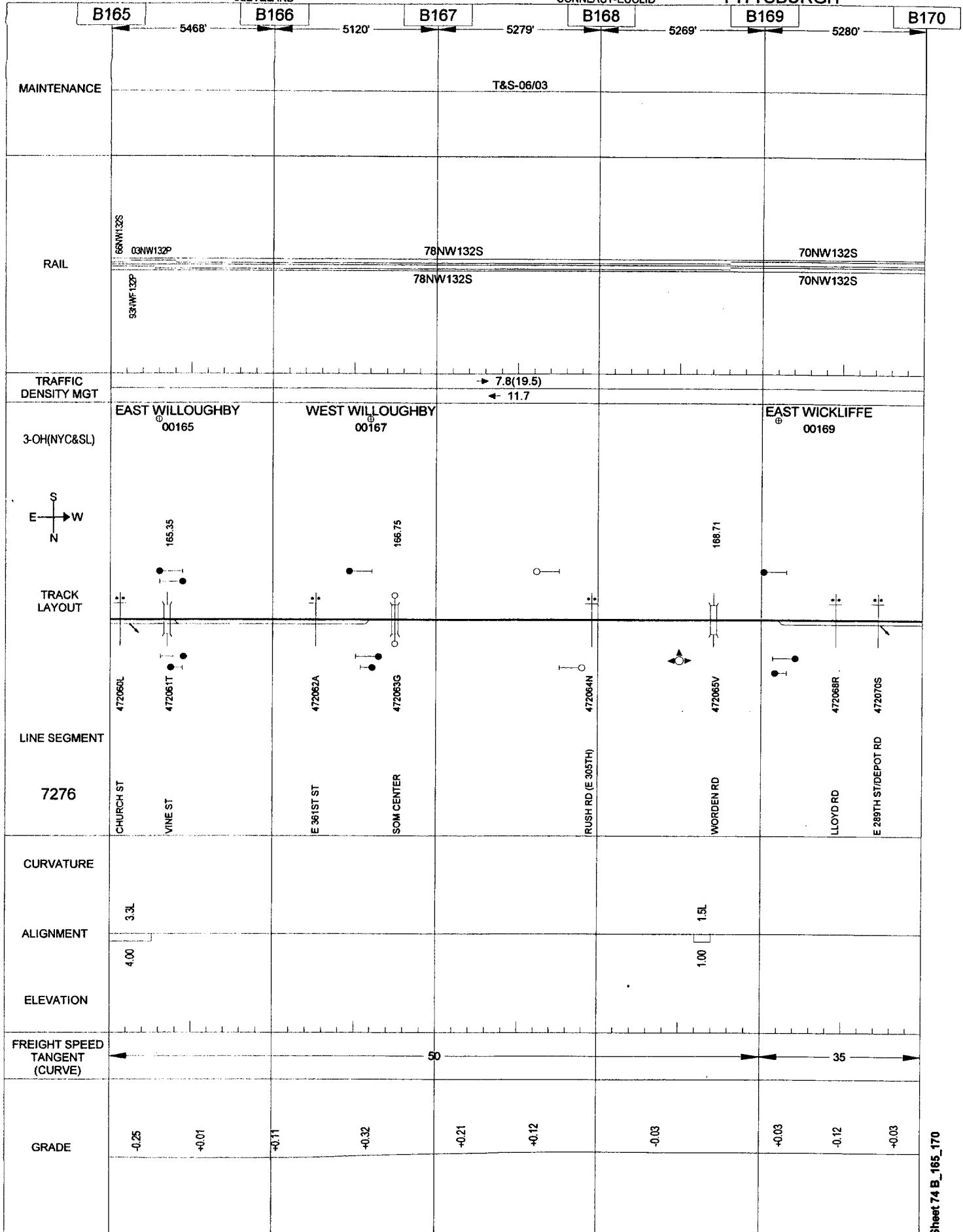
06/14/2006

CLEVELAND

157

CONNEAUT-EUCLID

PITTSBURGH



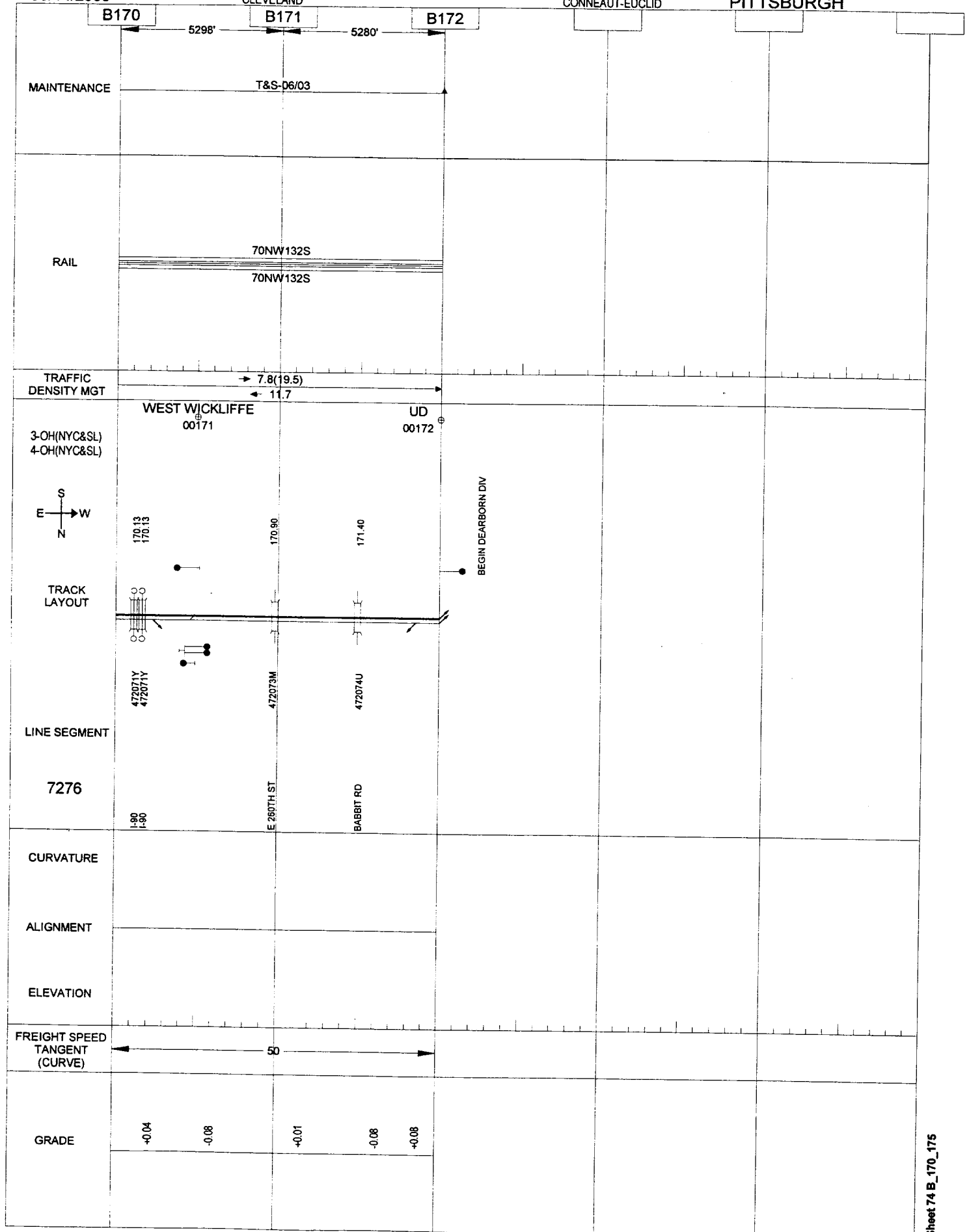
06/14/2006

158

CLEVELAND

CONNEAUT-EUCLID

PITTSBURGH



06/14/2006

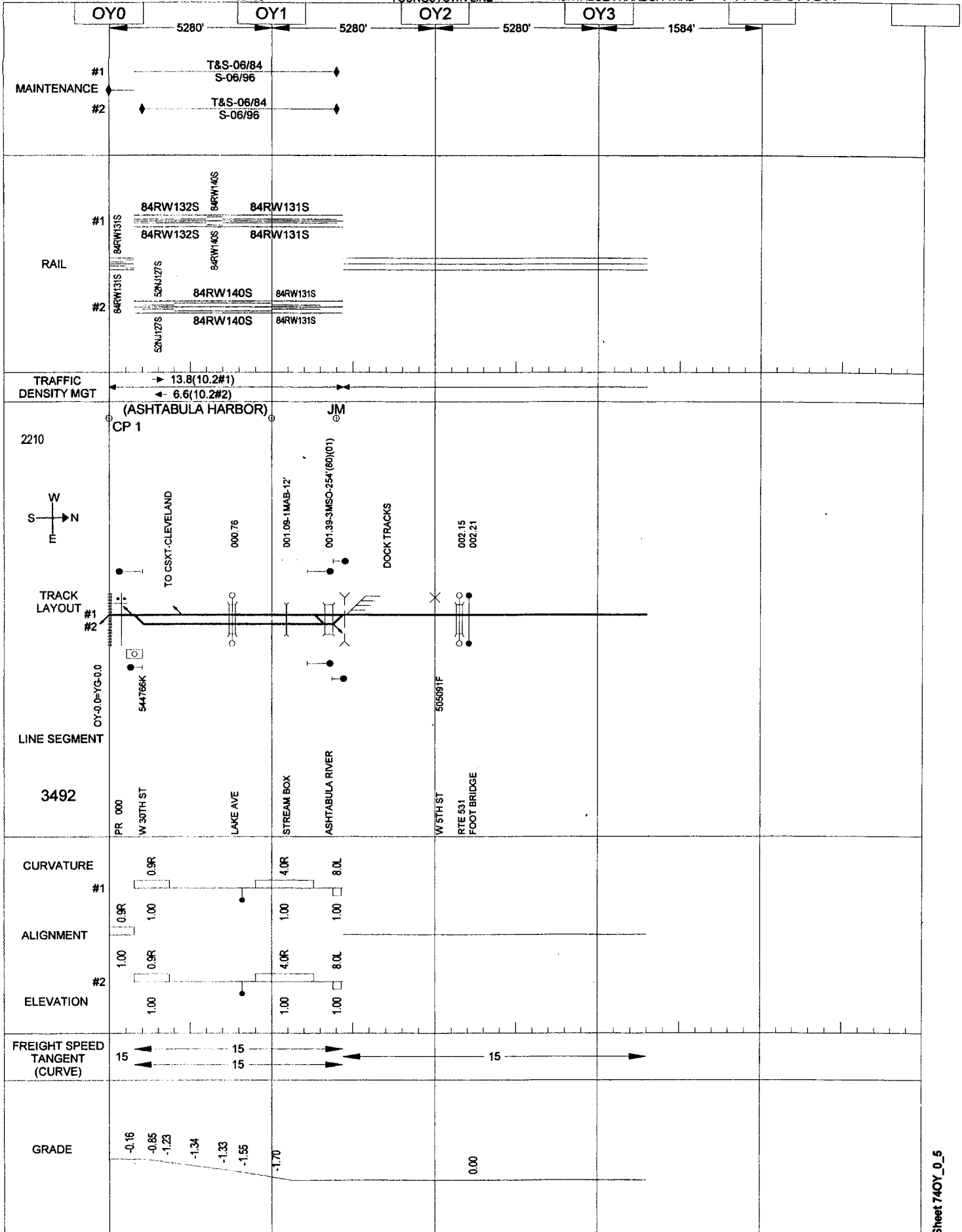
402465

159

YOUNGSTOWN LINE

ASHTABULA-HARBOR YARD

PITTSBURGH



06/14/2006

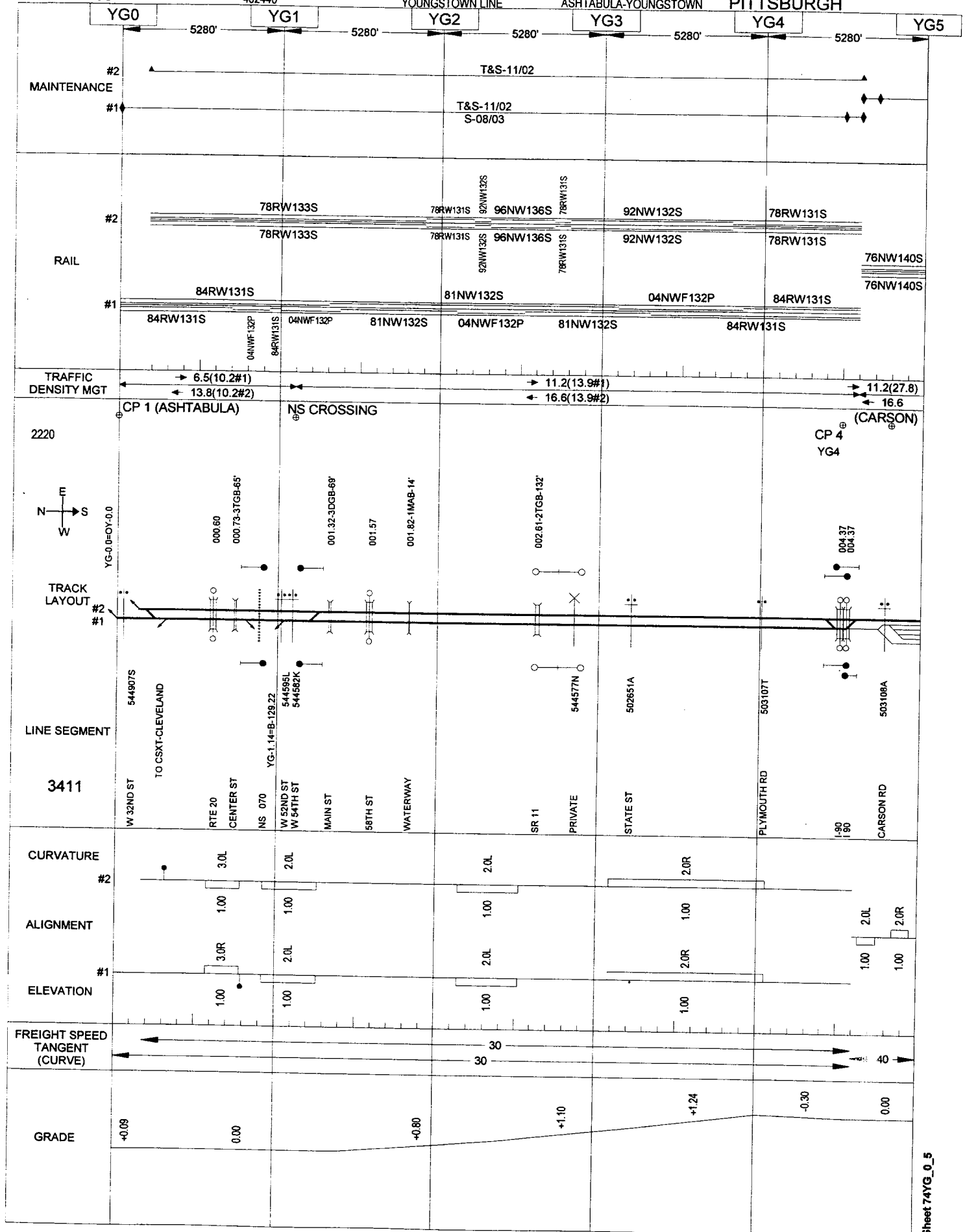
402440

160

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/14/2006

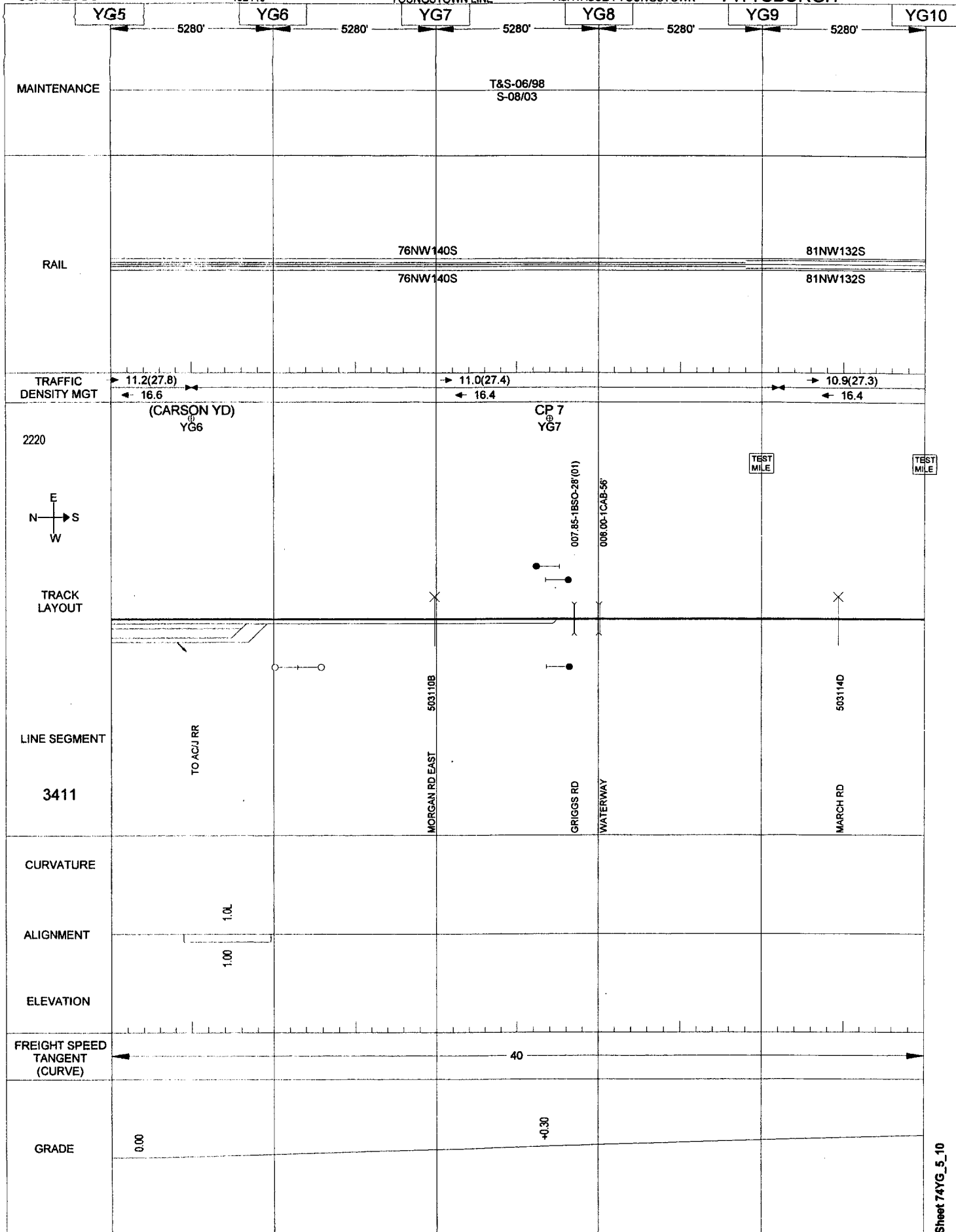
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161

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



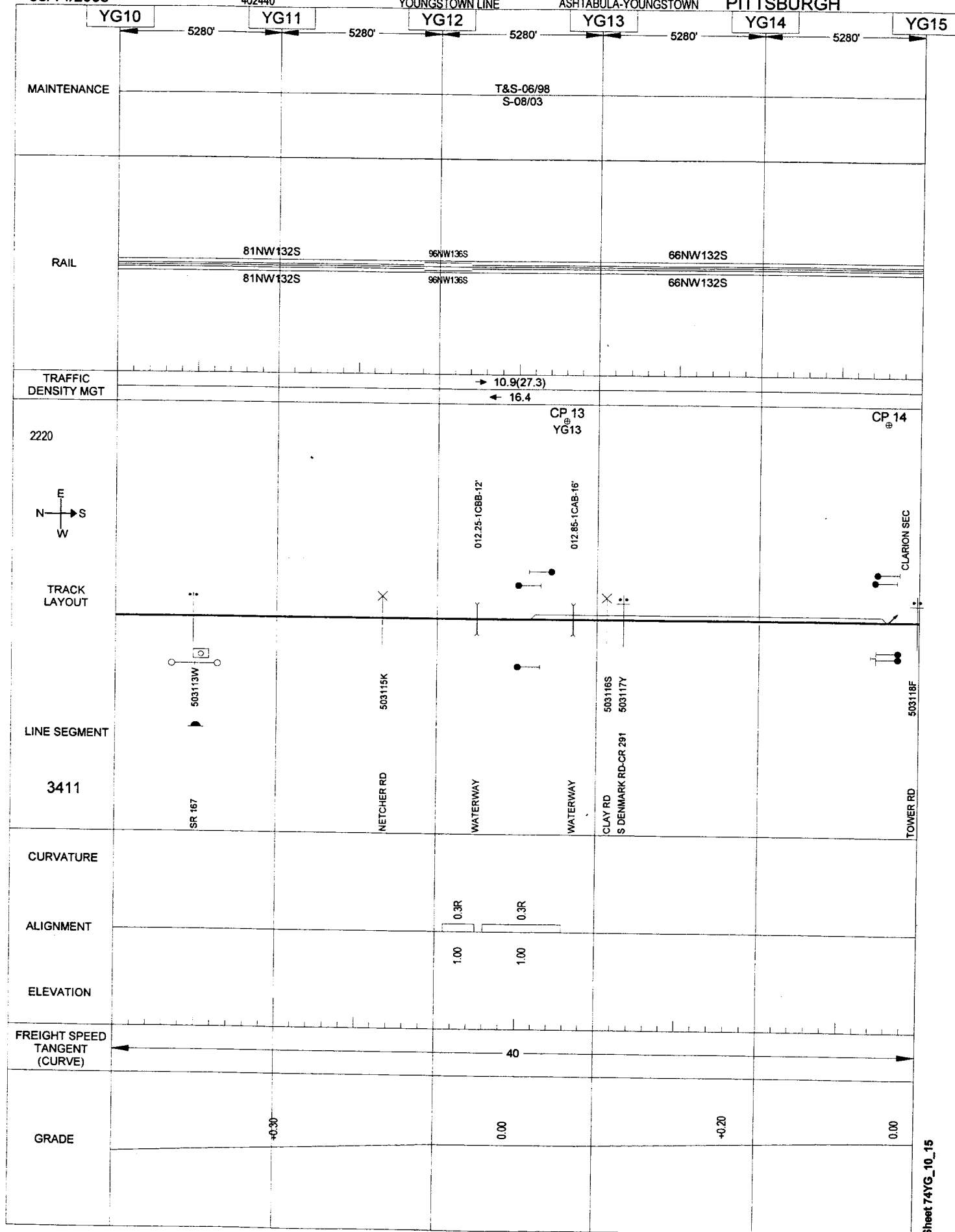
06/14/2006

162

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH





06/14/2006

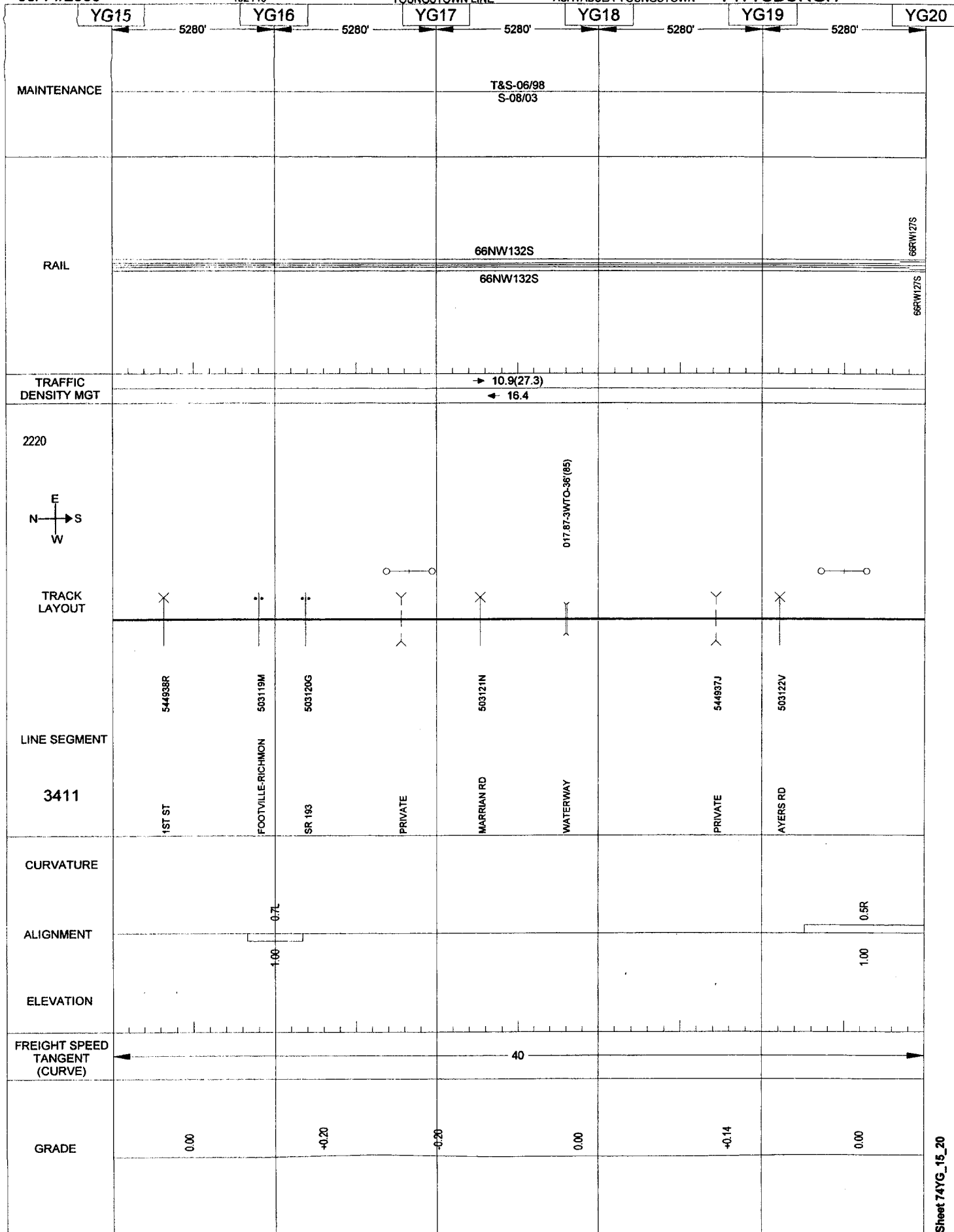
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163

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/14/2006

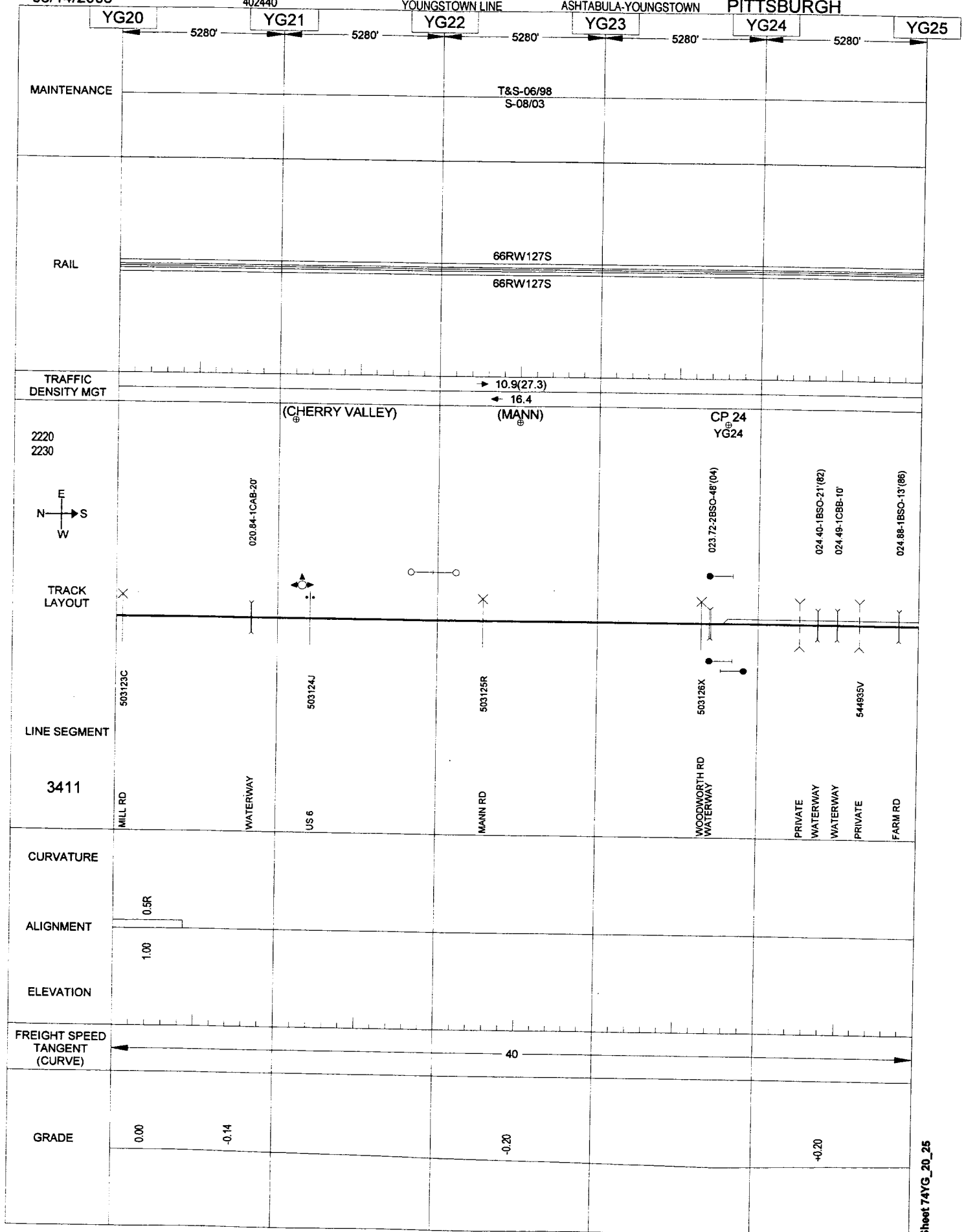
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164

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/14/2006

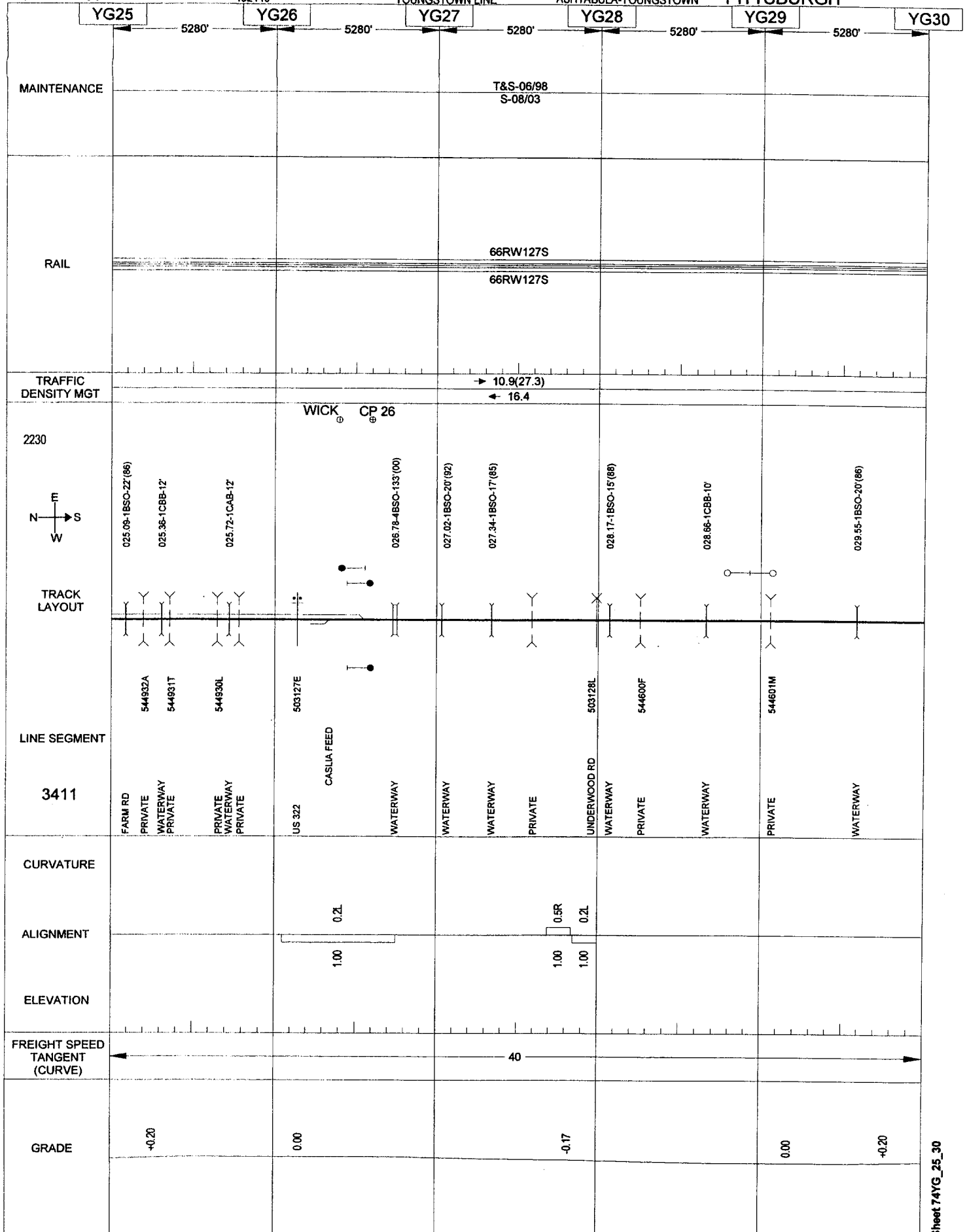
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165

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/14/2006

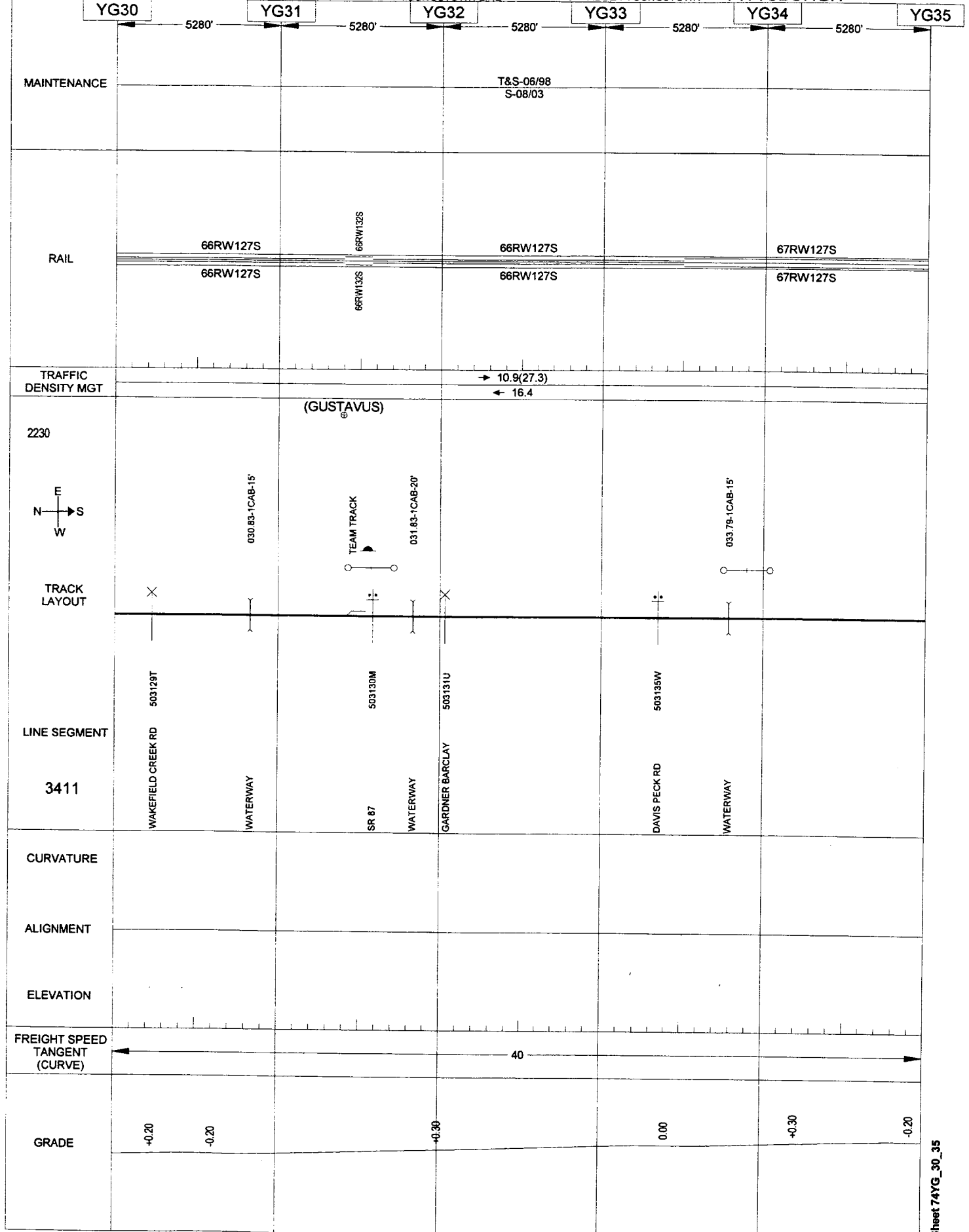
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166

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/14/2006

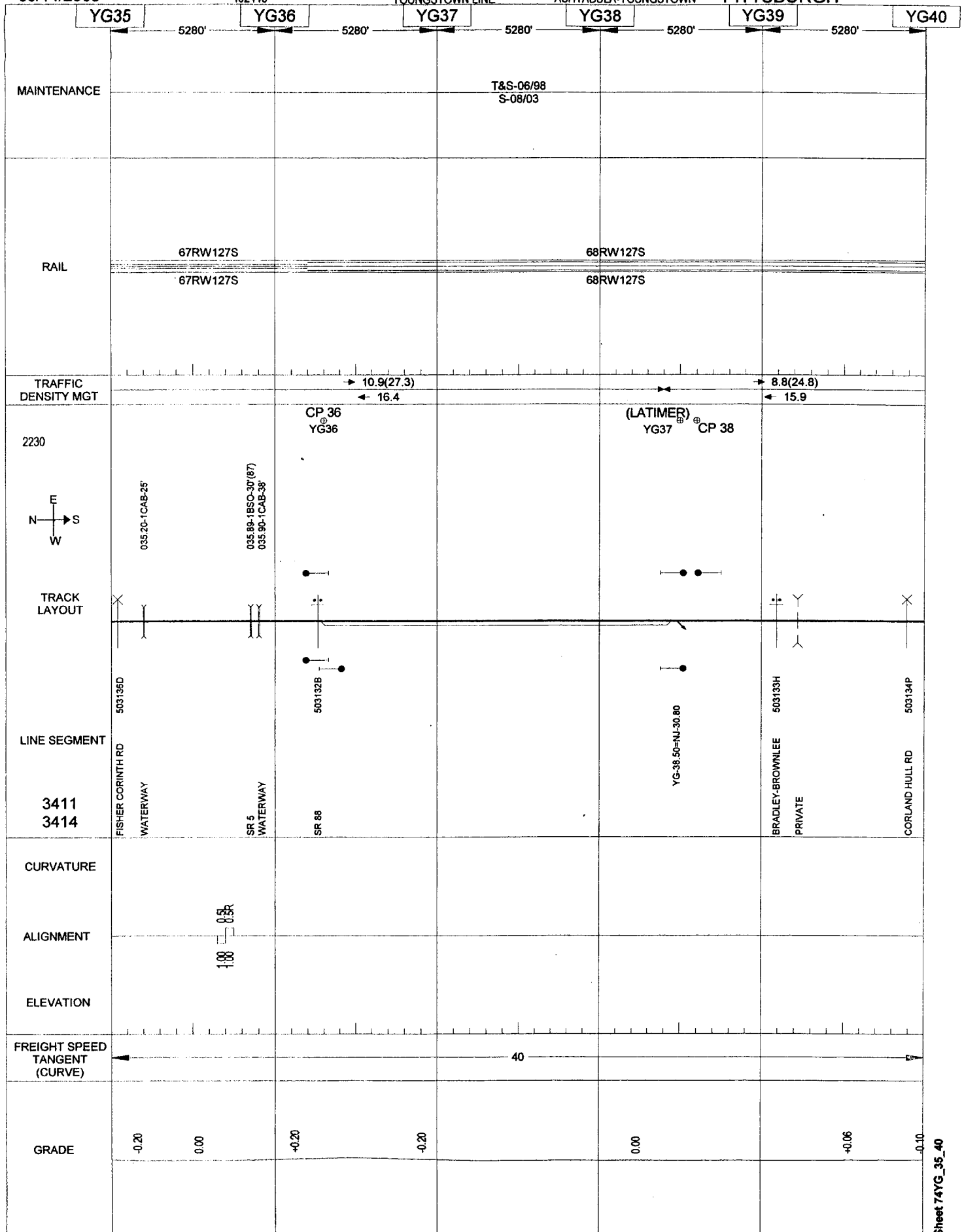
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167

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/14/2006

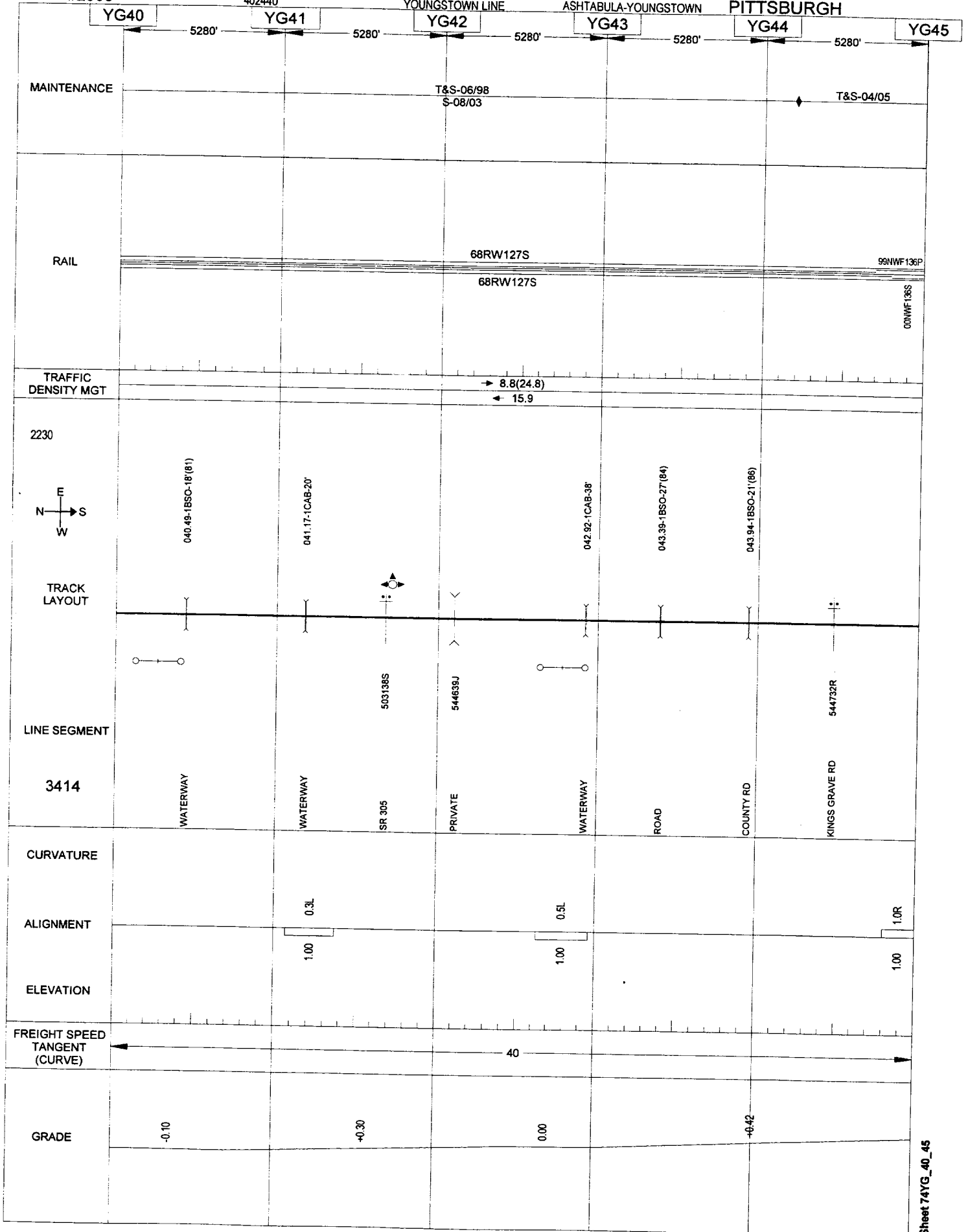
168

402440

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/14/2006

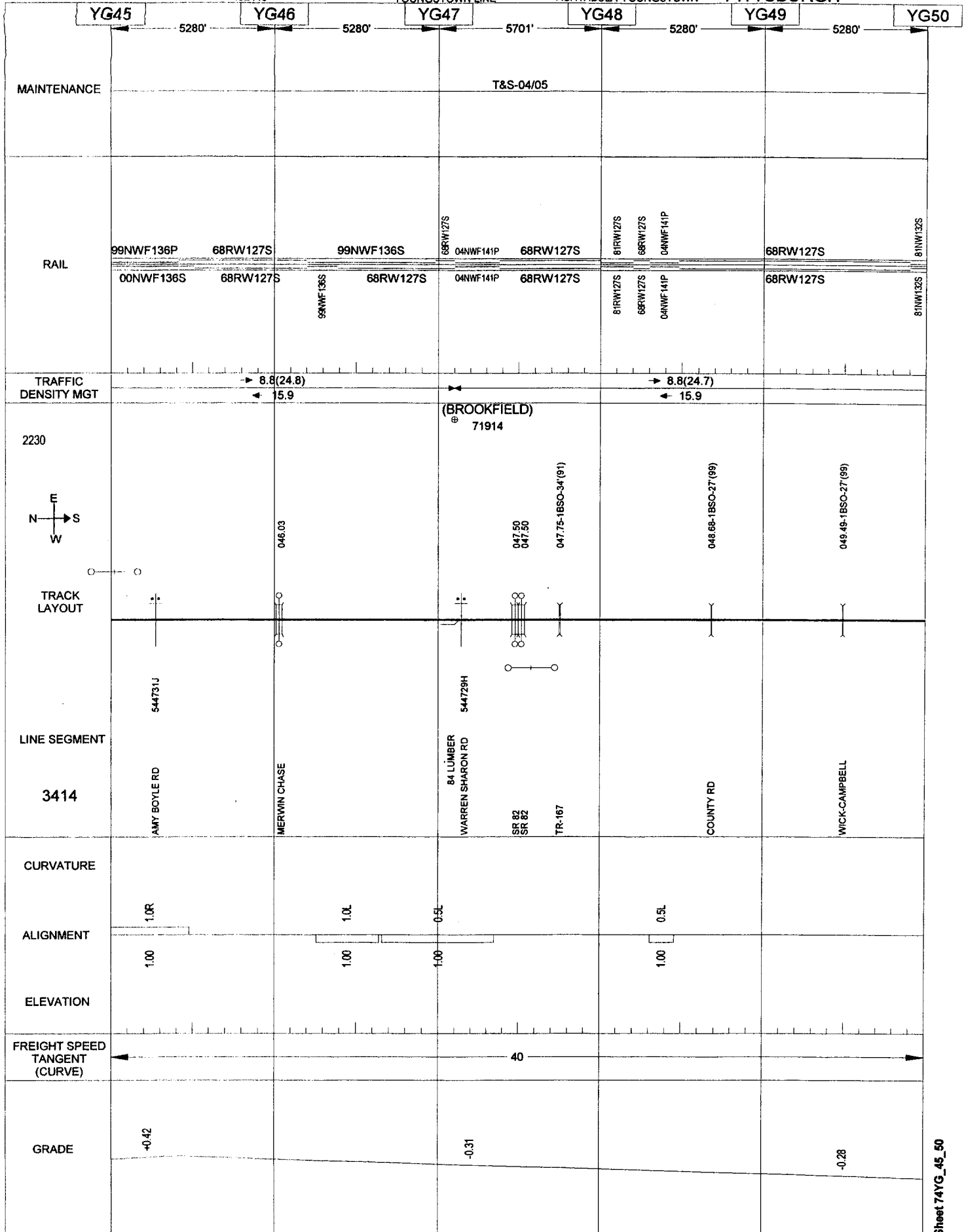
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169

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



06/23/2006

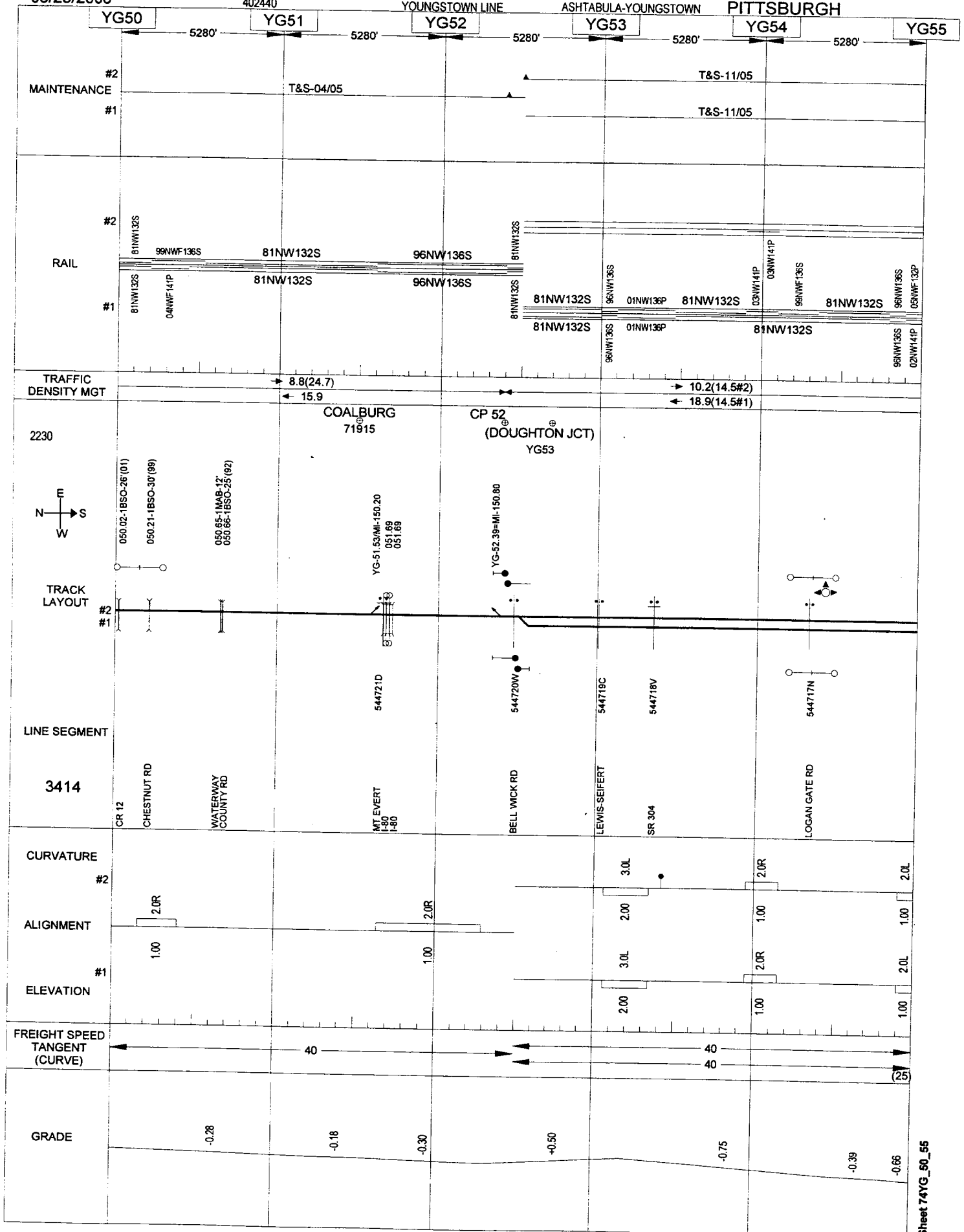
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170

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH





06/23/2006

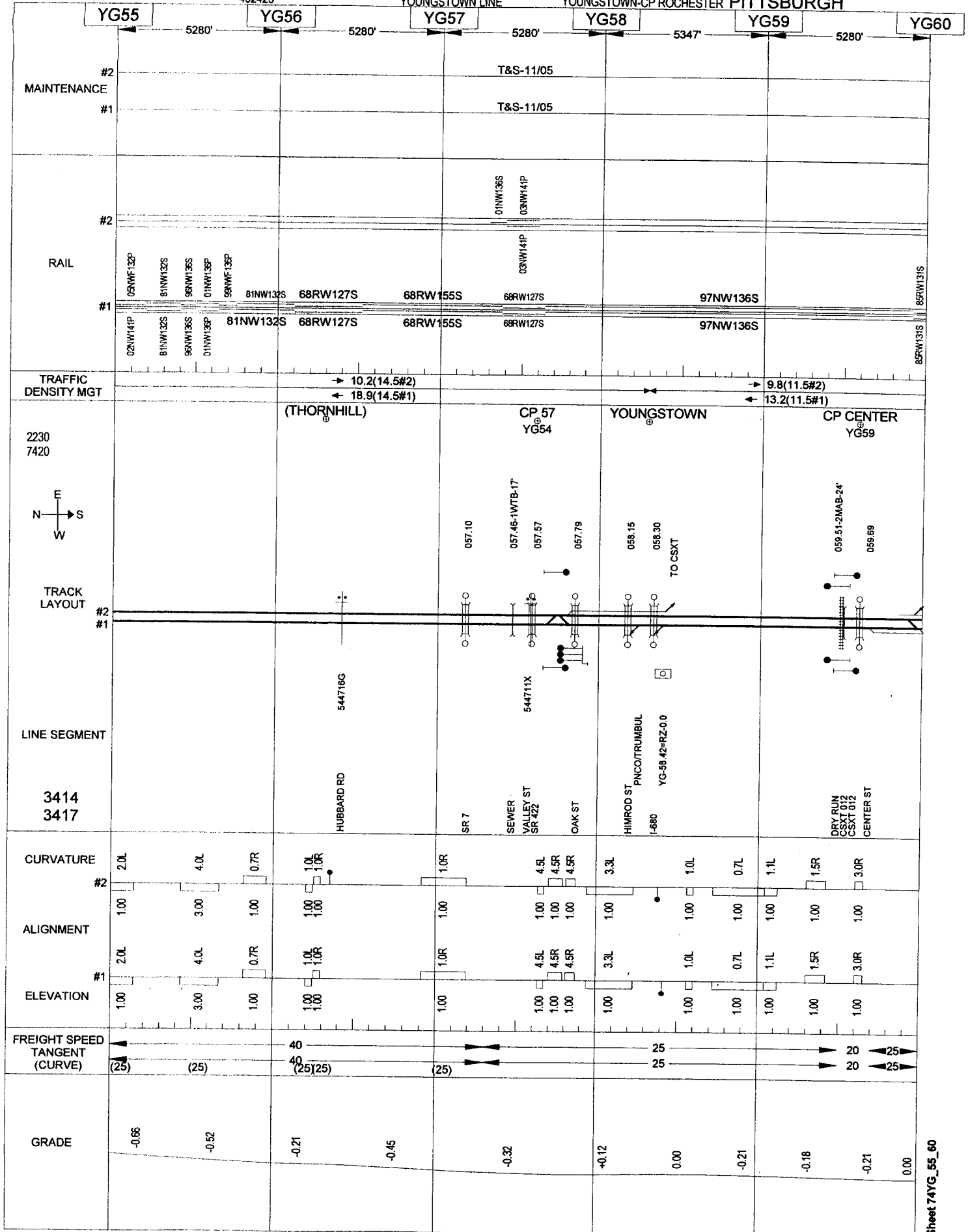
402423

171

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER

PITTSBURGH



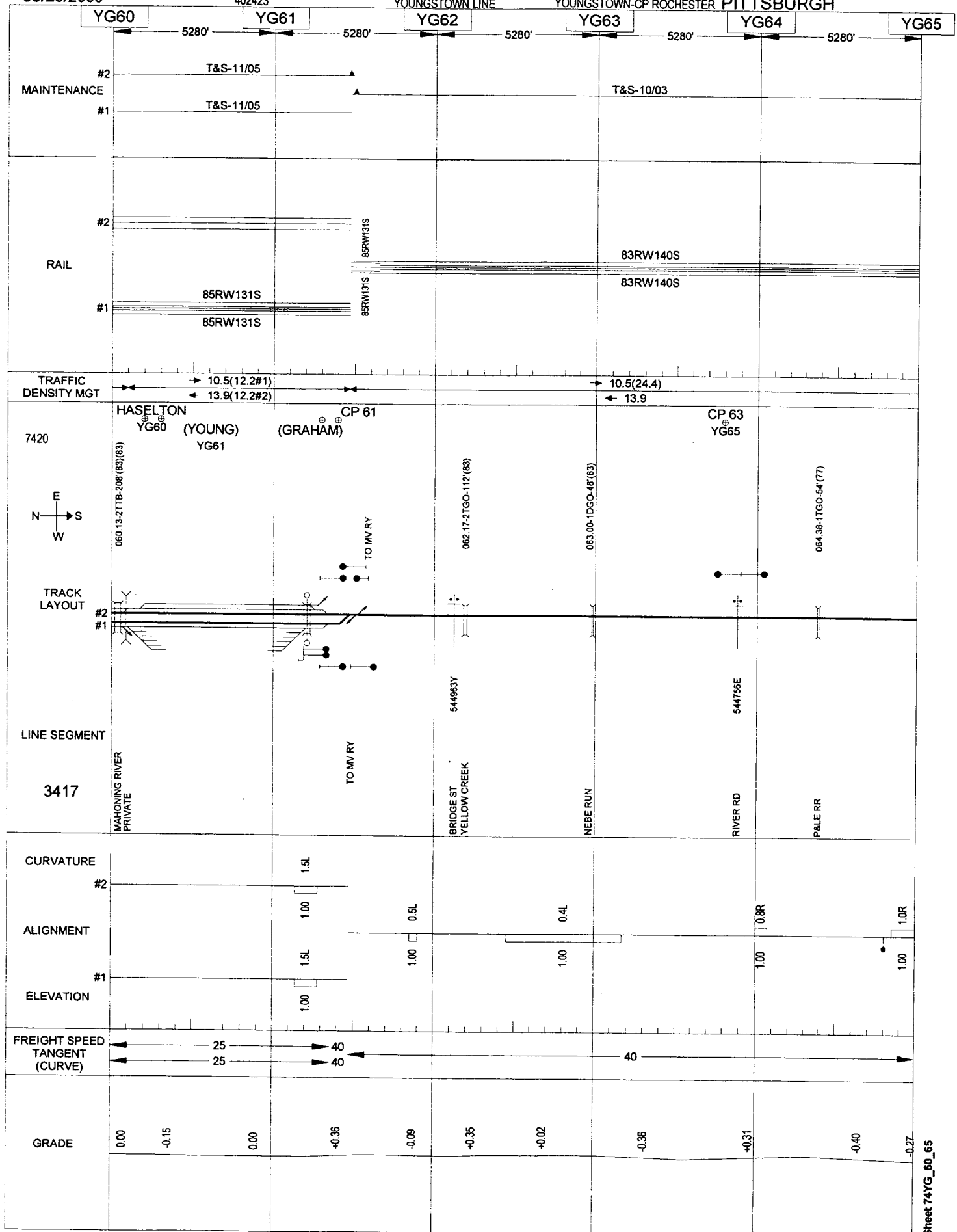
06/23/2006

402423

172

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



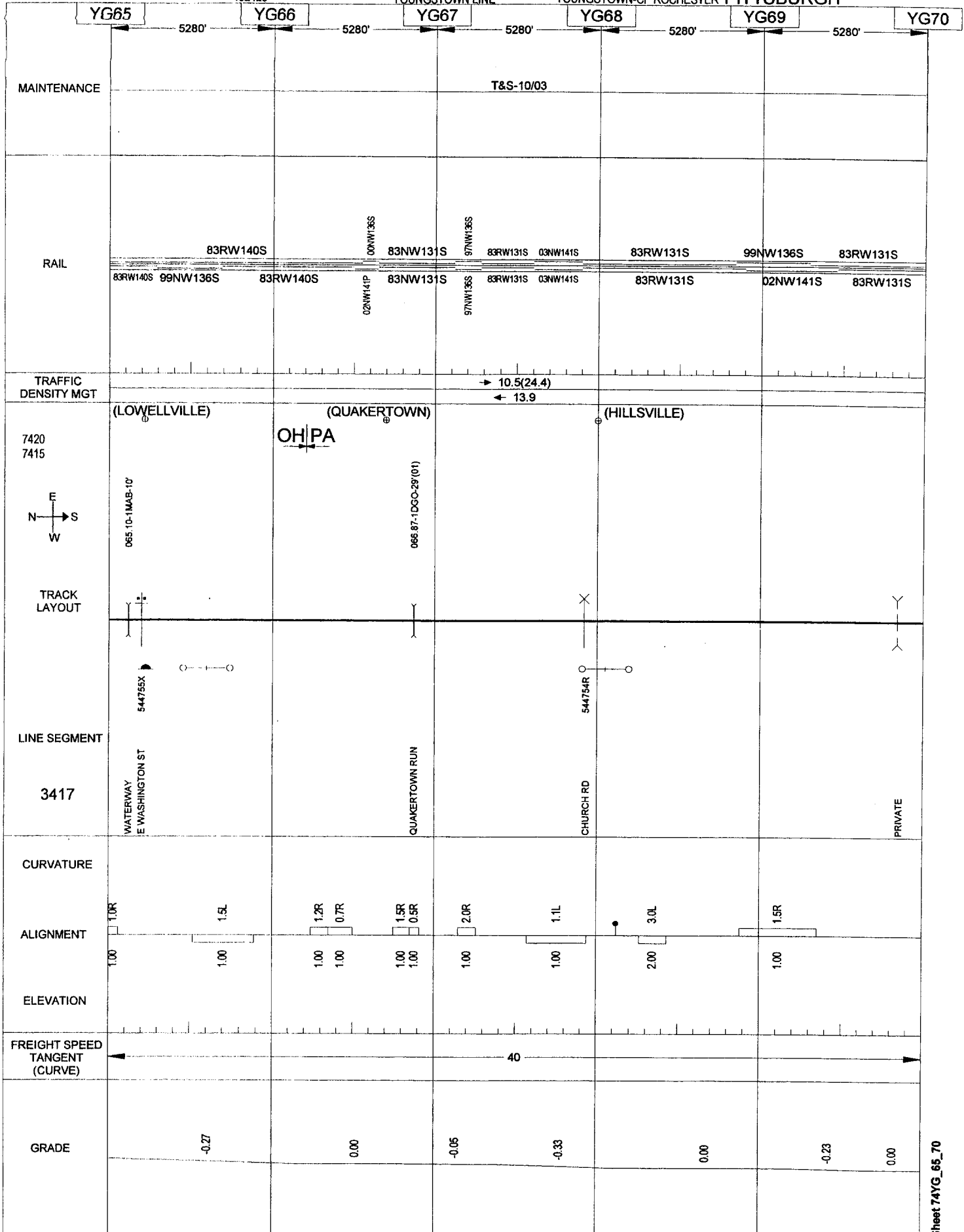
06/14/2006

402423

173

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



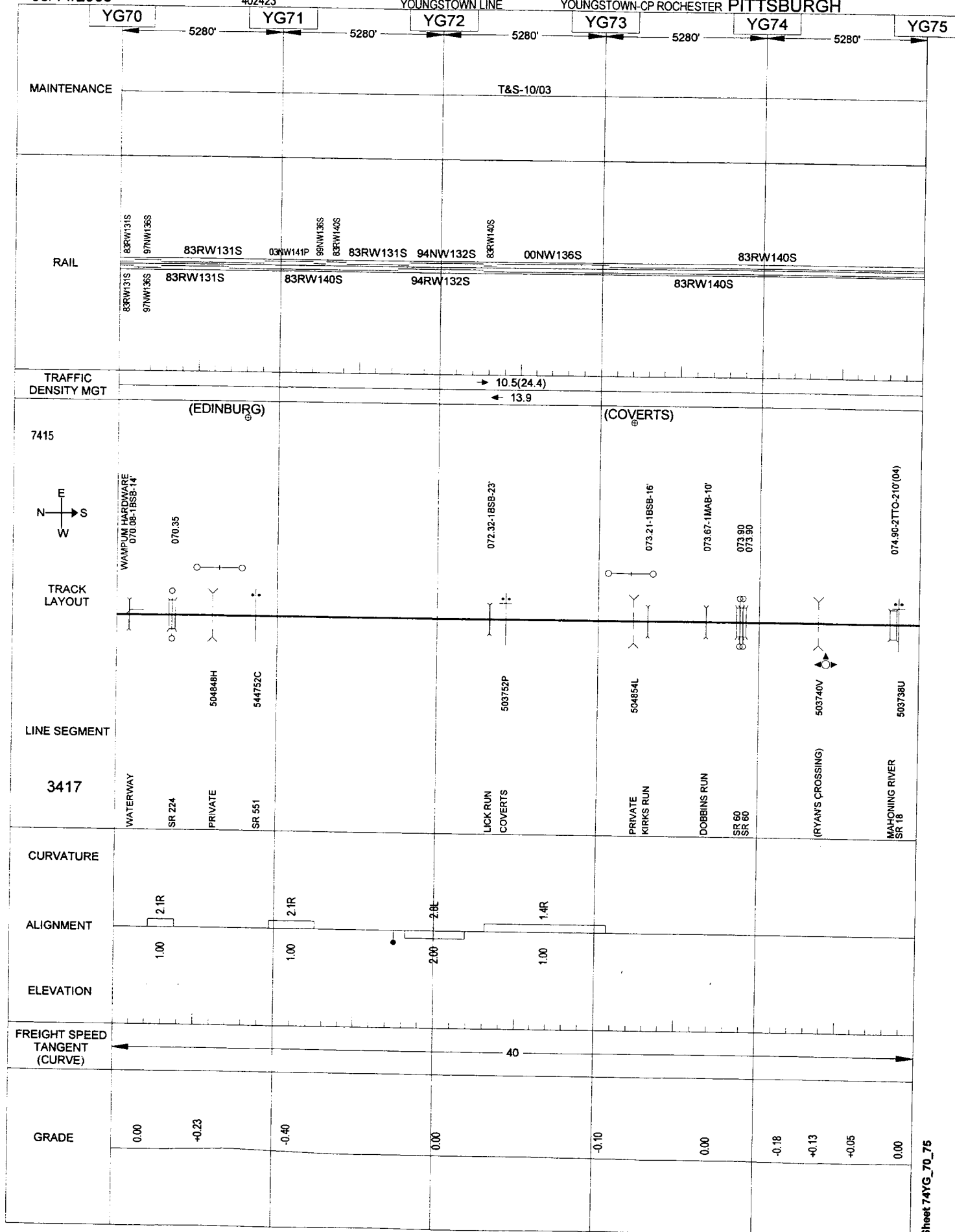
06/14/2006

402423

174

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH





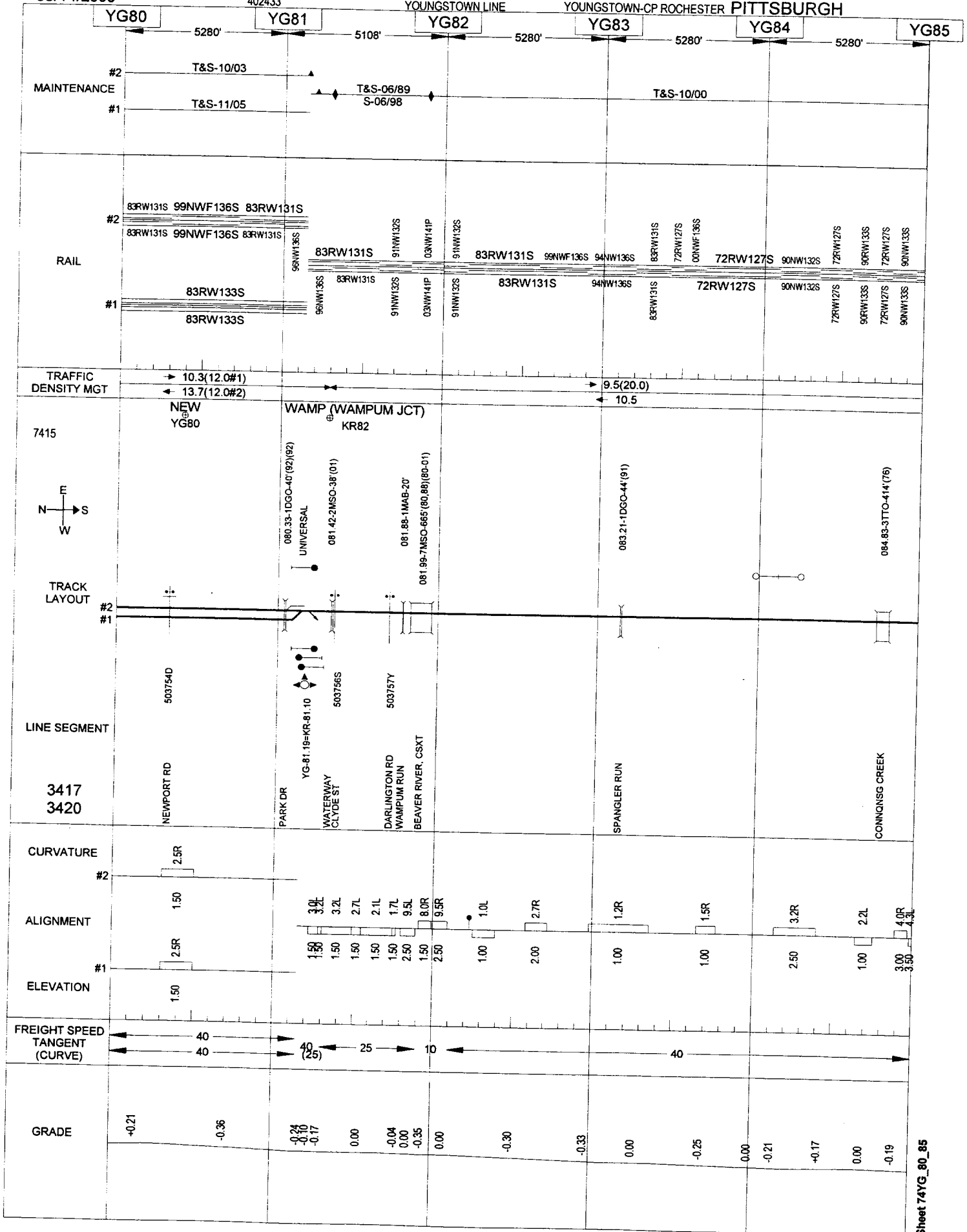
06/14/2006

402433

176

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



06/14/2006

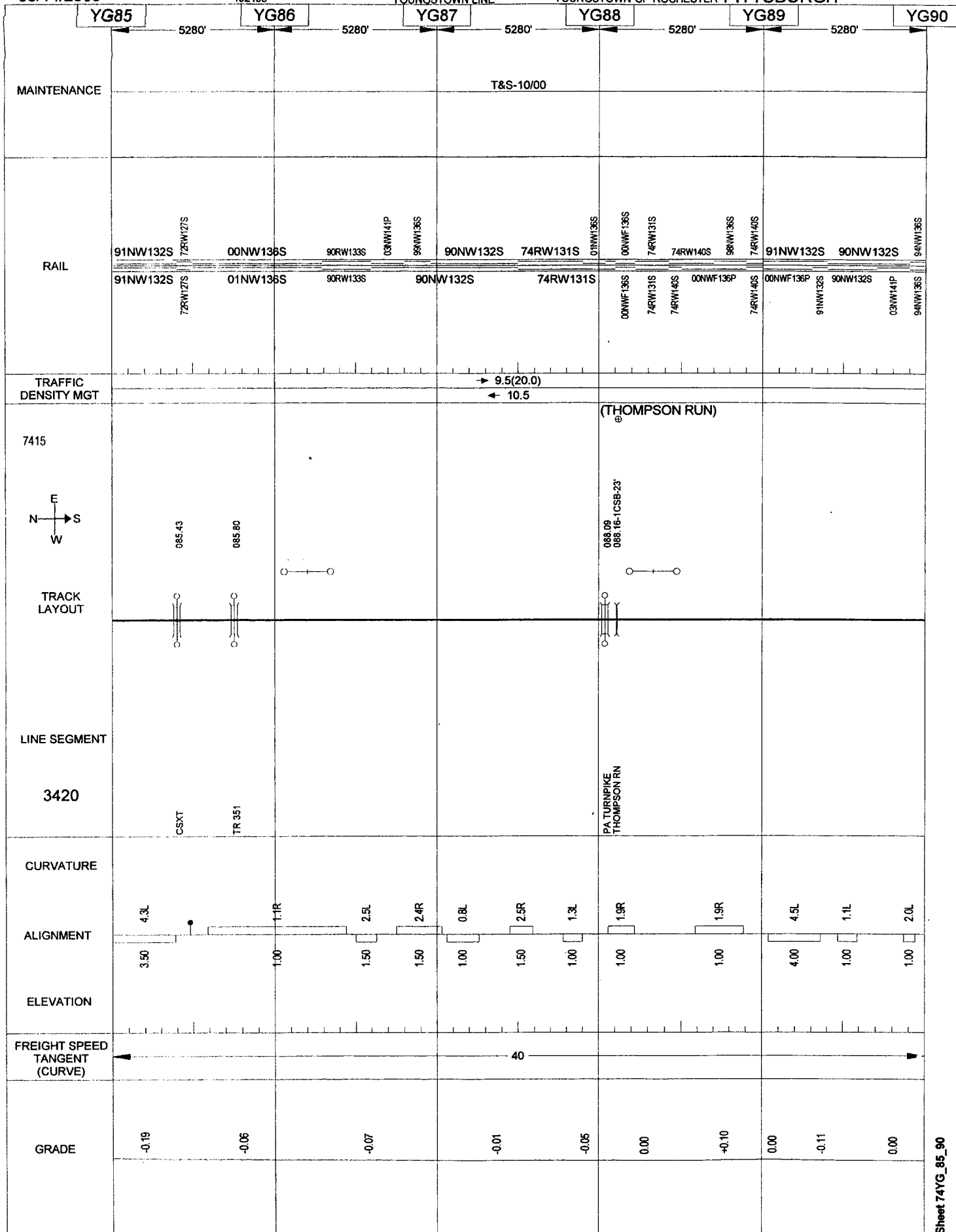
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177

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER

PITTSBURGH



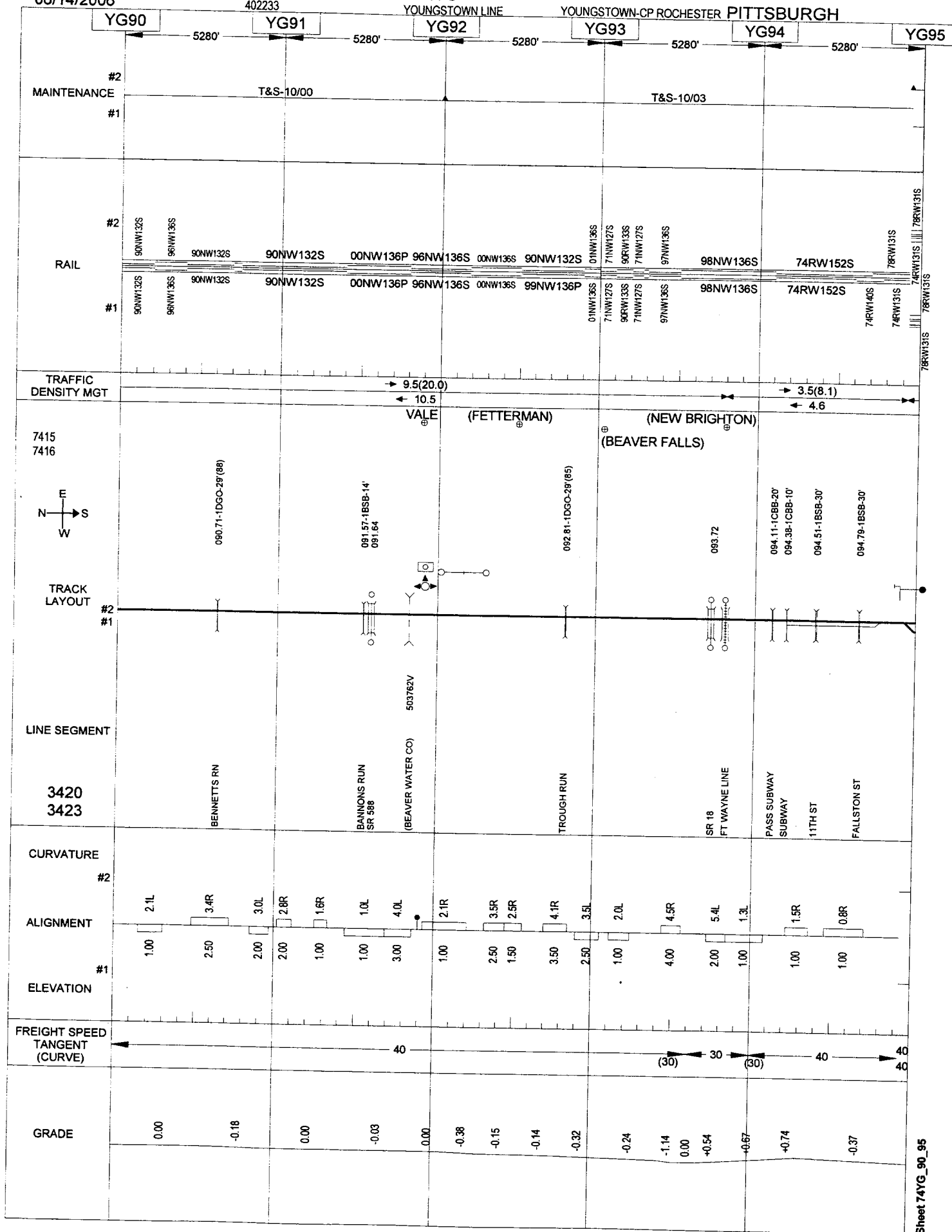
06/14/2006

402233

178

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH





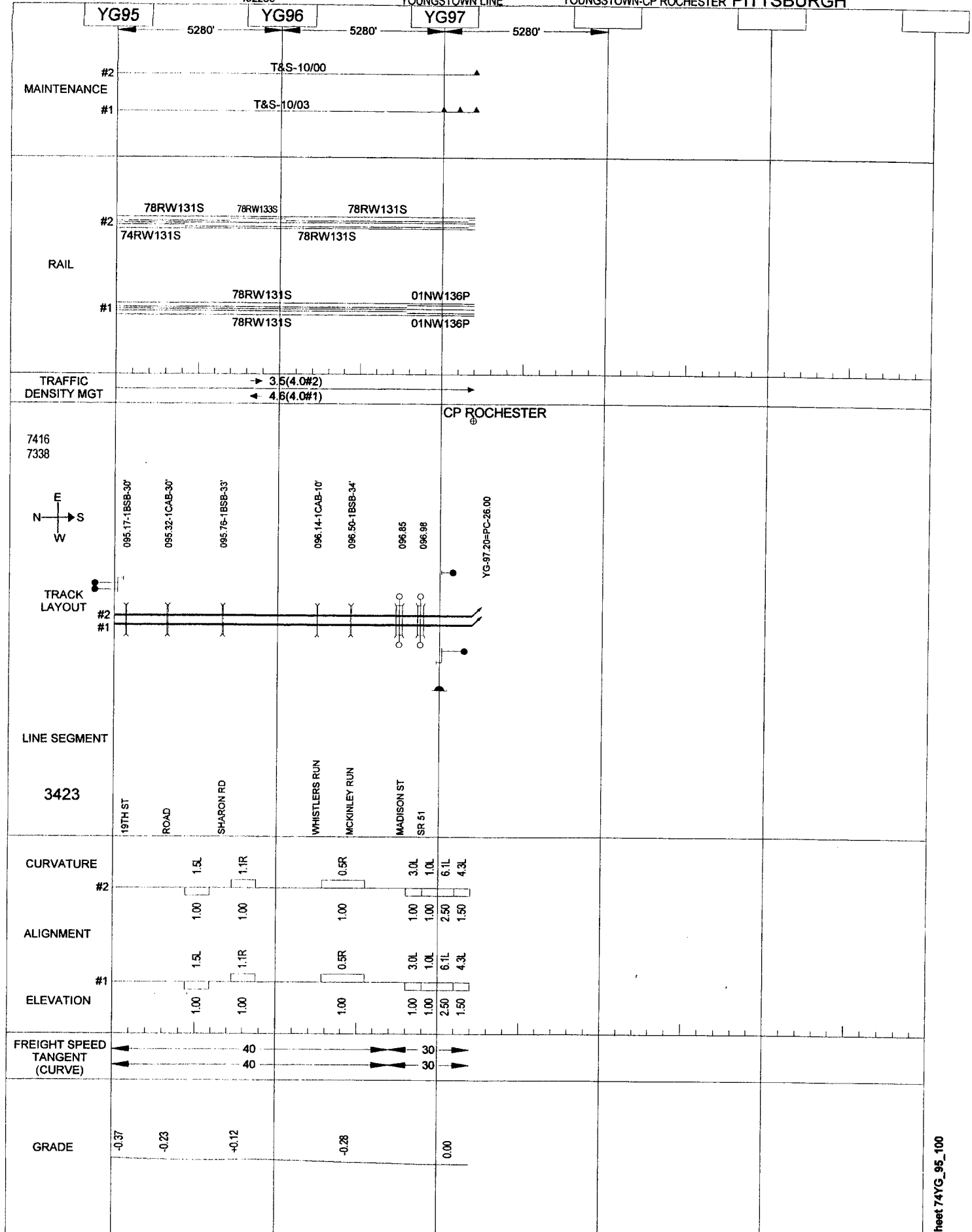
06/14/2006

402233

179

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



06/14/2006

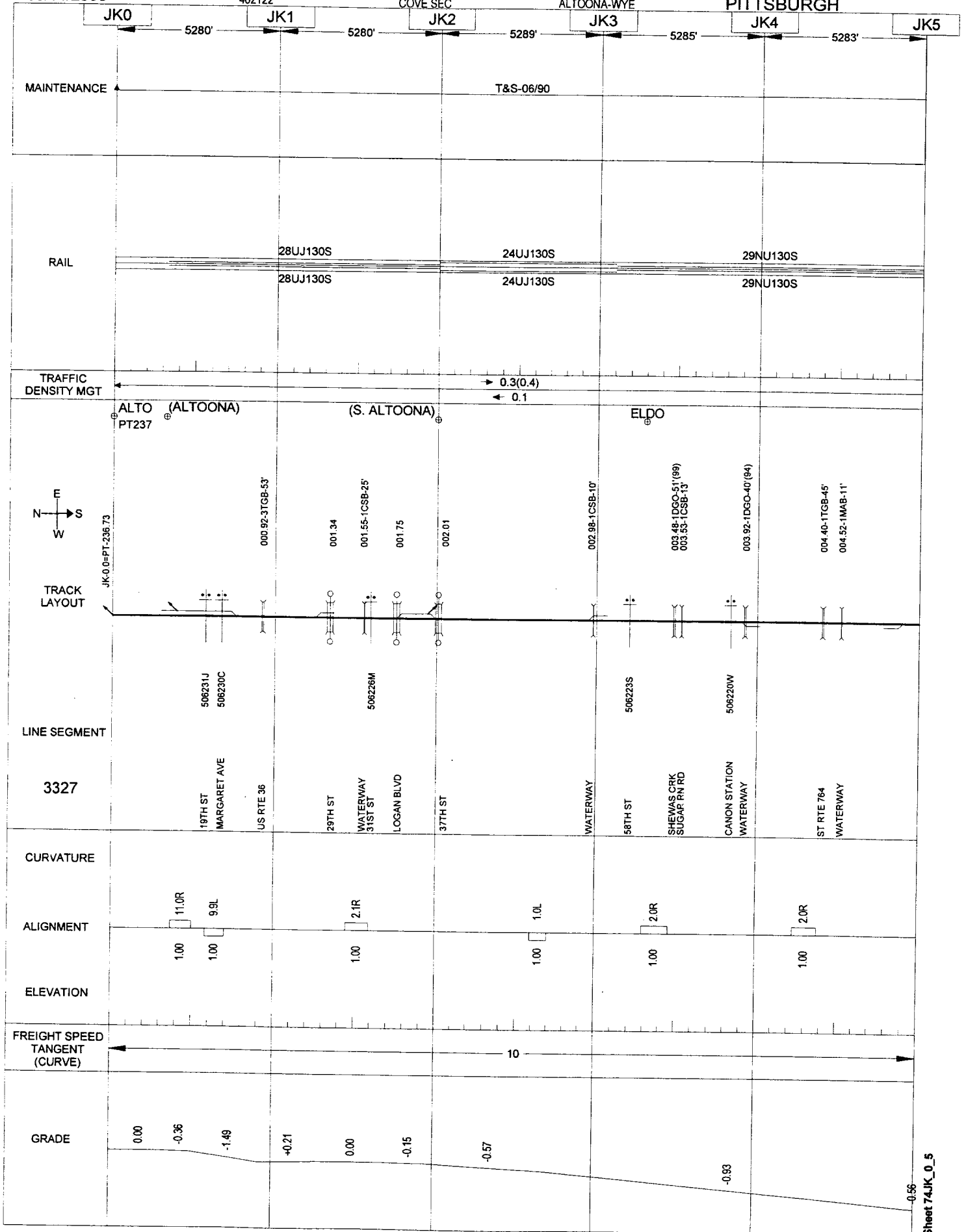
180

402122

COVE SEC

ALTOONA-WYE

PITTSBURGH



06/14/2006

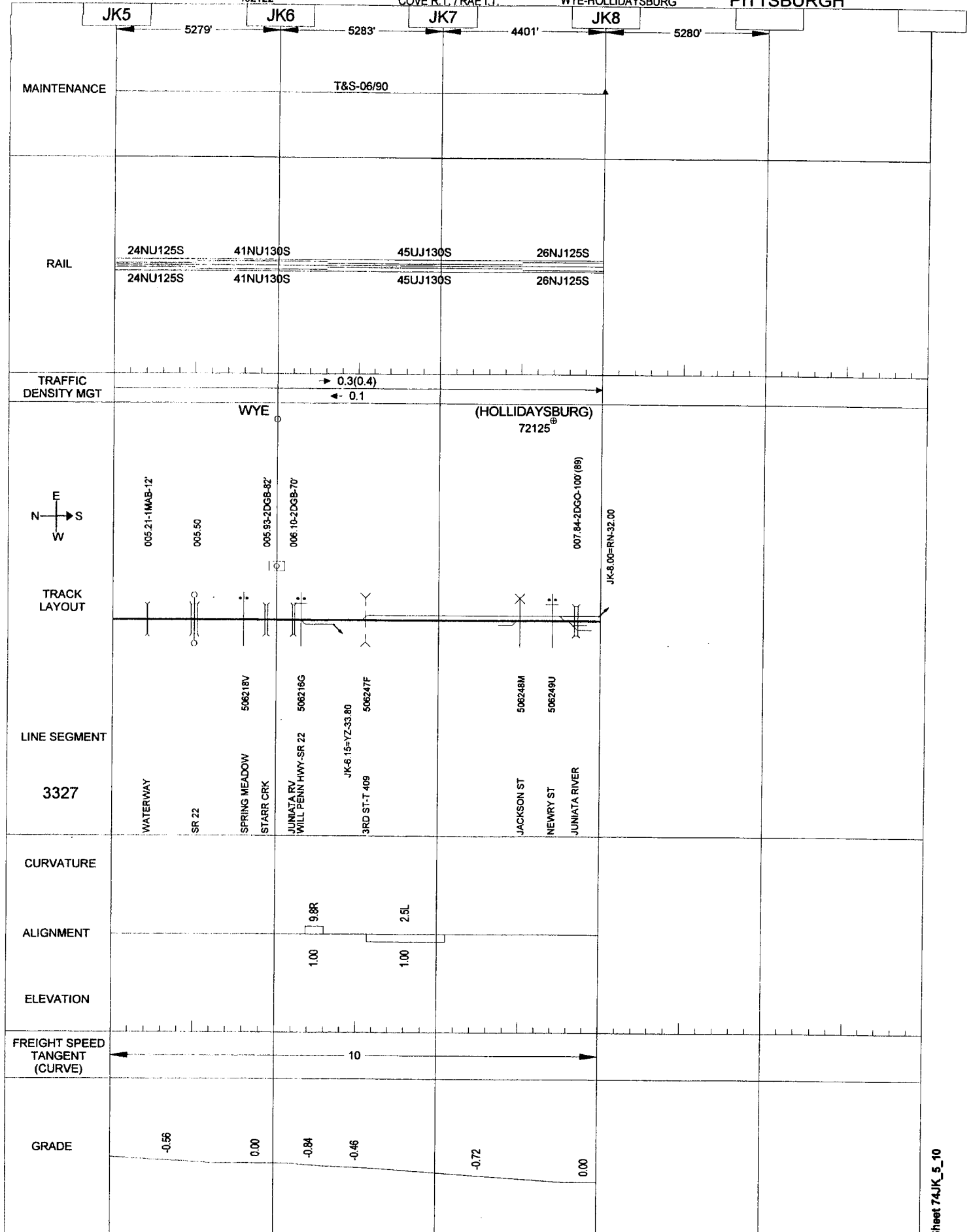
402122

181

COVER T. / RAE I.T.

WYE-HOLLIDAYSBURG

PITTSBURGH



06/14/2006

402122

182

RAE I.T.

HOLLIDAYSBURG YARD

PITTSBURGH

RN28

RN29

RN30

5285'

5251'

MAINTENANCE

T&amp;S-06/46

RAIL

46UJ130S

29NU125S

46UJ130S

29NU125S

TRAFFIC  
DENSITY MGT

0.0(0.0)

0.1(0.4)

0.0

0.3

7013

FRANK

(FRANKSTOWN)  
RN30

028 77-1CSB-30'

029 27-1DGO-29'(B7)

TRACK  
LAYOUT

LINE SEGMENT

3324

508252C

528930V  
506251V

WHITE

TURKEY RUN

ROARING RUN

LOOP ROAD  
CAR SHOP RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.11

+0.20

+0.30

+0.10

0.00

+0.25

06/14/2006

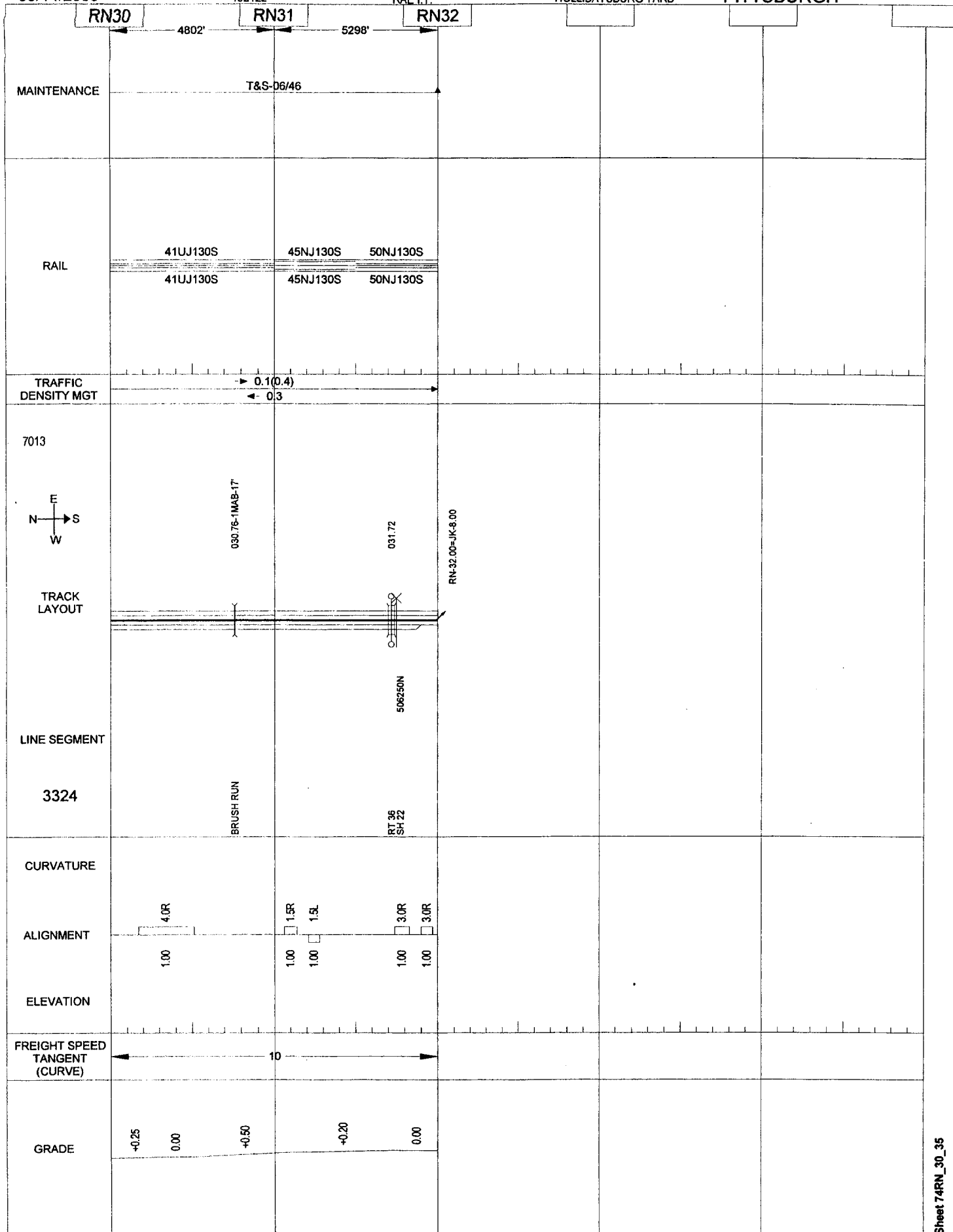
402122

183

RAE I.T.

HOLLIDAYSBURG YARD

PITTSBURGH



06/14/2006

402149

184

BENS CREEK I.T.

PORTAGE-SONMAN

PITTSBURGH

EQ0

EQ1

EQ2

3983'

5280'

2640'

MAINTENANCE

T&S-06/82

RAIL

94RW127S

94RW127S

TRAFFIC  
DENSITY MGT

0.0(0.0)

0.0

0.9(1.2)

0.3

(PORTAGE)

(SONMAN)

EQ2

BC

7024

W  
S → N  
E

TRACK  
LAYOUT

LINE SEGMENT

529269V  
MAIN ST

EQ-1.75-EE-0.0  
SONMAN RD

529272D

SR 2012

529275Y

EQ-2.50=PT-256.80

3531

CURVATURE

ALIGNMENT

ELEVATION

0.5L

1.00

4.5L

1.00

15.0R

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+1.22

+0.92

+0.99

+0.55

+1.38

06/14/2006

402150

185

SONMAN I.T.

BEN CRK BRNCH-MINE

PITTSBURGH

EE0

4224'

MAINTENANCE

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

RAIL

47RJ130S

47RJ130S

TRAFFIC  
DENSITY MGT

7024

(COONEY BROS MINE)  
EE1N  
W — E  
S

000.63

TRACK  
LAYOUT

EE-0.0=EQ-1.75

LINE SEGMENT

3522

COAL TIPPLE

CURVATURE

ALIGNMENT

3.5R  
1.00  
7.5R  
1.00  
5.5L  
1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+2.31

+2.34

06/14/2006

402141

186

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH

SY0

SY1

SY2

SY3

SY4

SY5

6817'

5291'

5269'

5235'

5225'

MAINTENANCE

T&S-08/02

RAIL

92RW127S

92RW127S

TRAFFIC  
DENSITY MGT

1.9(6.5)  
4.6

1.1(4.9)  
3.8

1.1(4.9)  
3.8

7024

CP W

SOUTH FORK  
SY1

FORK

(ST MICHAEL)

(CRESLO)



TRACK  
LAYOUT

SY-0.0=PT-264.53

MAPLE ST  
WEST LEG WYE 529058Y

002.68

003.20

003.57-1850-17(96)

004.67-2DGO-108(97)

LINE SEGMENT

3333

'O' TRACK

TR 53

SR 219

SANDY RUN

529133H

CRESLO RD

MUDDY RUN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

20

GRADE

-0.09

-0.46

-0.94

+0.90

+0.58

+0.15

+0.85

+0.80

+1.11

Sheet 74SY\_0\_5



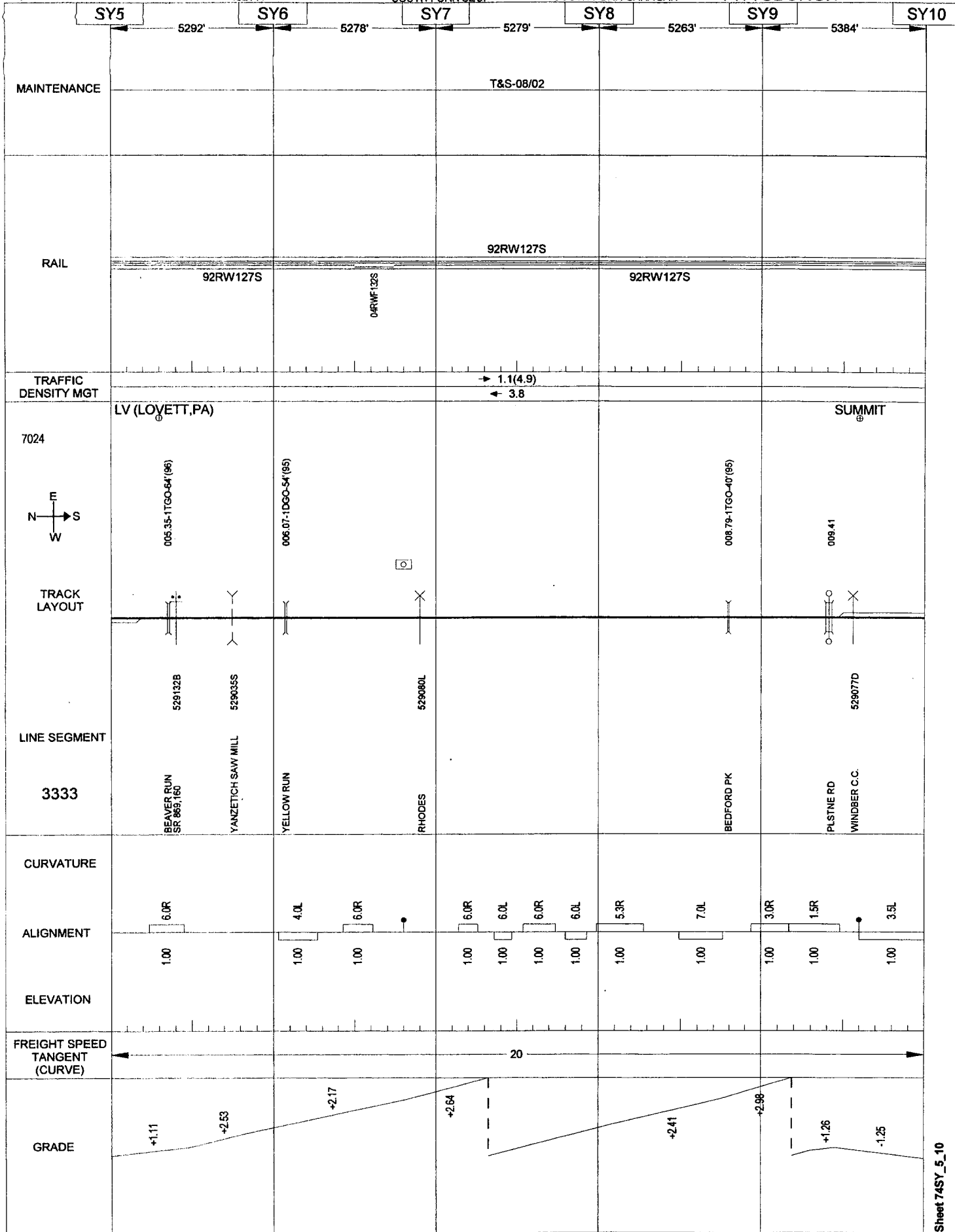
06/14/2006

402141

187  
SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



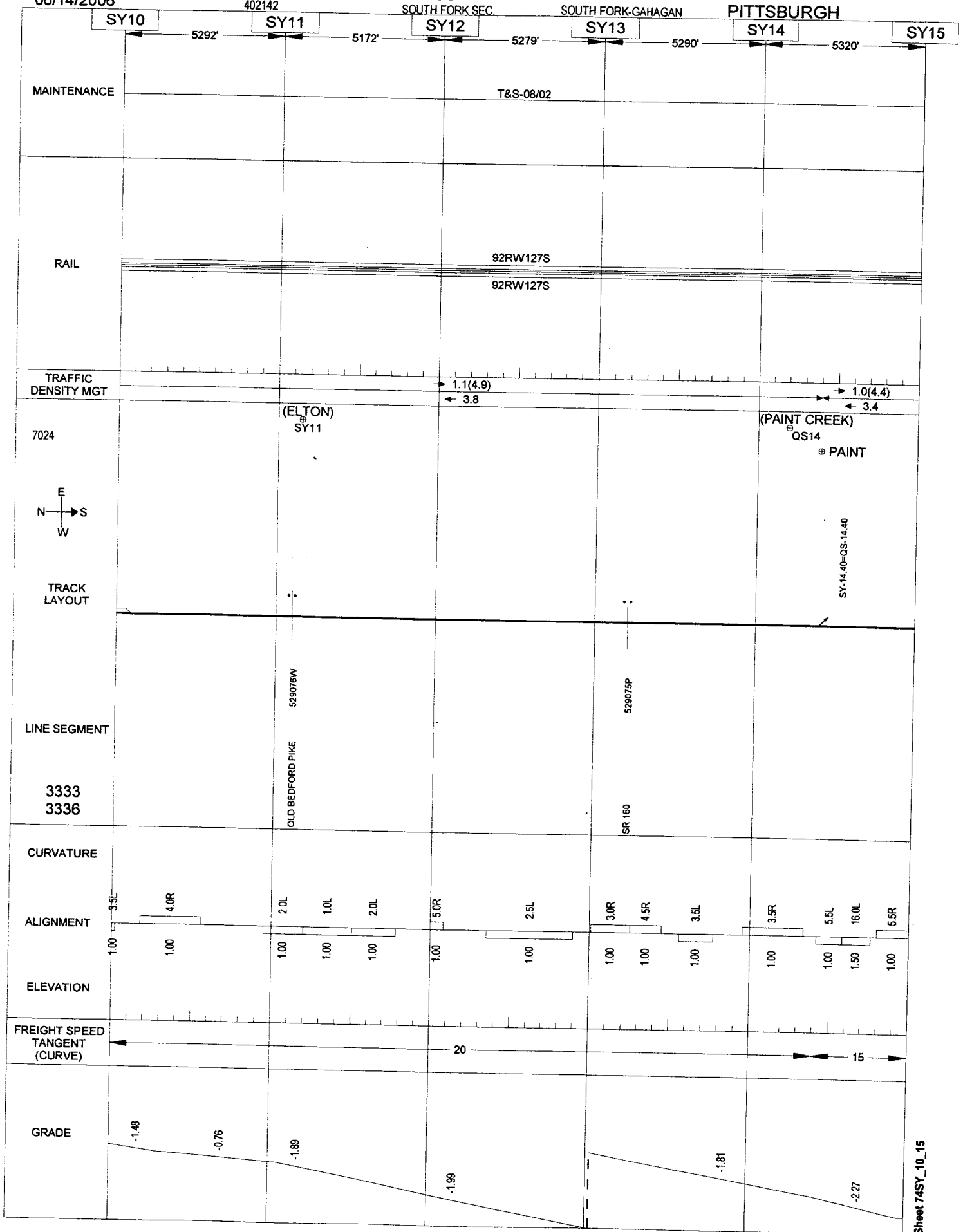
06/14/2006

188

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



06/14/2006

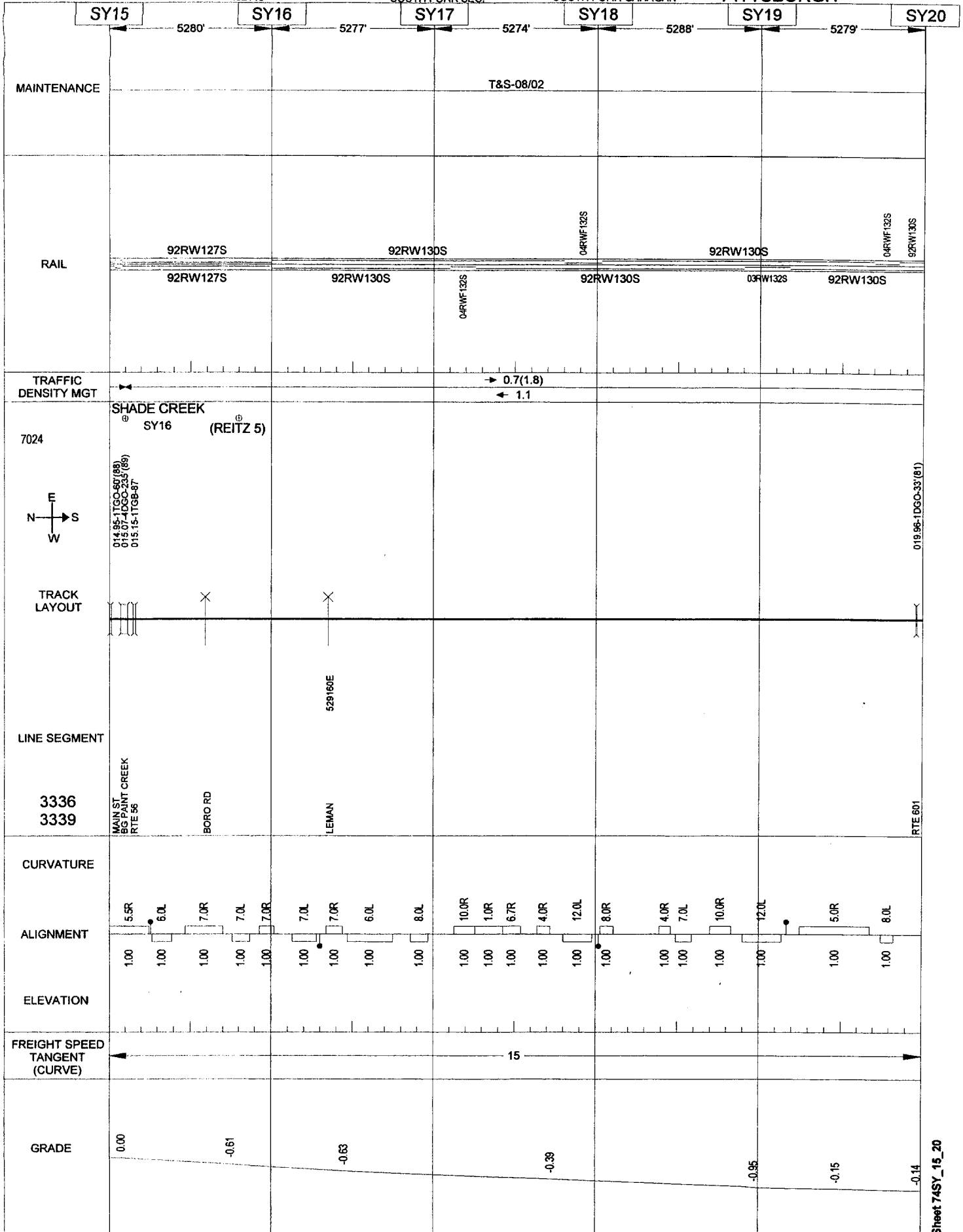
402143

189

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



06/14/2006

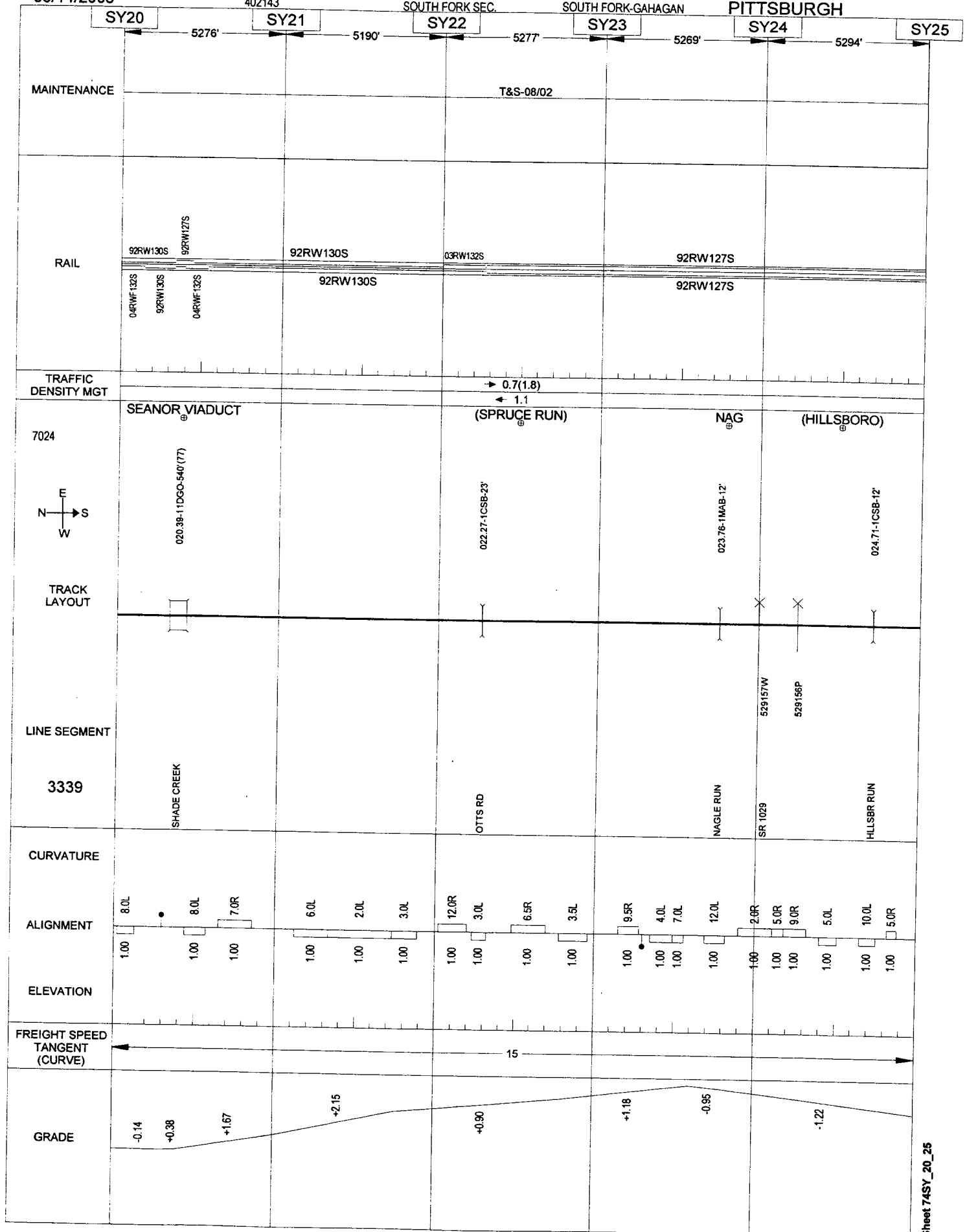
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190

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



06/14/2006

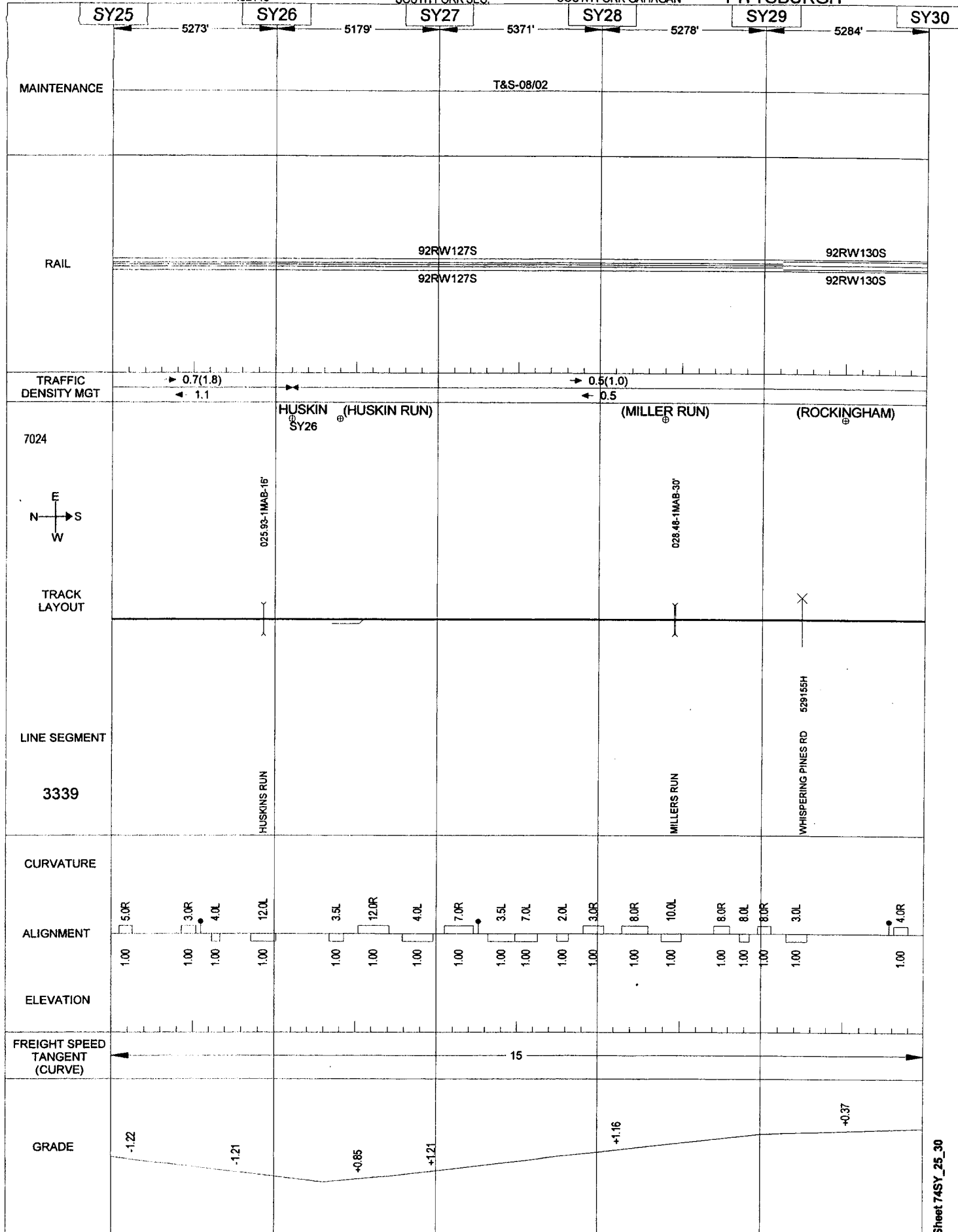
402143

191

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



06/14/2006

402143

192

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH

SY30

SY31

SY32

SY33

SY34

5280'

5280'

5303'

5280'

3477'

MAINTENANCE

T&S-08/02

T&S-06/87  
S-06/93

RAIL

92RW130S

92RW127S

92RW130S

92RW127S

TRAFFIC  
DENSITY MGT

0.0(0.0)

0.0

7024

CAIRNBROOK  
SY31

CENTRAL CITY

(GAHAGAN)  
SY35

E  
N → S  
W

030.97-1CSB-20'

034.13

TRACK  
LAYOUT

LINE SEGMENT

3339

529154B

529153U

529152M

MCGREGOR AVE

L DRK SHD C

SR 160

LAMBERT ST

PRIVATE  
PRIVATE  
TIPPLE

CURVATURE

ALIGNMENT

ELEVATION

3.0L  
1.00

5.0R  
1.00

2.0L  
1.00

5.0L  
1.00

6.0R  
1.00

3.0R  
1.00

6.5R  
1.00

5.0L  
1.00

7.5L  
1.00

3.0L  
1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

15

10

GRADE

0.00

+0.10

+0.38

+1.68

+0.34

+2.51

+1.72

+3.34

+1.54

+0.77

+1.56

06/14/2006

402141

193  
SOUTH FORK I.T.

PAINT-WINDBER JUNCTION

PITTSBURGH

QS15

5280'

MAINTENANCE

T&S-06/81  
S-06/87

RAIL

22NU110S 28UJ130S  
22NU110S 28UJ130S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)  
← 0.0  
(SCALP LEVEL)

7024



TRACK  
LAYOUT

QS-14.40-SY-14.40

LINE SEGMENT

3342

CURVATURE

ALIGNMENT

ELEVATION

8.0L 8.0R 12.0L  
1.00 1.00 1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

← 10 →

GRADE

-0.32

06/14/2006

402141

194

SOUTH FORK I.T.

PAINT-WINDBER JUNCTION

PITTSBURGH

QS15

QS16

5277'

5223'

MAINTENANCE

T&S-06/81  
S-06/87

RAIL

28UJ130S

28UJ130S

TRAFFIC  
DENSITY MGT→ 0.0(0.0)  
← 0.0

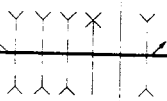
7024

SHADE CREEK

(WINDBER JCT)  
QS18

015.07-ITGO-41(89)

QS-16.13=XT-0.0

E  
N → S  
WTRACK  
LAYOUT

LINE SEGMENT

3342

JHNSTWN PK

7TH ST.

11TH ST

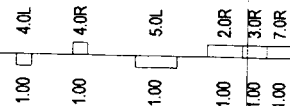
8TH ST

GRAHAM ST

15TH ST

CURVATURE

ALIGNMENT

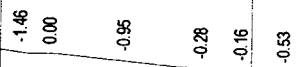


ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE





06/14/2006

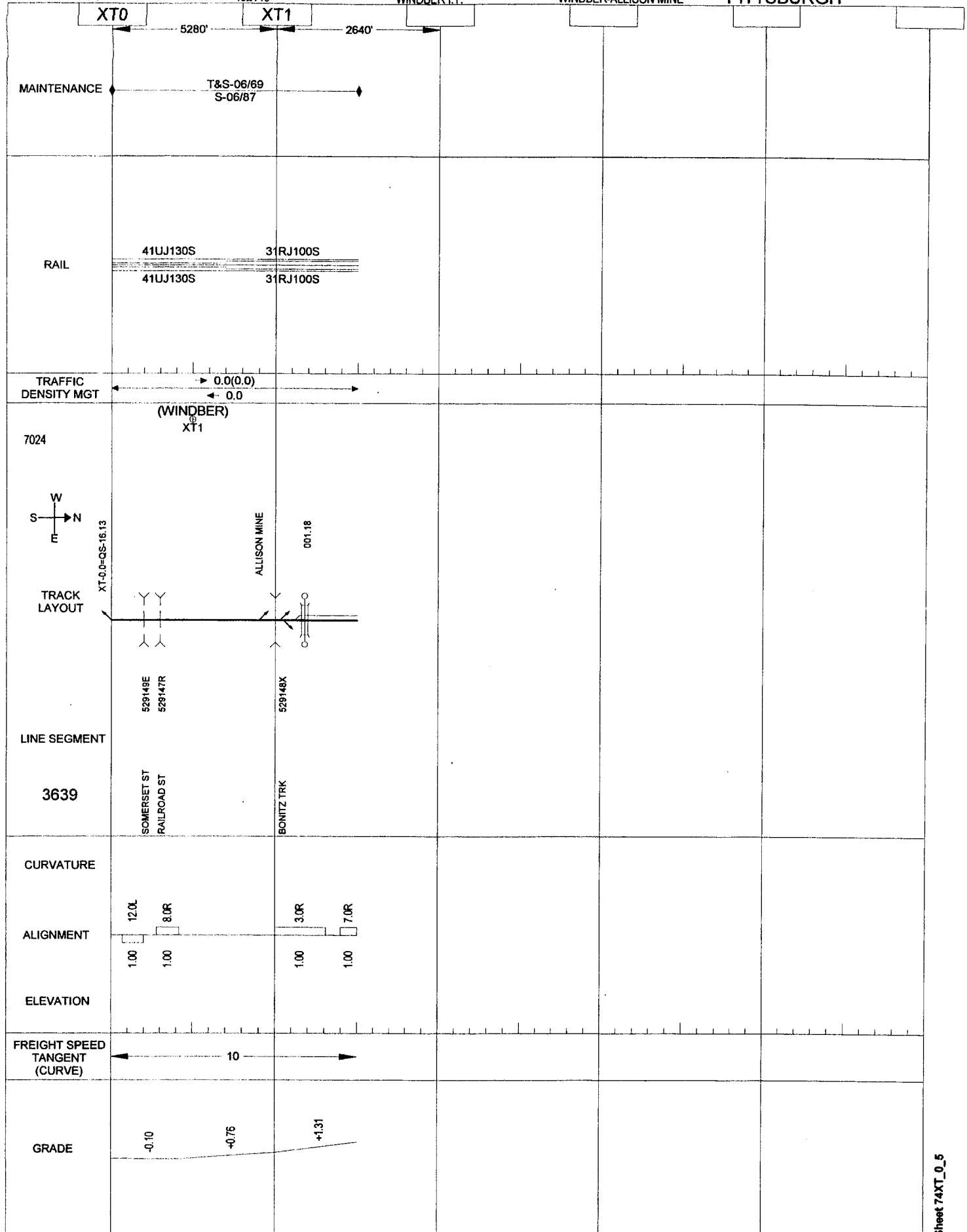
402145

195

WINDBER I.T.

WINDBER-ALLISON MINE

PITTSBURGH



06/14/2006

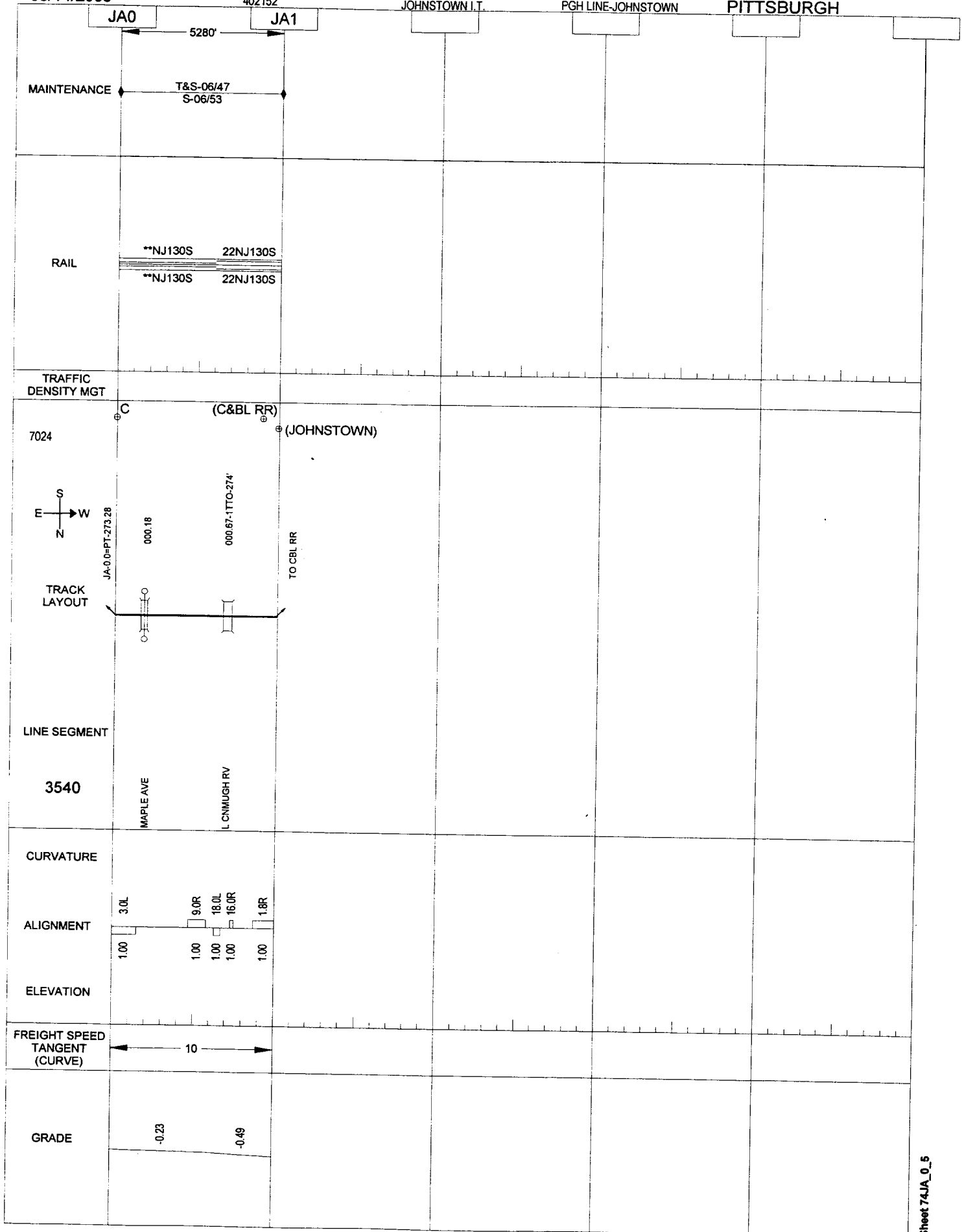
402152

196

JOHNSTOWN I.T.

PGH LINE-JOHNSTOWN

PITTSBURGH



06/14/2006

402285

197

UNITY LT.

CP TROBE-LATROBE

PITTSBURGH

UNO

5280'

MAINTENANCE

RAIL

55NJ130S

55NJ130S

TRAFFIC  
DENSITY MGT

7025

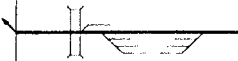
CP TROBE

(LATROBE)

S  
E → W  
N

UN-0.0-PT-312.73

000.22-4DGC-205 (99)

TRACK  
LAYOUT

LINE SEGMENT

UNITY YARD

3618

LYLHNN CRK

CURVATURE

6.0L

ALIGNMENT

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

-0.47

-0.88

+0.21

06/14/2006

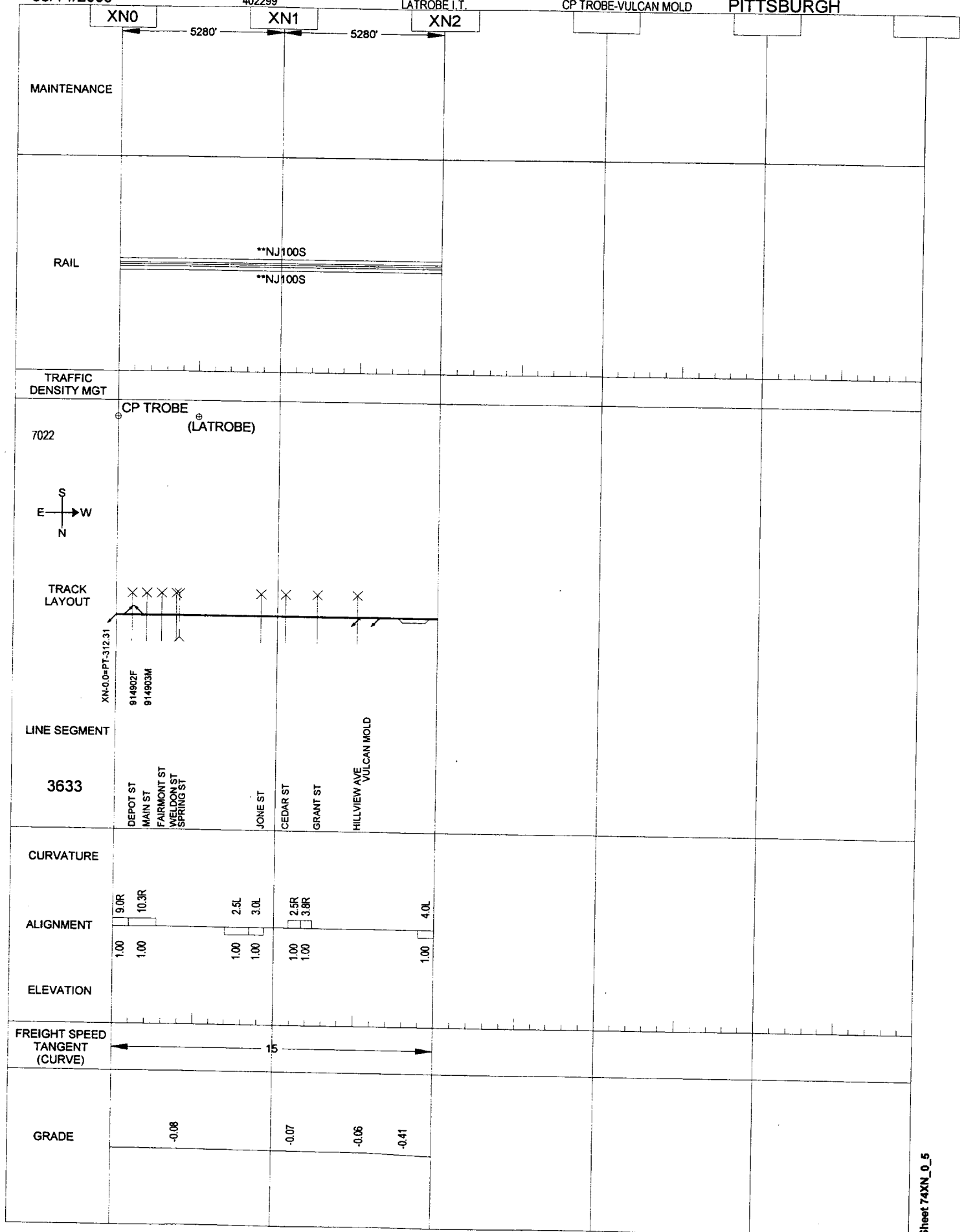
402299

198

LATROBE I.T.

CP TROBE-VULCAN MOLD

PITTSBURGH



06/14/2006

402218

199  
SOUTHWEST I.T.

RADEBAUGH

PITTSBURGH

KQ0

4601'

MAINTENANCE

T&S-06/90

RAIL

28UJ130S

28UJ130S

TRAFFIC  
DENSITY MGT

7025

CP RAD (RADEBAUGH)  
PT325

W  
S — N  
E

TRACK  
LAYOUT

KQ-0.0-PT-325.06

SW PA RR CO.

LINE SEGMENT

3558

CURVATURE

ALIGNMENT

2.0L

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

06/14/2006

402277

200

TURTLE CREEK I.T.

CP TRAFF-END

PITTSBURGH

TV0

5280'

MAINTENANCE

RAIL

29NJ130S

29NJ130S

TRAFFIC  
DENSITY MGT

7025

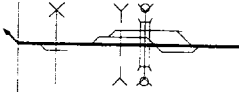
(TRAFFORD)  
CP TRAFF 87523

N  
W — E  
S

TV-0-0=PT-336.45

000.51

TRACK  
LAYOUT



LINE SEGMENT

3612

PRIVATE

504675V

504677J

4TH ST  
WESTINGHOUSE ELEC  
SR 993

CURVATURE

ALIGNMENT

15.0L

3.2R

8.7L

8.0R

1.00

1.00

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

-0.74

+0.42

+0.25

06/14/2006

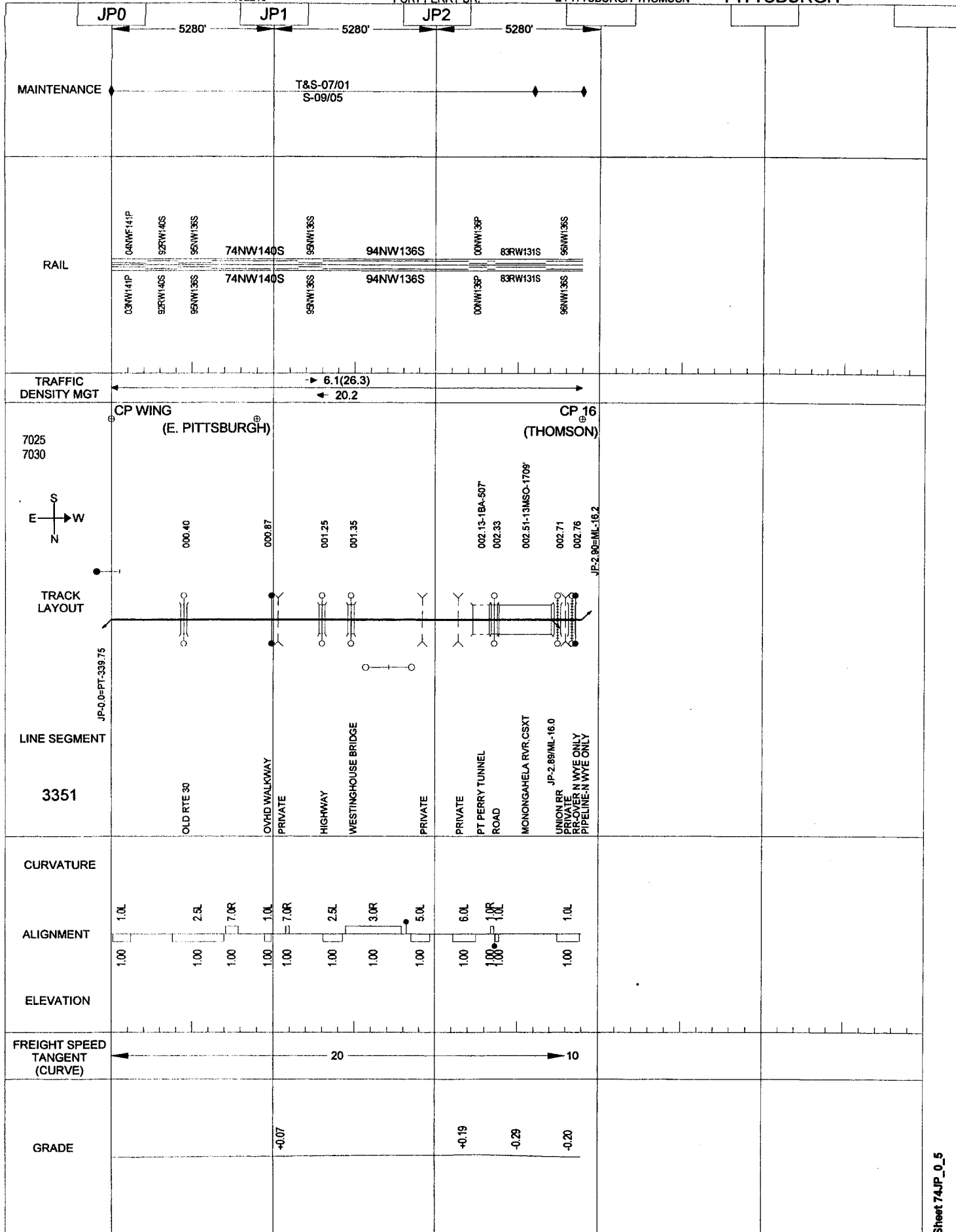
402219

201

PORT PERRY BR.

E PITTSBURGH-THOMSON

PITTSBURGH



06/14/2006

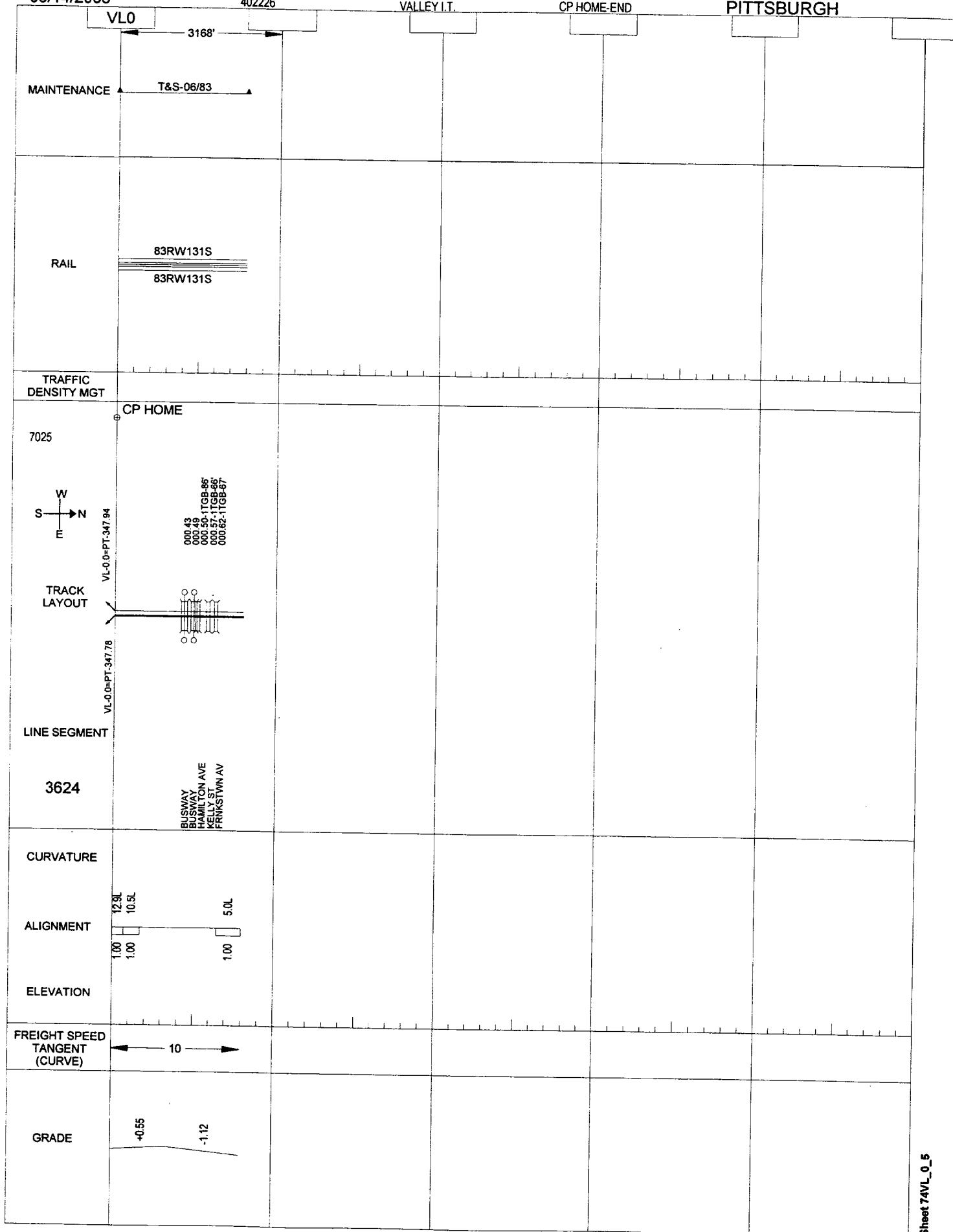
402226

202

VALLEY I.T.

CP HOME-END

PITTSBURGH





06/14/2006

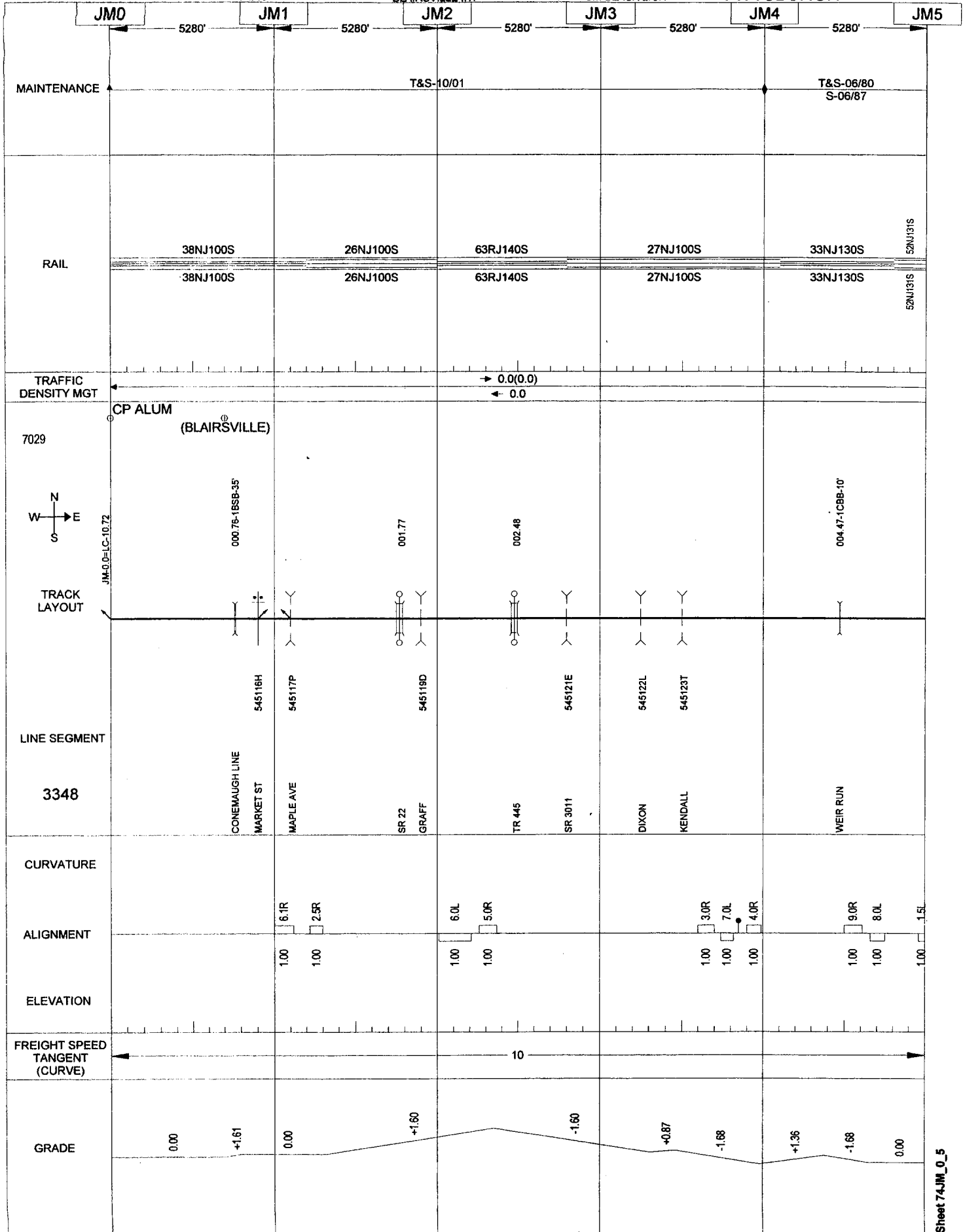
402240

203

BLAIRSVILLE I.T.

CP ALUM-BLACK LICK

PITTSBURGH



06/14/2006

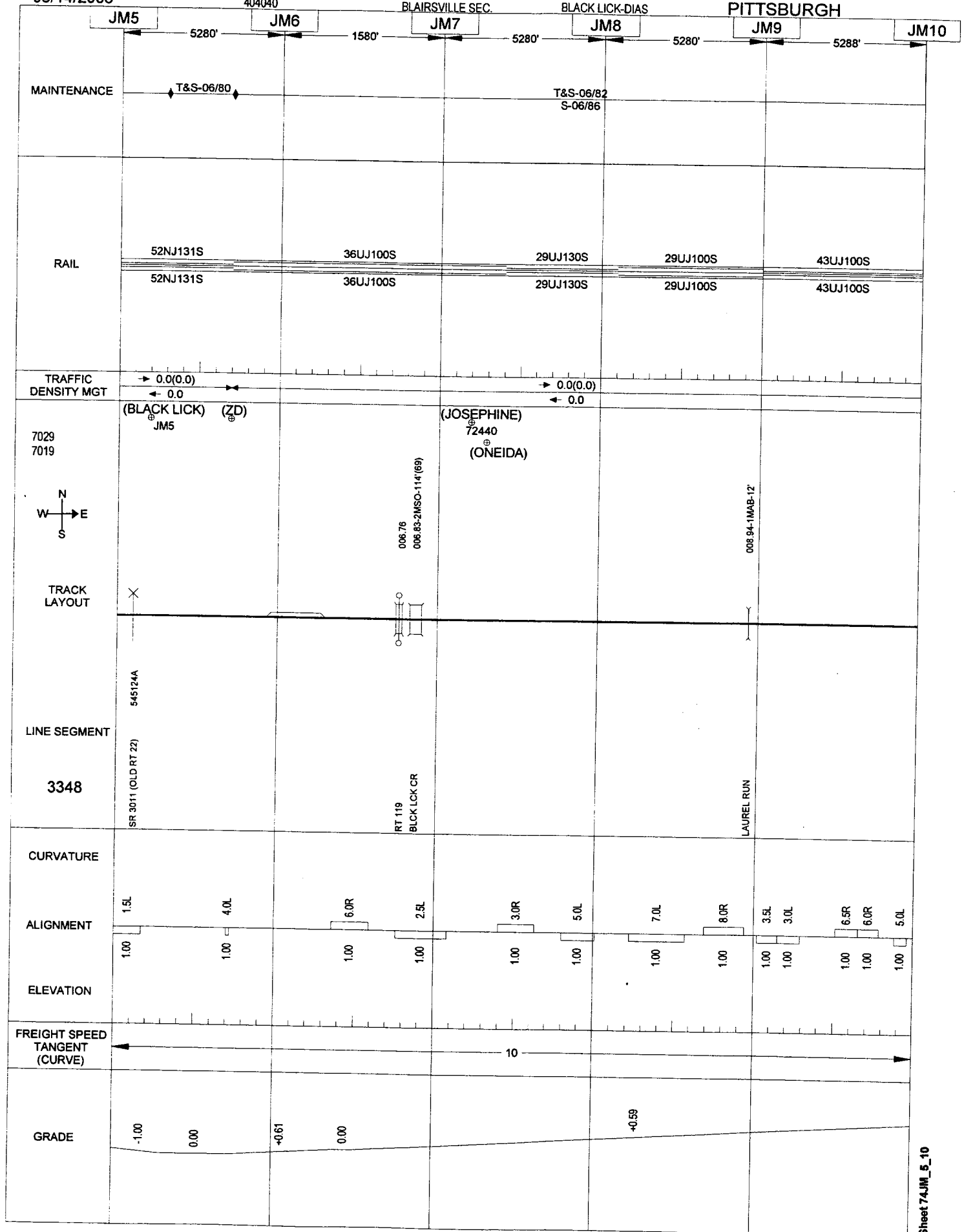
404040

204

BLAIRSVILLE SEC.

BLACK LICK-DIAS

PITTSBURGH



06/14/2006

404040

205

BLAIRSVILLE SEC.

BLACK LICK-DIAS

PITTSBURGH

JM10

JM11

JM12

JM13

JM14

JM15

5279'

5285'

5280'

5278'

5287'

MAINTENANCE

T&S-06/82  
S-06/86

RAIL

43UJ100S 43UJ140S

25UJ100S

36UJ100S

43UJ100S 43UJ140S

25UJ100S

36UJ100S

TRAFFIC  
DENSITY MGT→ 0.0(0.0)  
← 0.0

7019

(HESBON)  
JM12

(CLAGHORN)

S  
E → W  
N

012.30-1850-23(69)

014.42-1800-49(69)

TRACK  
LAYOUT

LINE SEGMENT

3348

AULDS RUN  
SH 259  
529205J  
C H SIDING

BRUSH CREEK

CURVATURE

ALIGNMENT

6.0R  
1.009.0L  
1.002.0L  
1.006.0R  
1.007.0R  
1.007.0L  
1.008.0L  
1.005.0R  
1.005.5R  
1.004.0L  
1.005.0R  
1.005.0L  
1.005.0R  
1.005.5R  
1.003.0R  
1.003.0L  
1.001.0R  
1.004.0L  
1.008.0L  
1.003.0L  
1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.59

06/14/2006

404040

206

BLAIRSVILLE SEC.

BLACK LICK-DIAS

PITTSBURGH

JM15

JM16

JM17

4987'

5587'

5264'

MAINTENANCE

T&S-06/82  
S-06/86

T&S-06/82

RAIL

36UJ100S

36UJ100S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)  
← 0.0

7019

(DIAS)  
JM16

S  
E → W  
N

015.83

016.48-180-15(69)

016.80

TRACK  
LAYOUT

LINE SEGMENT

3348

SR 56

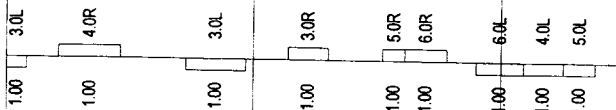
DIAS RUN

TIPPLE

CURVATURE

ALIGNMENT

ELEVATION



FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.59

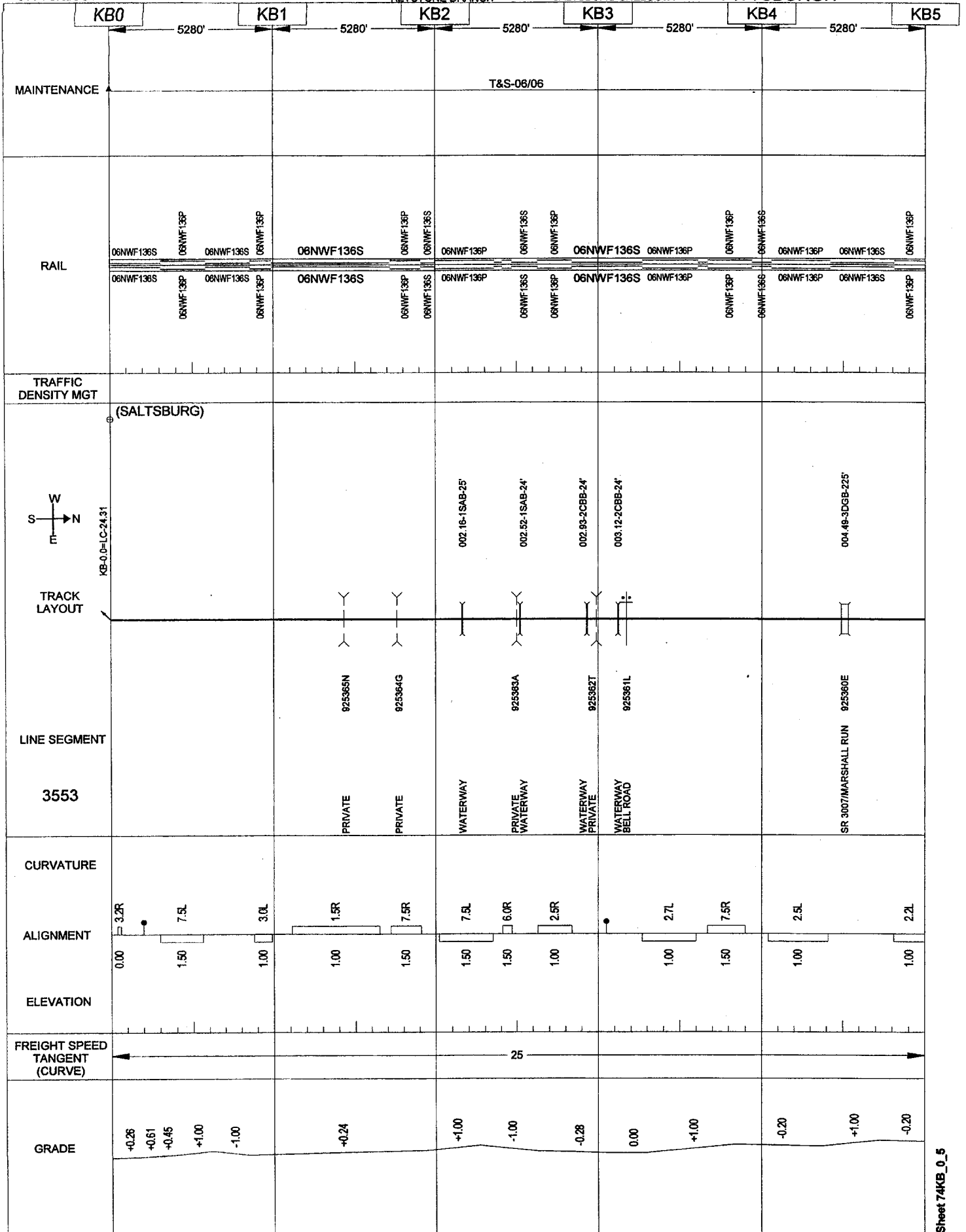
07/13/2006

207

KEYSTONE BRANCH

SALTSBURG-SHELOCTA

PITTSBURGH



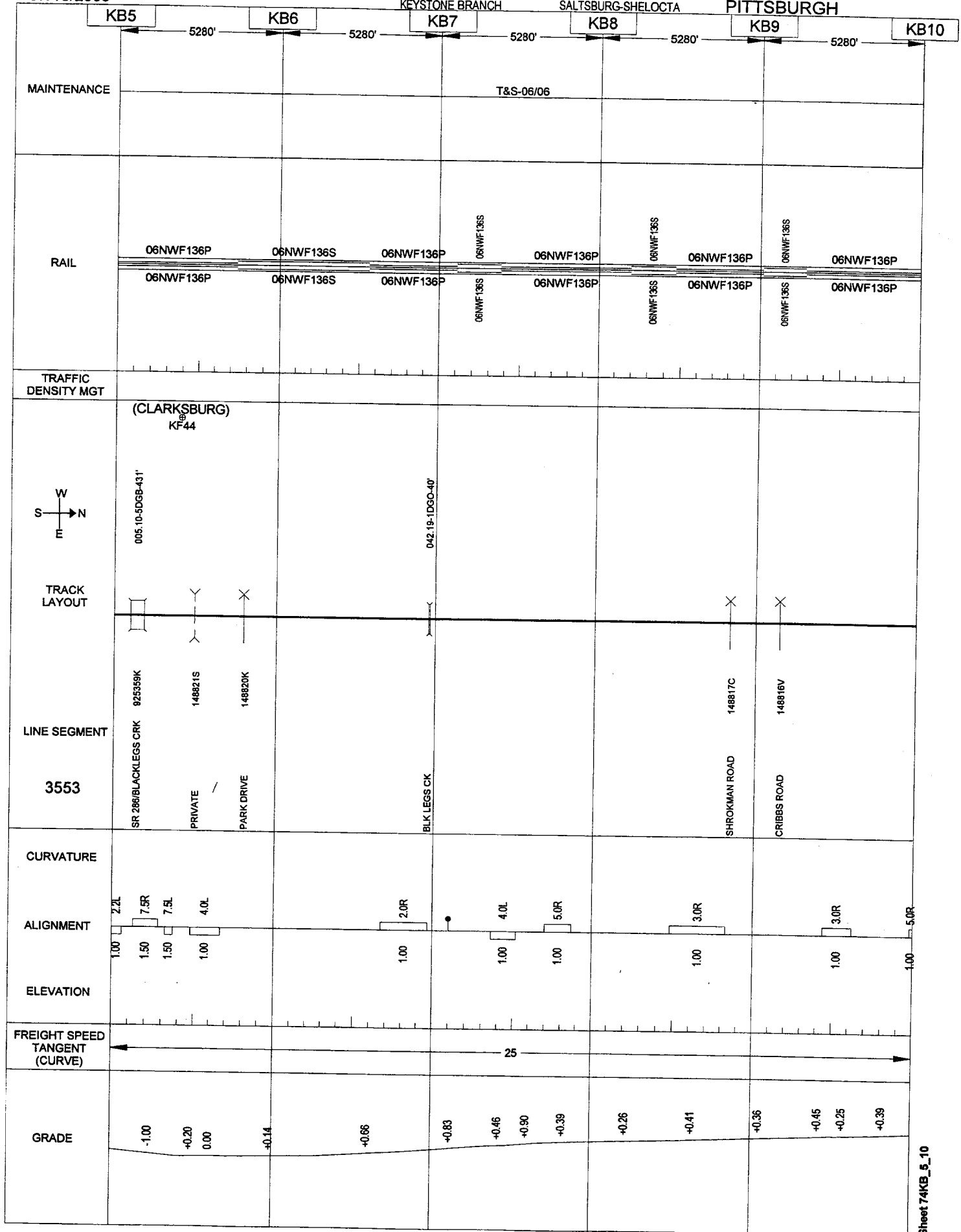
07/13/2006

208

KEYSTONE BRANCH

SALTSBURG-SHELOCTA

PITTSBURGH



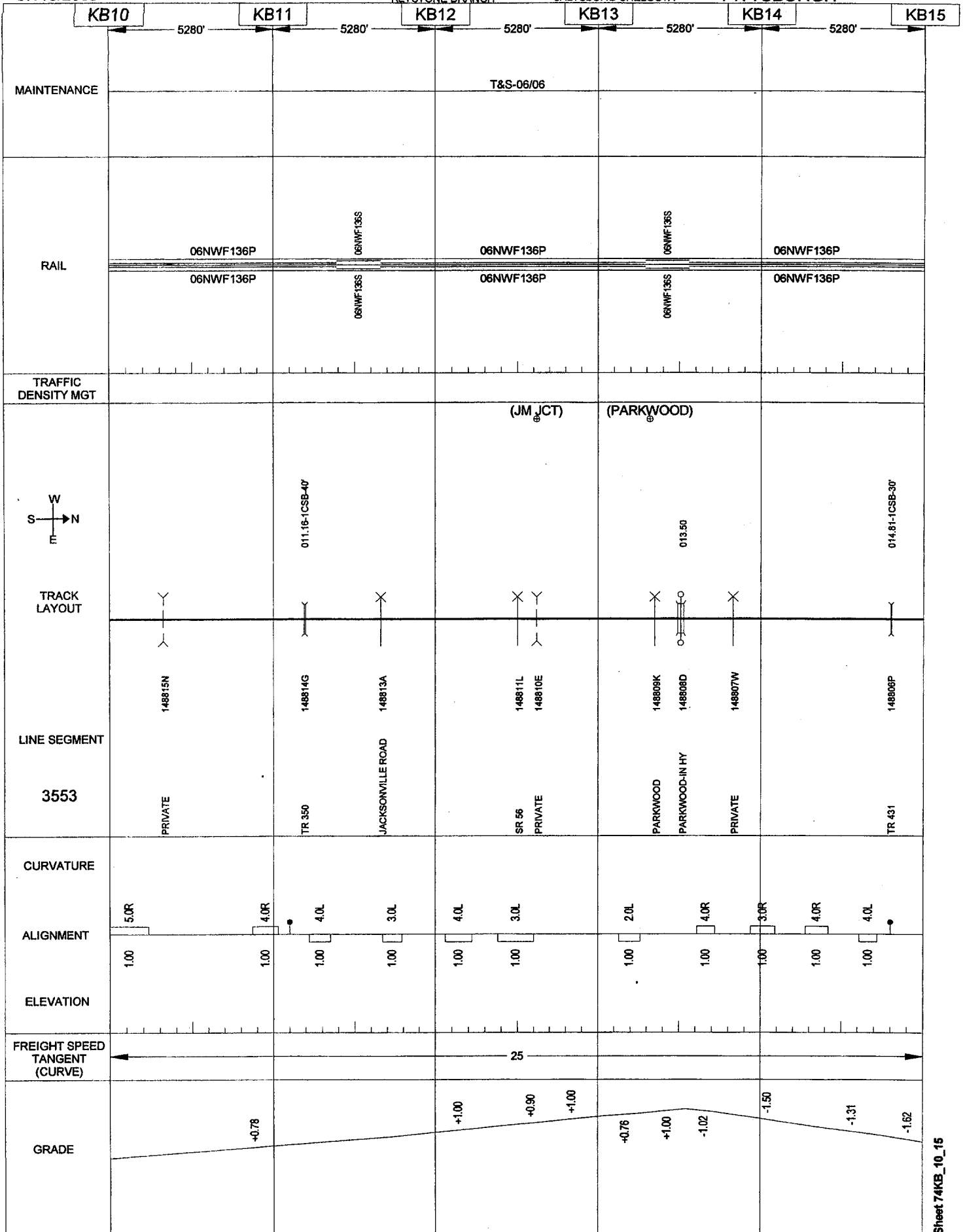
07/13/2006

209

KEYSTONE BRANCH

SALTSBURG-SHELOCTA

PITTSBURGH



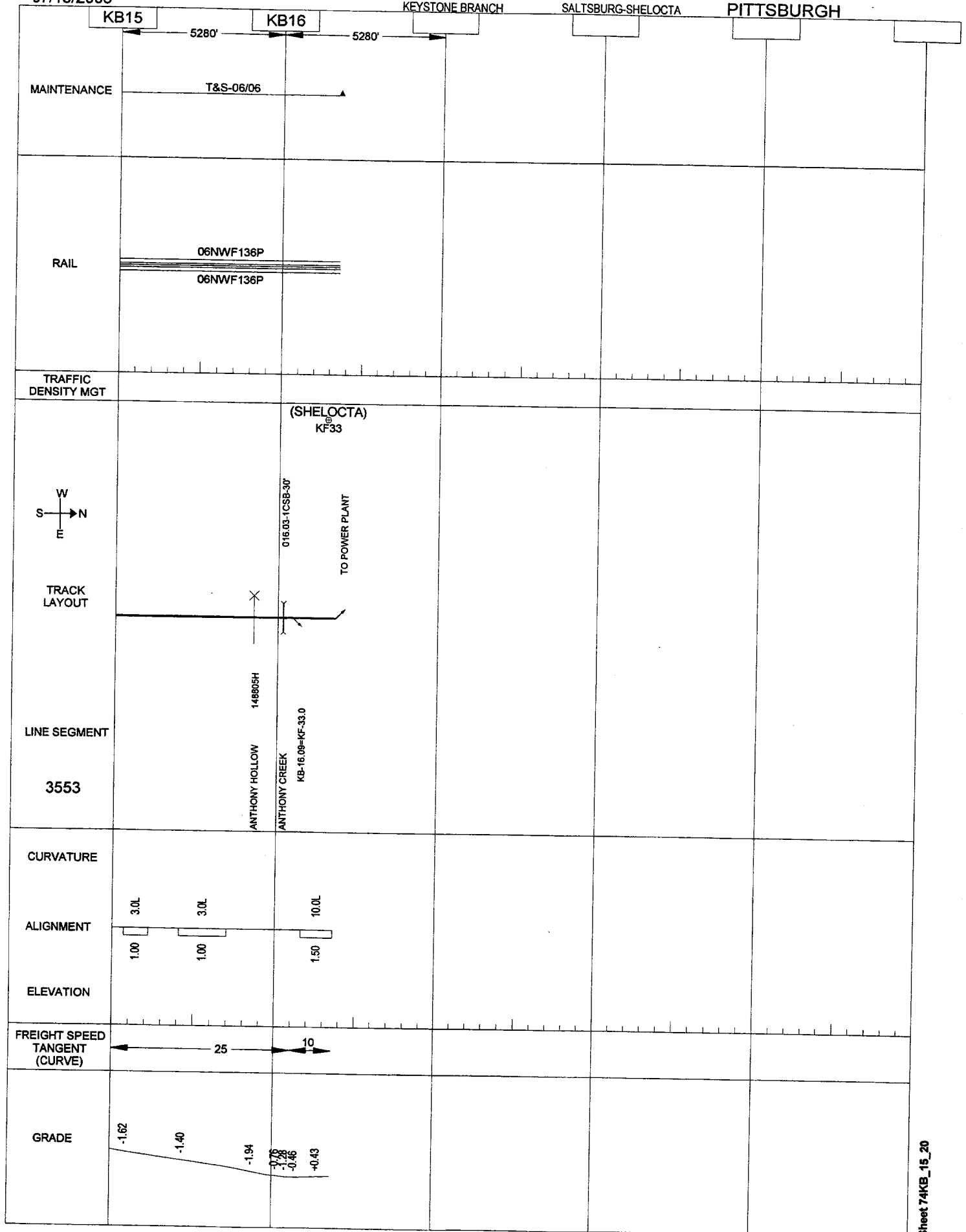
07/13/2006

210

KEYSTONE BRANCH

SALTSBURG-SHELOCTA

PITTSBURGH





06/14/2006

408009

211

SHELOCTA R.T.

DC TOWER-CREEKSIDE

PITTSBURGH

RA2

RA3

RA4

RA5

5280'

5280'

5280'

MAINTENANCE

RAIL

40RJ100S

40RJ130S

40RJ100S

40RJ100S

40RJ130S

40RJ100S

TRAFFIC  
DENSITY MGT

→ 3.7(4.7)

← 1.0

(ROSSITER)

(JUNEAU)

S  
E → W  
N

TRACK  
LAYOUT

LINE SEGMENT

3597

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.17

+0.35

+0.95

+1.28

06/14/2006

408009

212

SHELOCTA R.T.

DC TOWER-CREEKSIDE

PITTSBURGH

RA5

RA6

RA7

RA8

RA9

RA10

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

RAIL

40RJ131S

40RJ130S

40RJ131S

40RJ131S

40RJ130S

40RJ131S

TRAFFIC  
DENSITY MGT

→ 3.7(4.7)

← 1.0

(LOCUST)

S  
E → W  
N

TRACK  
LAYOUT

LINE SEGMENT

3597

CURVATURE

ALIGNMENT

4.0L

4.9R

6.1R

5.0L

4.0R

4.0L

2.0L

4.0R

5.5L

2.0L

3.0R

3.0L

6.5R

4.0R

3.0L

9.0R

6.0R

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

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+1.39

+1.36

+1.42

+1.52

+1.22

+1.26

+0.80

+0.07

-1.02

-1.60

-0.91

-1.21

-1.36

-1.01

-1.09

06/14/2006

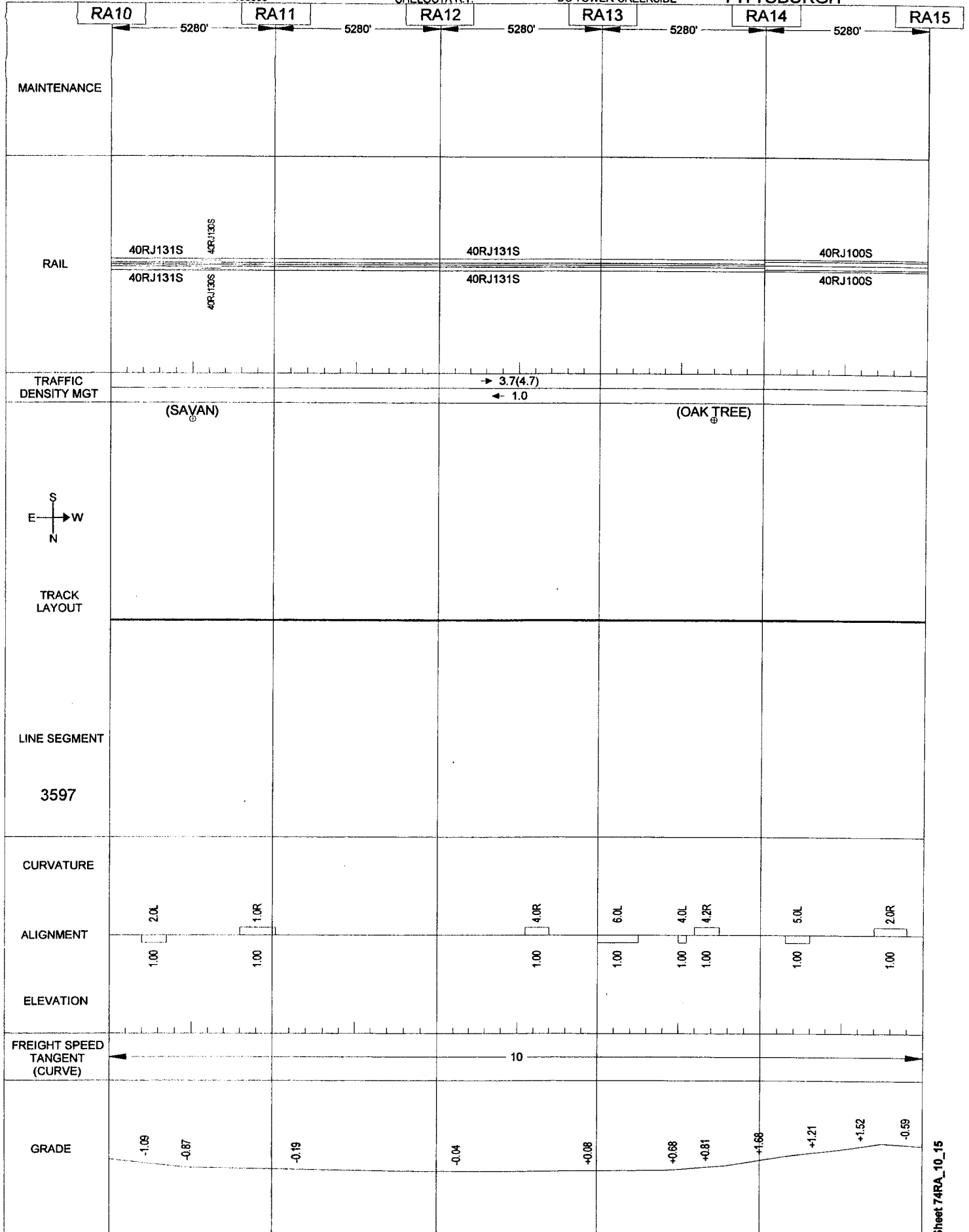
408009

213

SHELOCTA R.T.

DC TOWER-CREEKSIDE

PITTSBURGH



06/14/2006

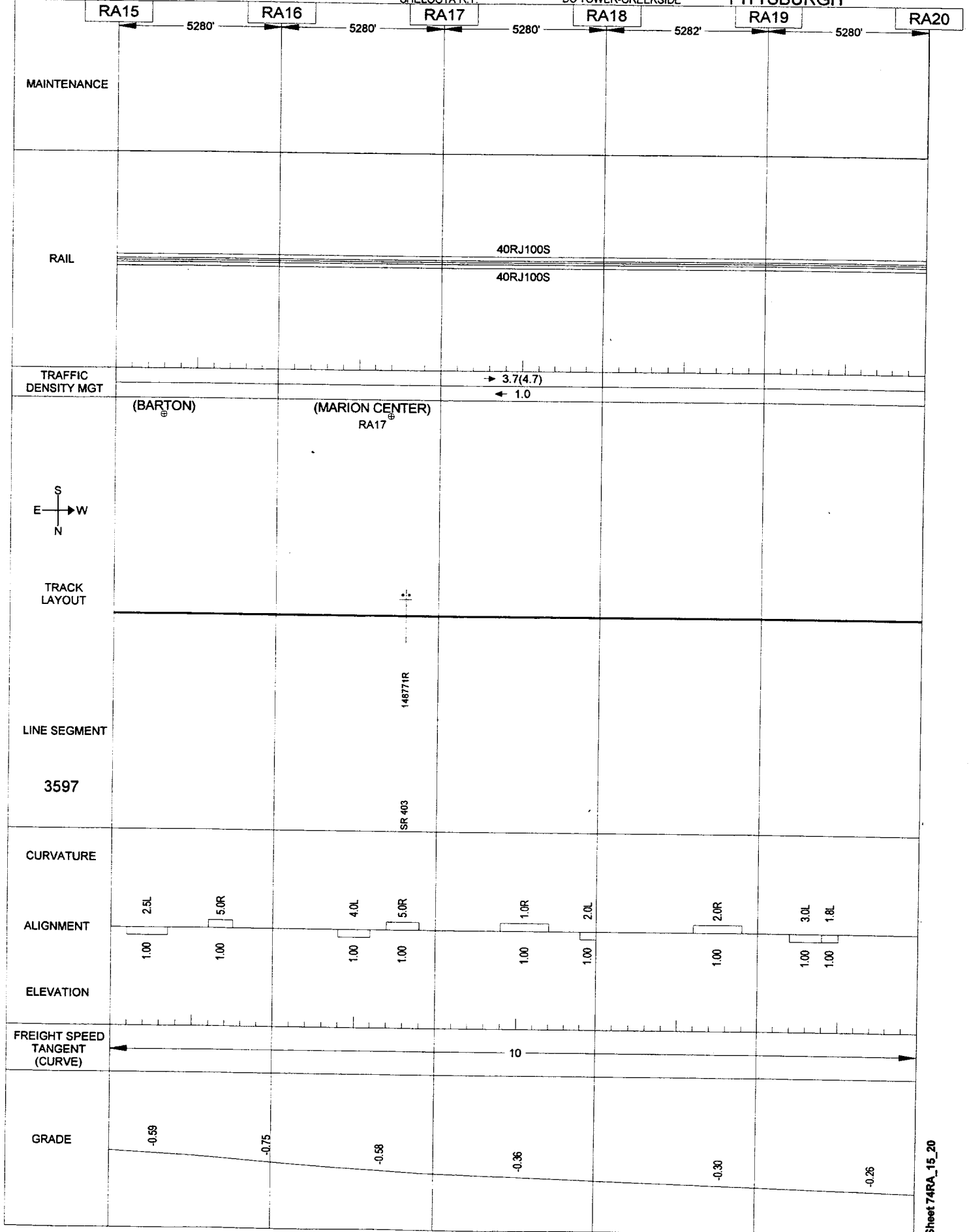
408009

214

SHELOCTA R.T.

DC TOWER-CREEKSIDE

PITTSBURGH



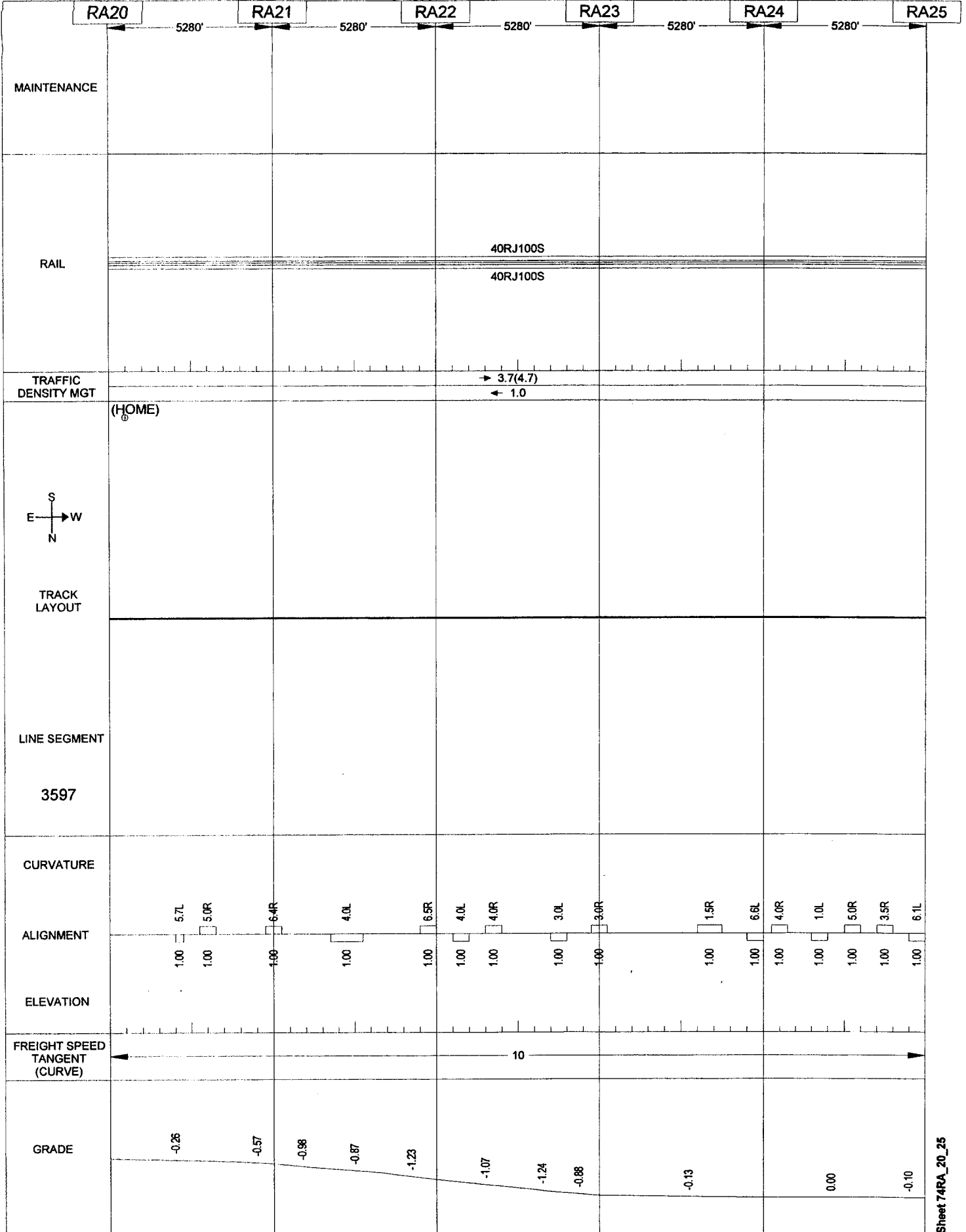
06/14/2006

408009

215  
SHELOCTA R.T.

DC TOWER-CREEKSIDE

PITTSBURGH



06/14/2006

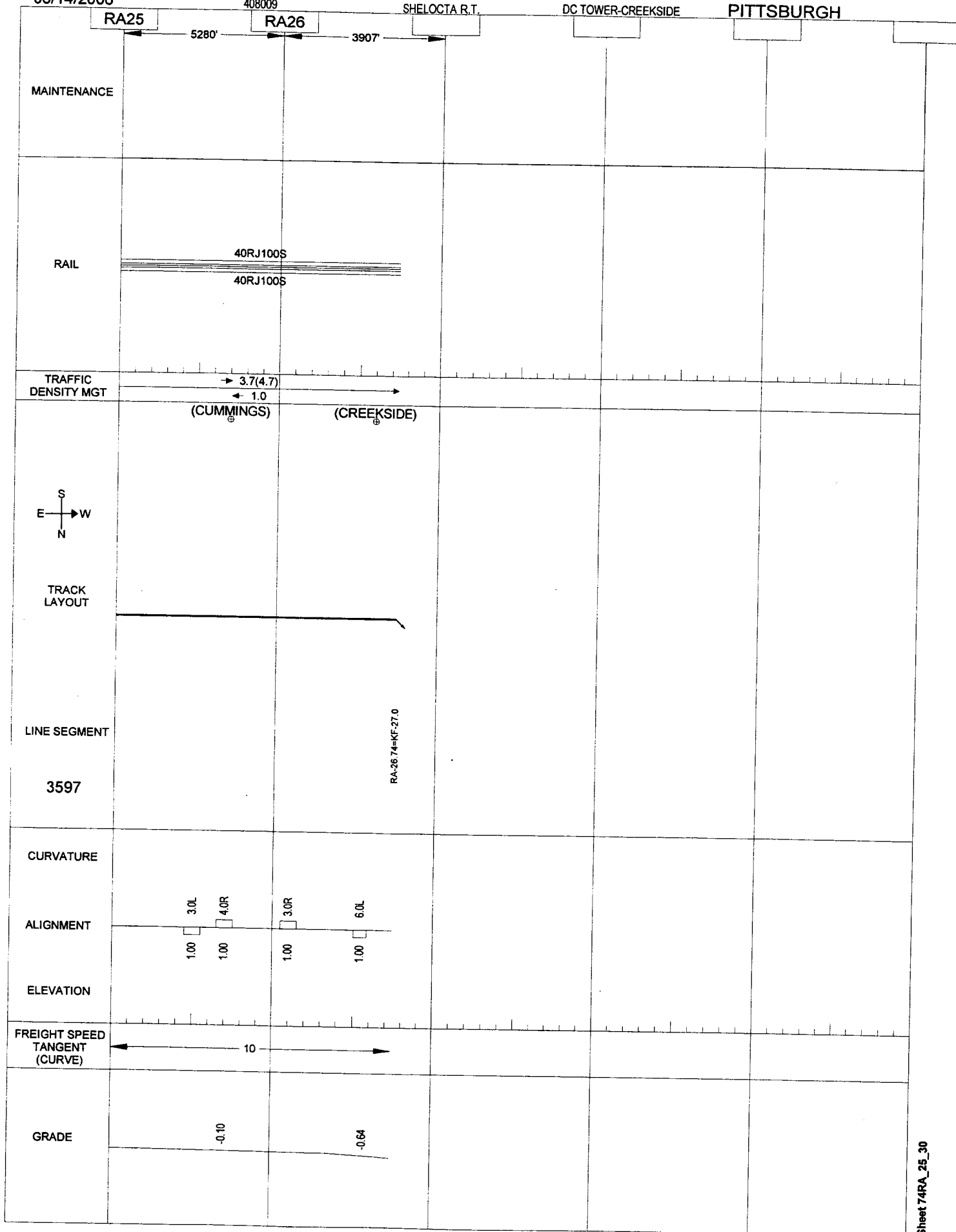
408009

216

SHELOCTA R.T.

DC TOWER-CREEKSID

PITTSBURGH



06/14/2006

408008

217  
SHELOCTA R.T.

CREEKSIDE-SHELOCTA

PITTSBURGH

KF27

KF28

KF29

KF30

5280'

5280'

5280'

MAINTENANCE

RAIL

31RJ100S

31RJ100S

TRAFFIC  
DENSITY MGT

→ 3.7(4.7)

← 1.0

S  
E → W  
NTRACK  
LAYOUT(CREEKSIDE)  
KF27027 08-2BSO-79(65)  
027 16-2CAB-32'

027.37

027 64-3DGO-150(01)

029 97-1DGO-30'(00)

KF-27.0-RA-26.74

148790V

148791C

148792J

148793R

148795E

148796L

LINE SEGMENT

3555

SR 110

MCKEES RUN

FRECH ST

WALNUT ST

CROOKED CREEK

PRIVATE

INDIANA RD

TR 414

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

6.0R  
1.003.0L  
1.006.0L  
1.002.0R  
1.001.0L  
1.006.5L  
1.00

10

-0.55

-0.33

-0.37

-0.20

0.00

+0.34

0.00

Sheet 74KF\_25\_30

06/14/2006

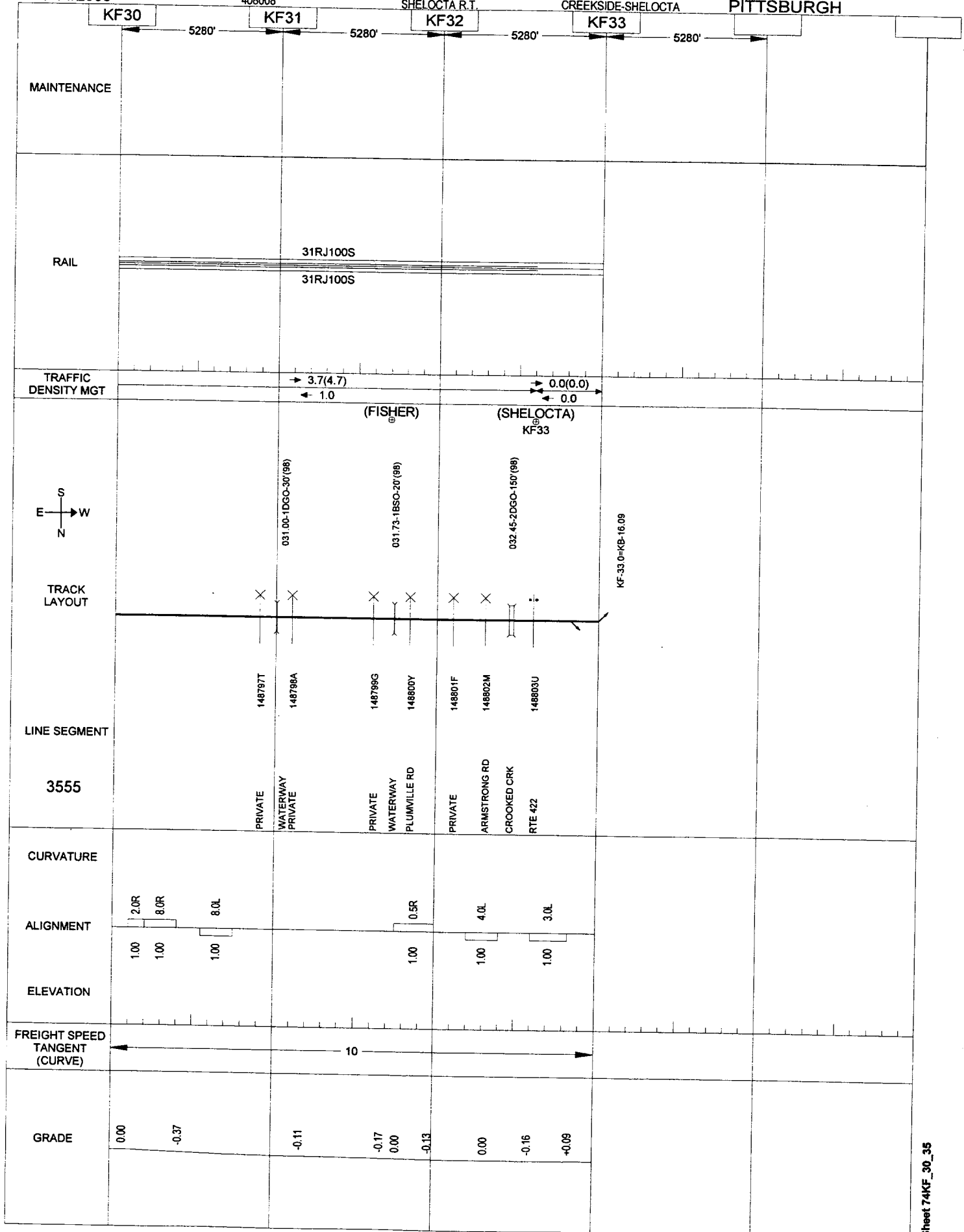
408008

218

SHELOCTA R.T.

CREEKSIDE-SHELOCTA

PITTSBURGH





06/14/2006

402224

219

ISLAND CONN.

CP PENN-CP ISLE

PITTSBURGH

TJ0

TJ1

5280'

5280'

MAINTENANCE

T&amp;S-09/05

RAIL

85RW140S

43RJ140S

85RW140S

43RJ140S

00NWF13P

43RJ140S

TRAFFIC  
DENSITY MGT

5.0(6.6)

1.7

CP PENN

(ISLAND AVE)  
TJ1

CP ISLE

7201  
7335

TJ-0.0=PC-2.10

000.12-15MSC-1153 (02.04)

TJ-1.40=ML-1.80

TRACK  
LAYOUT

TOFT WAYNE LINE

LINE SEGMENT

3609

CSXT

CURVATURE

ALIGNMENT

1.0L

1.0R

9.6L

10.0L

1.00

1.00

1.50

1.50

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

20

GRADE

-0.05

-0.03

+1.14

06/14/2006

404021

220

ECONOMY I.T. EXT.

ECONOMY YARD-BADEN

PITTSBURGH

OT1

OT2

OT3

5280'

5280'

T&S-10/05

MAINTENANCE

RAIL

30NJ100S

68NJ131S

30NJ100S

68NJ131S

TRAFFIC  
DENSITY MGT

0.2(0.3)

0.1

7336

(ECONOMY YD)  
OT1

(BADEN)

(E. CONWAY)



001 84-9DGB-503'

001 82-2DGB-220'

TRACK  
LAYOUT

507553B  
507554H

OT-3.00=PC-20.50

LINE SEGMENT

3579

11TH ST  
11TH ST

WATERWAY  
OHIO RIVER BLVD

CURVATURE

ALIGNMENT

ELEVATION

6.0R

1.00

0.5R

1.00

0.5R

1.00

0.7L

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

-1.04

06/14/2006

404022

221  
BLOCK HOUSE RUN I.T.

WEST ROCHESTER-END

PITTSBURGH

BY0

5280'

MAINTENANCE

RAIL

TRAFFIC  
DENSITY MGT

(WEST ROCHESTER)

7336



TRACK  
LAYOUT

BY-0.0=PC-26.96

000.18-1TGB-165'



LINE SEGMENT

3513

SR 65

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

+0.98

0.00

06/14/2006

402422

222

KOPPEL SEC.

CEMENT-CP WOOD

PITTSBURGH

KR82

KR83

KR84

KR85

4380'

5280'

5280'

5280'

MAINTENANCE

T&S-10/04

RAIL

29NJ131S

41NJ130S

88RW140S

41NJ130S

29NJ131S

41NJ130S

88RW140S

41NJ130S

TRAFFIC  
DENSITY MGT

0.8(3.9)

3.1

7416

CEMENT

KOPP  
KR84

E  
N → S  
W

081.33-1DGO-19'(84)

081.72-2MAB-68'

081.95-1TGB-70'

084.12-1MAB-10'

084.42-1MAB-25'

TRACK  
LAYOUT

LINE SEGMENT

3561

KR-81.10=YG-81.19

502529H

502530C

502532R

502533X

WATERWAY  
CLYDE ST

DARLINGTON  
WAMPUM RUN

WAMPUM ROAD

(MEDUSA PORT CEM)

WATERWAY

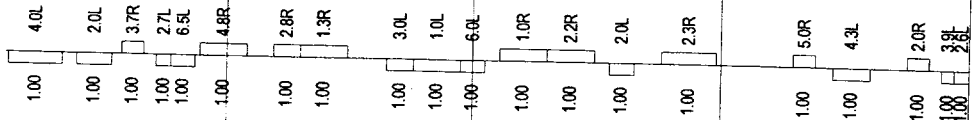
WILSONS RUN

(CEMETERY)

CURVATURE

ALIGNMENT

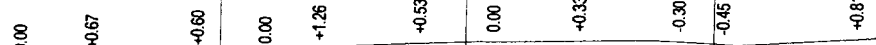
ELEVATION



FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE



06/14/2006

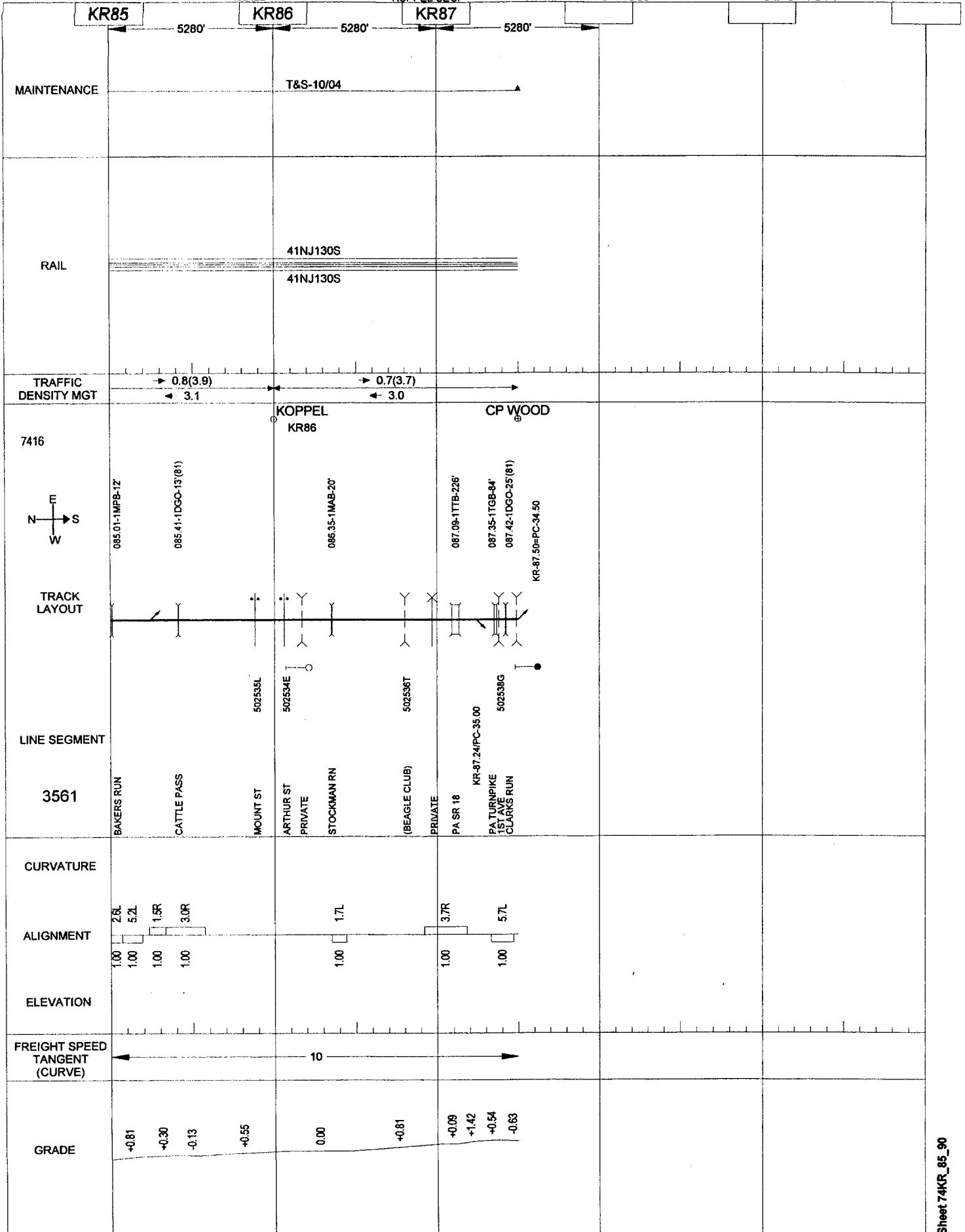
402422

223

KOPPEL SEC.

CEMENT-CP WOOD

PITTSBURGH



06/14/2006

402431

224

M&C I.T.

MASSILLON-EAST GRAVEL

PITTSBURGH

EU0

EU1

EU2

5280'

5280'

MAINTENANCE

T&S-06/8

RAIL

42NJ100S

42NJ100S

TRAFFIC  
DENSITY MGT

CP MACE

(EAST GRAVEL)  
EU2

7343



000 47-3BSO-72 (82)

000 98

TRACK  
LAYOUT

EU-0.0=PC-110.77

LINE SEGMENT

3534

503147R

503146J

503145C

502823F

EKCO INC

NEWMAN CREEK

PRICE BROTHERS

YOUNGSTOWN RD

SR 21

PRIVATE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

-0.01

0.00

+0.22

06/14/2006

402421

225  
ORRVILLE I.T.

ORRVILLE

PITTSBURGH

OZ35

5280'

OZ36

5281'

OZ37

5280'

OZ38

5280'

MAINTENANCE

T&S-06/78

RAIL

67NW130S

67NW130S

TRAFFIC  
DENSITY MGT

(ORRVILLE)

CP ORR

7307



035.90-1CSB-14"

OZ-37.20=PC-123.95

037.94

TRACK  
LAYOUT

LINE SEGMENT

3582  
3585

COUNTY DITCH

503613U

914898T

503614B

503615H

503616P

503617W

503618D

OZ-37.20=PC-124.02

502456A

502457G

PRIVATE  
(SMUCKERS)

MAIN ST

VINE & HOWARD  
HIGH ST

CHURCH ST

MARKET

W&LE RR

SCHROCK RD

CR 47

CURVATURE

1.0R  
1.00

1.0L  
1.00

1.0L  
1.00

2.1R  
1.00  
3.0R  
1.00  
1.7R

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

10

GRADE

-0.86

-0.41

0.00

-0.60

0.00

06/14/2006

406601

226

HARDING I.T.

MANS-ONTARIO

PITTSBURGH

LQ269

LQ270

5280'

5306'

MAINTENANCE

T&S-06/85

RAIL

49NJ132S

56NJ132S

49NJ132S

56NJ132S

TRAFFIC  
DENSITY MGT

→ 0.5(1.3)

← 0.8

8385

CP MANS



LQ-268.80-PC-175.05  
268.92-TCO-62(79)

TRACK  
LAYOUT



264957W

264958D

264959E

264961L

264962T

LINE SEGMENT

MAIN ST  
TOBY RUN

PR 014

MULBERRY ST

MILLER ST

HIGH ST

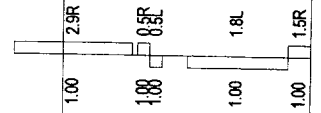
BOWMAN ST

3495

CURVATURE

ALIGNMENT

ELEVATION



FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

0.00

+1.06



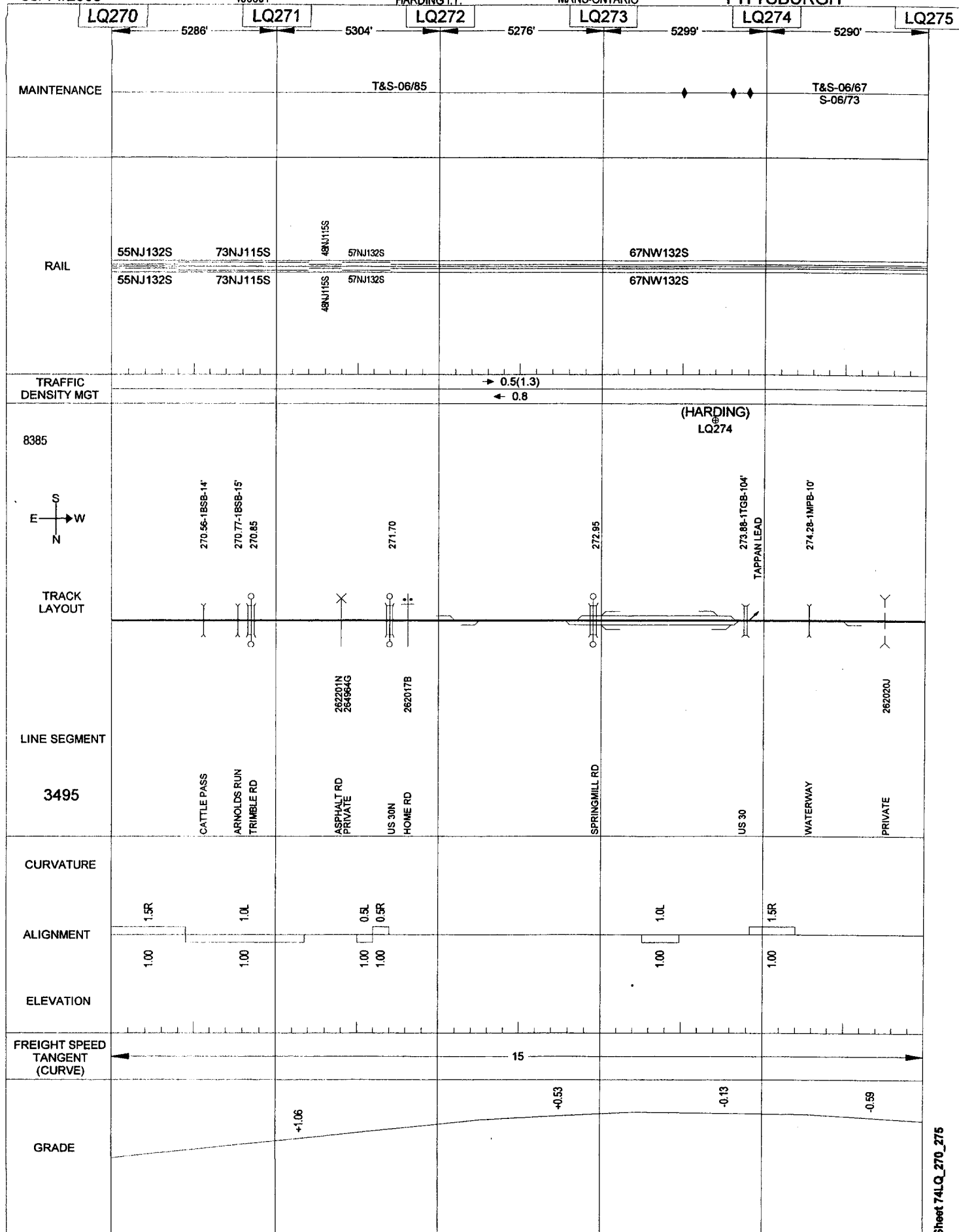
06/14/2006

406601

227  
HARDING I.T.

MANS-ONTARIO

PITTSBURGH



06/14/2006

406601

228

HARDING I.T.

MANS-ONTARIO

PITTSBURGH

LQ275

5280'

MAINTENANCE

RAIL

67NW132S  
67NW132STRAFFIC  
DENSITY MGT

8385

S  
E → W  
NTRACK  
LAYOUT

LINE SEGMENT

3495

CURVATURE

ALIGNMENT

1.00 1.5R

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

-0.50

06/14/2006

402452

229

NEW CASTLE CONNECTION

CASTLE-CSX

PITTSBURGH

CY47

2640'

1584'

MAINTENANCE

RAIL

94RW140S

94RW140S

TRAFFIC  
DENSITY MGT

CP 75

W  
S — N  
E

TRACK  
LAYOUT

CASTLE IND

TO CSX

LINE SEGMENT

CY-46.50-YG-75.75

3516

CURVATURE

ALIGNMENT

7.5R

10.0L

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

15

GRADE

+1.04

06/14/2006

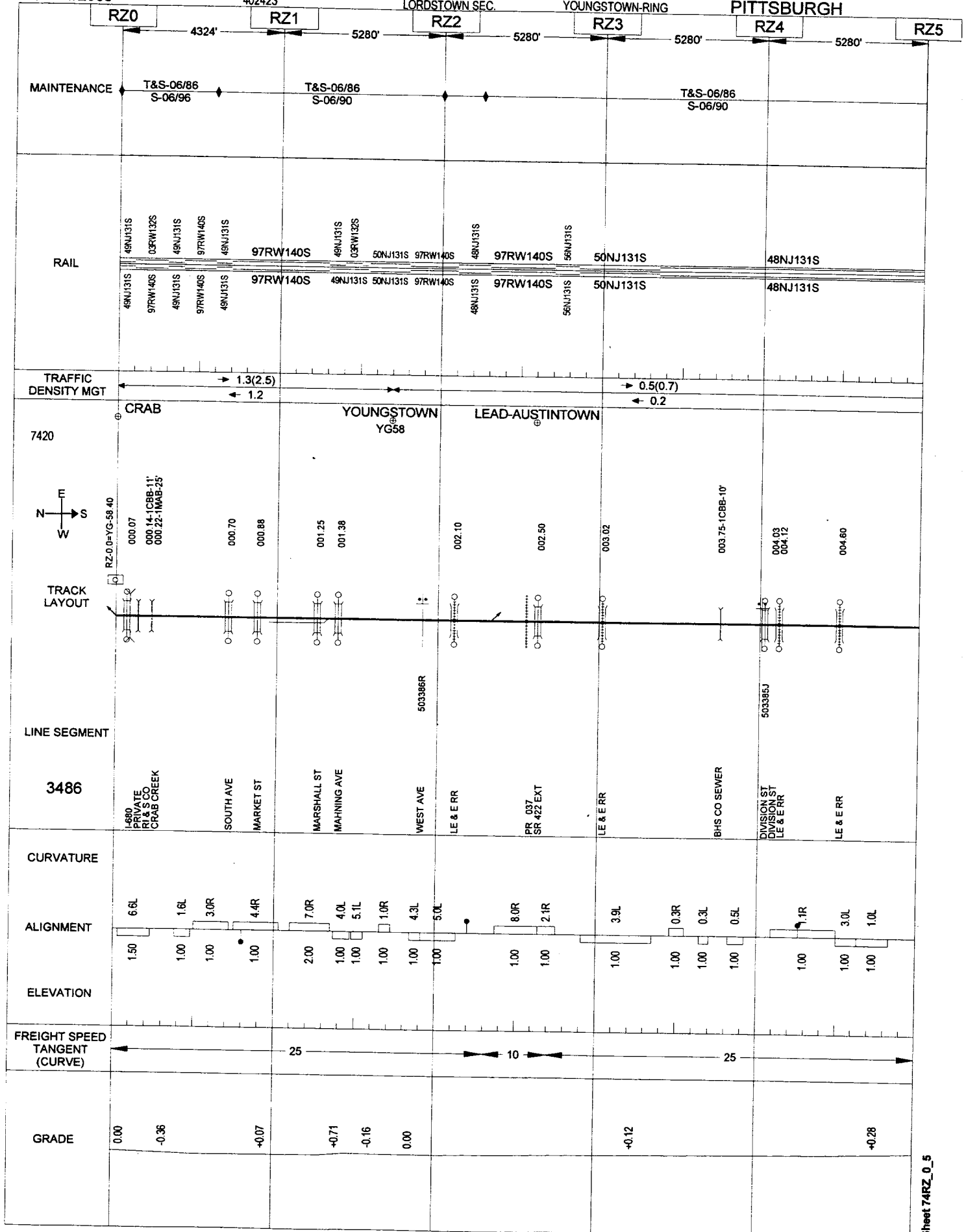
402423

230

LORDSTOWN SEC.

YOUNGSTOWN-RING

PITTSBURGH



06/14/2006

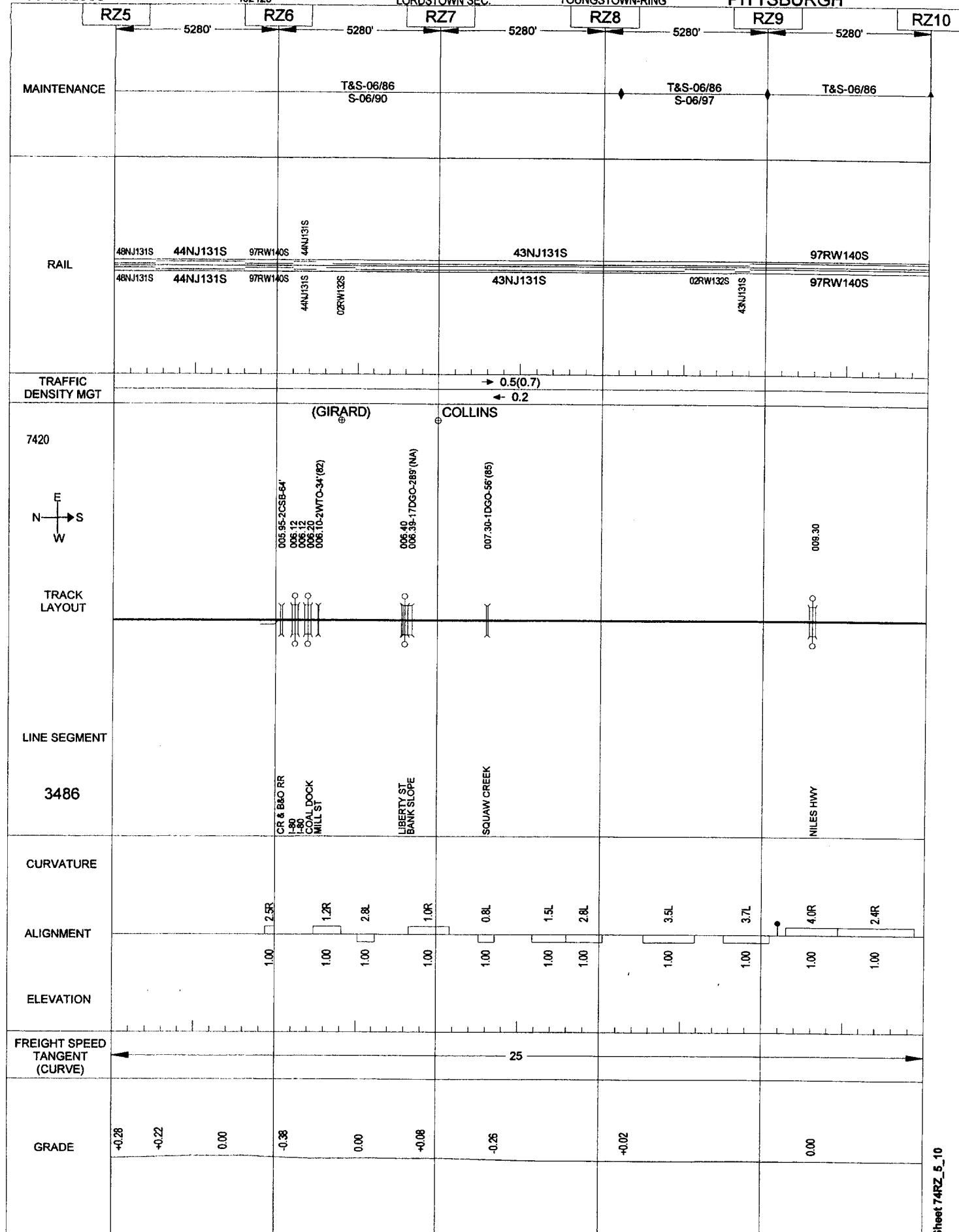
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231

LORDSTOWN SEC.

YOUNGSTOWN-RING

PITTSBURGH



06/14/2006

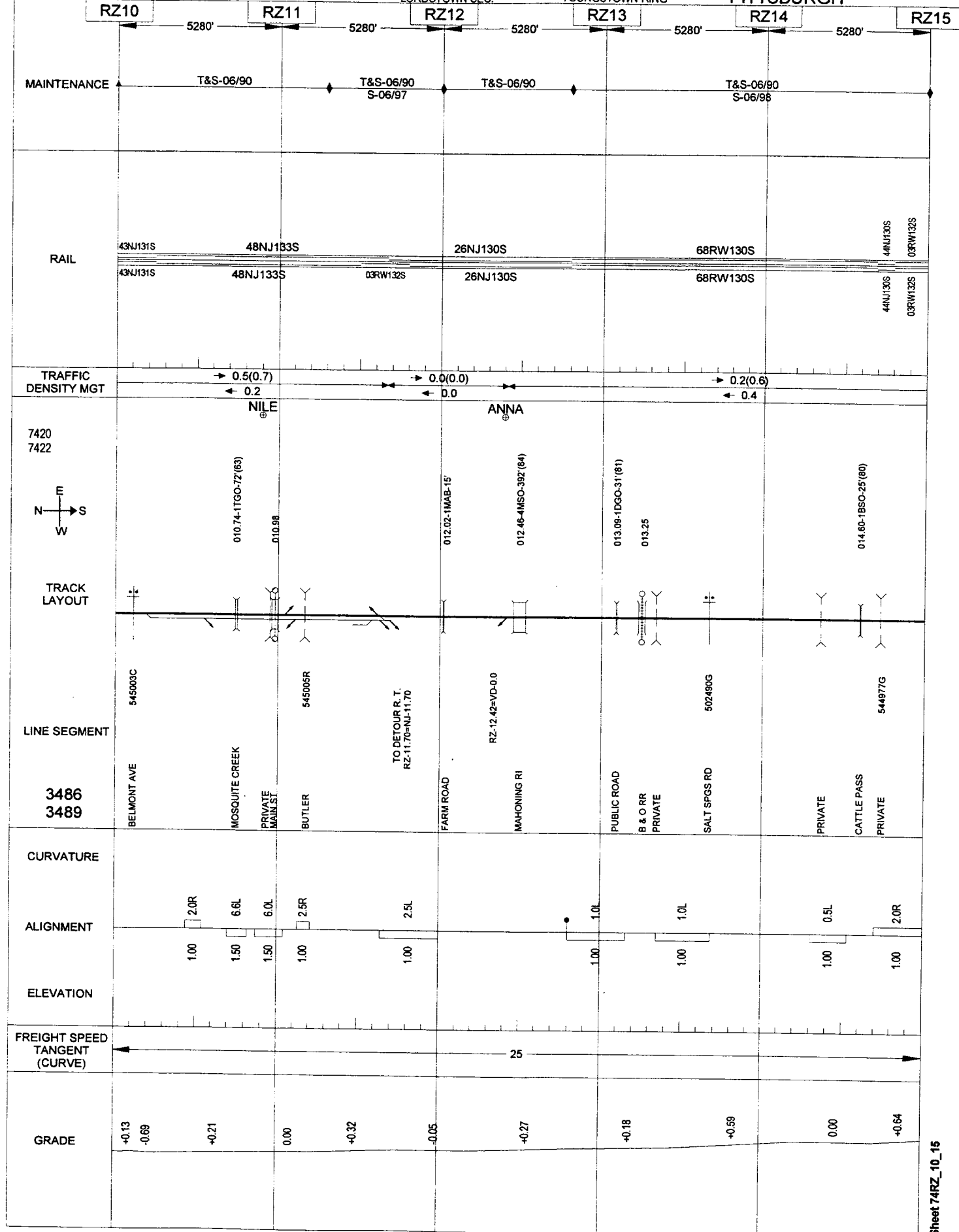
402425

232

LORDSTOWN SEC.

YOUNGSTOWN-RING

PITTSBURGH



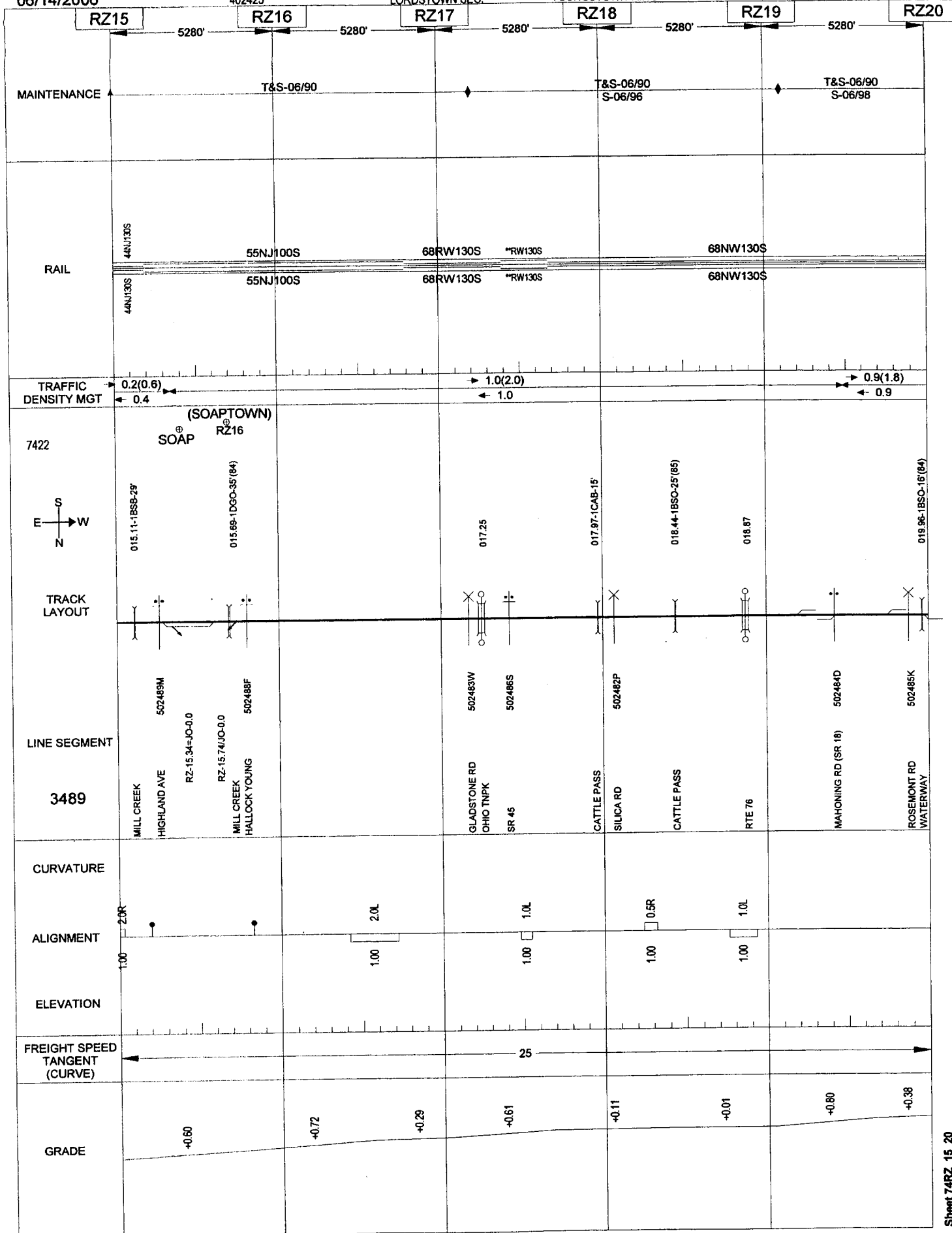
06/14/2006

402425

233  
LORDSTOWN SEC.

YOUNGSTOWN-RING

PITTSBURGH



06/14/2006

402425

234

LORDSTOWN SEC.

YOUNGSTOWN-RING

PITTSBURGH

RZ20

RZ21

RZ22

RZ23

RZ24

RZ25

5280'

5280'

5280'

5808'

5544'

MAINTENANCE

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

RAIL

68NW130S

55NJ100S

45NJ130S

37NJ130S

68NW130S

55NJ100S

45NJ130S

37NJ130S

TRAFFIC  
DENSITY MGT

→ 0.9(1.8)

← 0.9

7422

MILT  
RZ19(ELLSWORTH)  
RZ24S  
E → W  
N

021.48-1BSO-21'(82)

022.85-1BSO-15'(81)

024.10-1CAB-10'

TRACK  
LAYOUT

LINE SEGMENT

3489

544984S

544985Y

502481H

544988U

544989B

502480B

502476L  
502475G

502475E

PRIVATE

PRIVATE

BLOTT RD

WATERWAY

PALMYRA RD

PRIVATE

CATTLE PASS  
PINETREE

PRIVATE

DIEHL RD

BAILEY RD  
ELLSWORTH RD

WATERWAY

DUCK CREEK RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

-0.38

-0.56

-0.51

0.00

-0.16

0.00

-0.45

-0.67

-0.50



06/14/2006

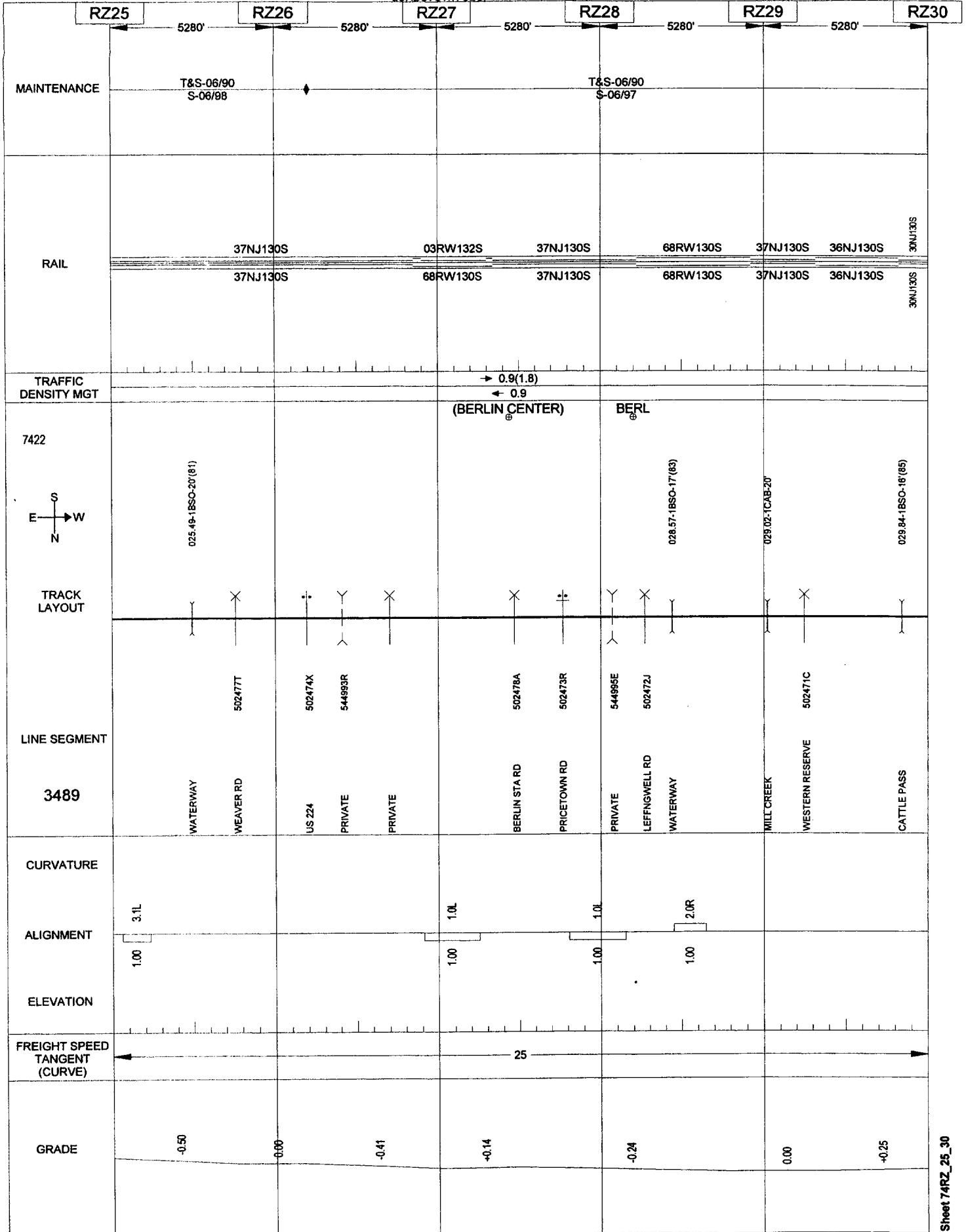
402425

235

LORDSTOWN SEC.

YOUNGSTOWN-RING

PITTSBURGH



06/14/2006

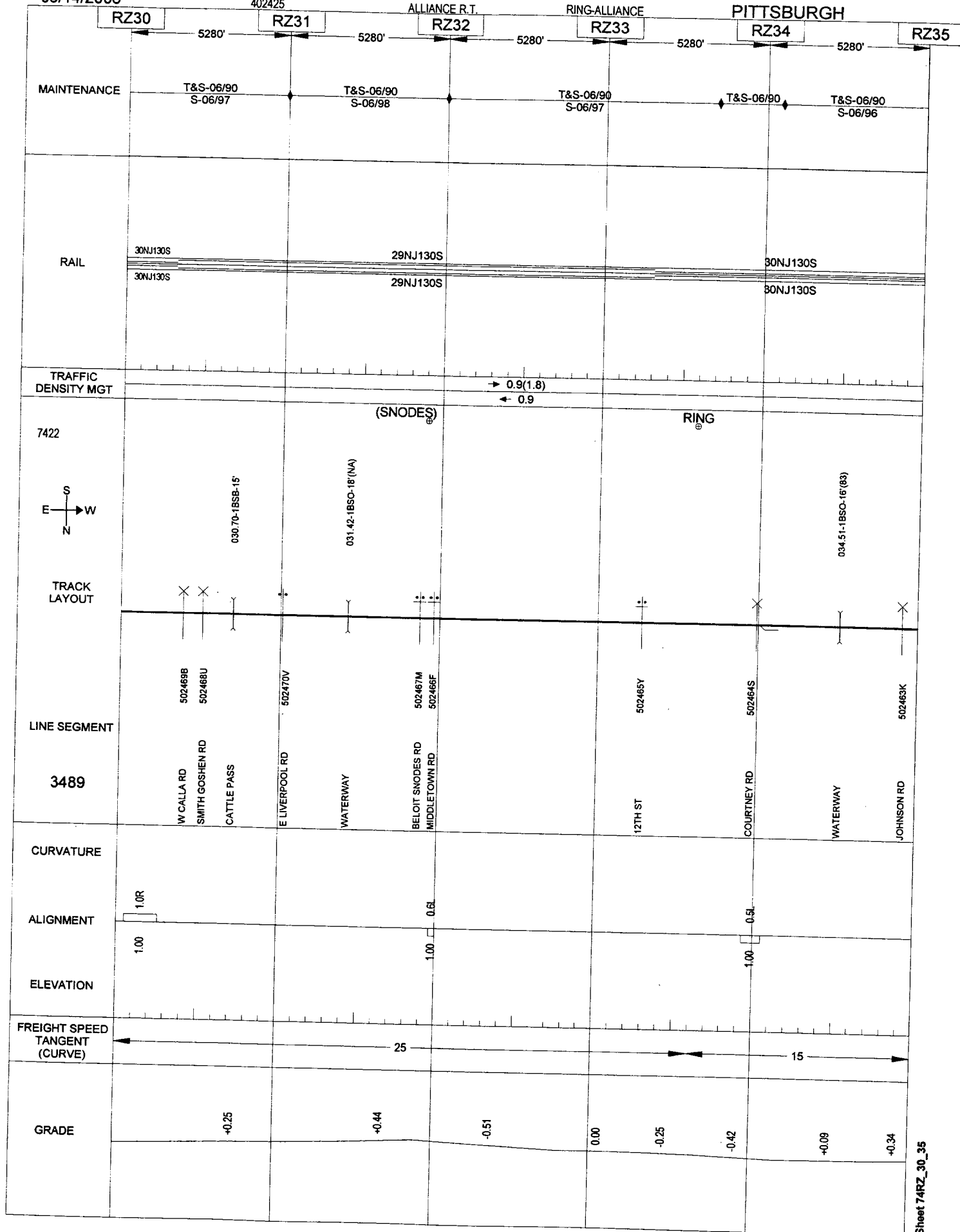
402425

236

ALLIANCE R.T.

RING-ALLIANCE

PITTSBURGH



06/14/2006

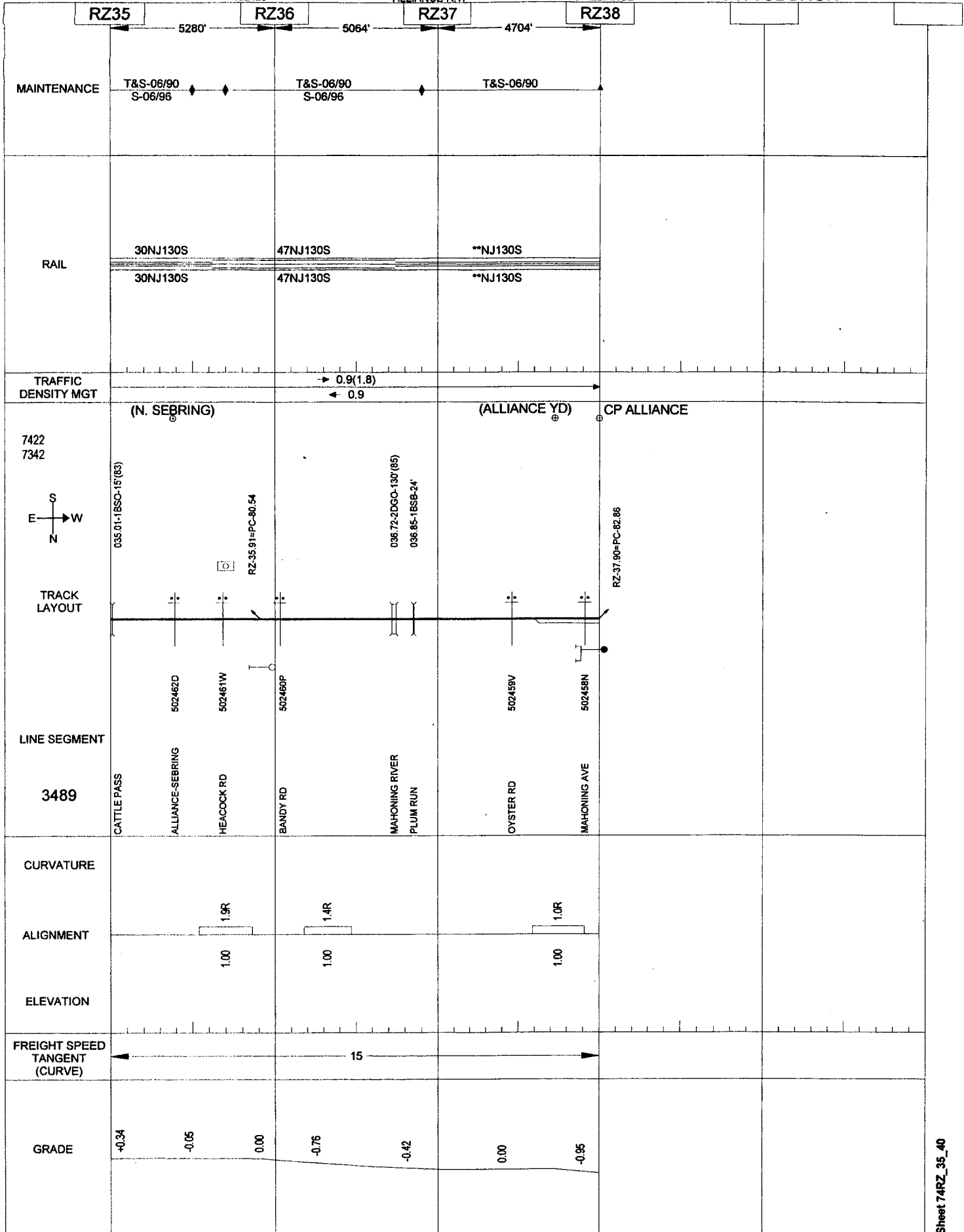
402425

237

ALLIANCE R.T.

RING-ALLIANCE

PITTSBURGH



06/14/2006

402424

238

DETOUR R.T.

NILES-PINE

PITTSBURGH

NJ12

NJ13

NJ14

NJ15

925'

4779'

5280'

5280'

MAINTENANCE

T&S-10/01

RAIL

45NJ131S

44NJ131S

47NJ131S

45NJ131S

44NJ131S

47NJ131S

TRAFFIC  
DENSITY MGT

→ 0.5(0.6)  
← 0.1

→ 0.8(1.2)  
← 0.4

7420

DETOUR  
(NILES)

(WARDWELL)  
NJ14

(BRICK)



TRACK  
LAYOUT

012.06

NJ-12 32=VD-0.50  
012.33

012.71-1MAB-15'

014.62-1BSB-7'  
014.68

LINE SEGMENT

3453

TO LORDSTOWN SE  
NJ-11.70=RZ-11.70

502591T

PARK AVE

MICROBRTS RD

WATERWAY

502592A

502593G

502594N

W PARK AVE  
CLOVER  
WARREN AVE

502544P

GS&DLA

925173W

PRIVATE  
WATERWAY  
PIPELINE

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

2.0R

1.00

1.0R

1.00

15

GRADE

+0.17

-0.08

0.00

06/14/2006

402424

239  
DETOUR R.T.

NILES-PINE

PITTSBURGH

NJ15

5280'

5280'

5280'

4882'

5280'

MAINTENANCE

T&S-10/01 ▲

RAIL

46NJ131S

46NJ131S

TRAFFIC  
DENSITY MGT

→ 0.8(1.2)  
← 0.4

PINE  
NJ15

7420

W  
S → N  
E

TO WTRM

TRACK  
LAYOUT

LINE SEGMENT

3453

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

← 15 →

GRADE

0.00

06/14/2006

406501

240

NILES SEC.

CP EAST WAR-LATIMER

PITTSBURGH

NJ20

NJ21

NJ22

NJ23

NJ24

NJ25

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-10/01

RAIL

68NW132S

68NW132S

TRAFFIC  
DENSITY MGT

→ 0.5(2.6)  
← 2.1

(CORTLAND)  
NJ25

W  
S  
N  
E

TO WTRM  
TRACK  
LAYOUT

020.45-1CSB-12'

021.64-1DGO-97'(NA)

023.73-1CSB-10'

LINE SEGMENT

3459

WATERWAY

MEADVILLE RD  
262625V

MOSQUITO CK

ABLE RD  
262627J

WARREN RD  
262628R

WATERWAY

MECCA  
262629X  
MAIN ST  
262630S  
MARKET ST  
262631Y  
PEARL ST  
262632F

CURVATURE

ALIGNMENT

0.7R

ELEVATION

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

40

GRADE

+0.69

-0.58

06/14/2006

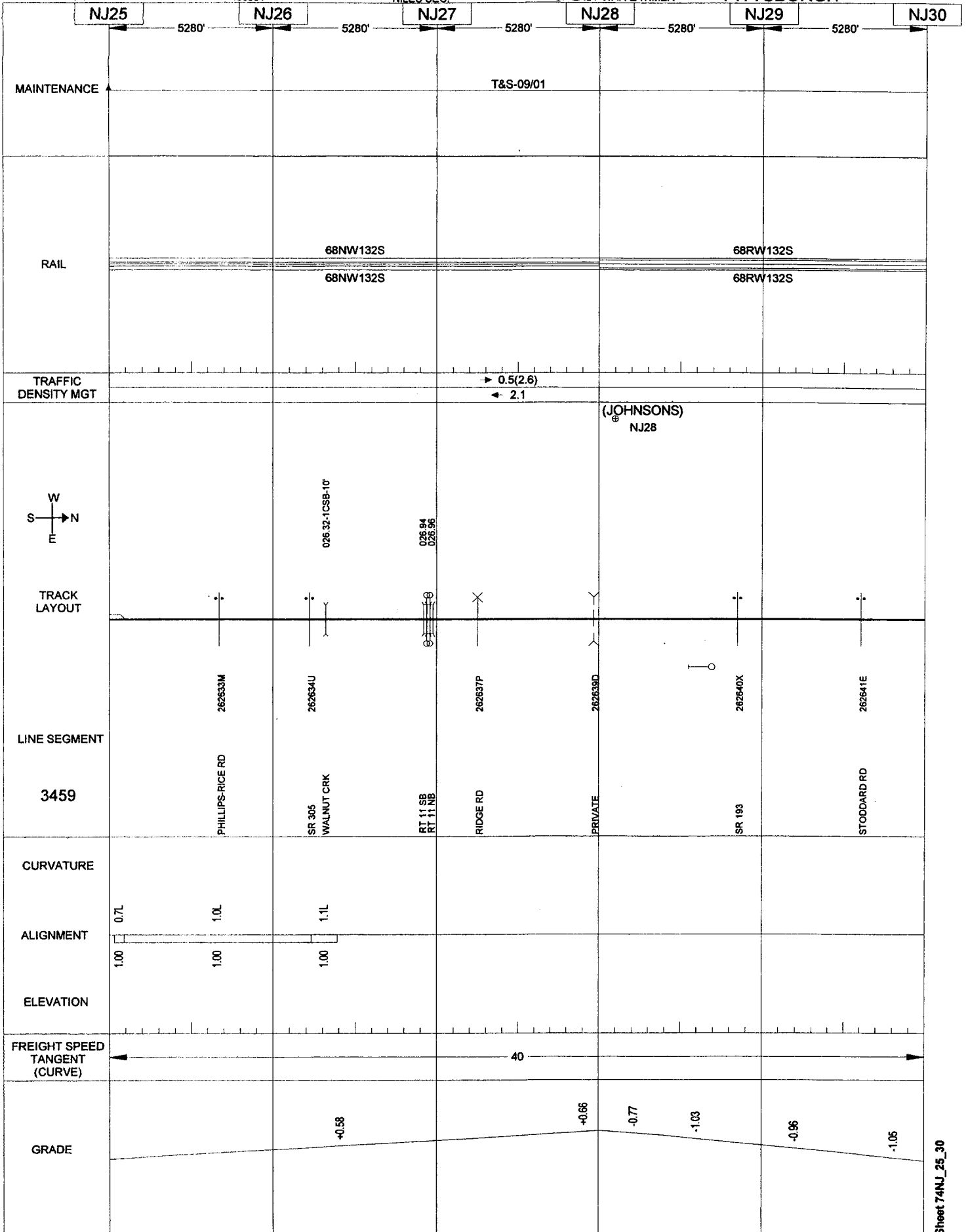
406501

241

NILES SEC.

CP EAST WAR-LATIMER

PITTSBURGH



06/14/2006

406501

242

NILES SEC.

CP EAST WAR-LATIMER

PITTSBURGH

NJ30

5280'

MAINTENANCE

T&amp;S-09/01

RAIL

68RW132S

68RW132S

TRAFFIC  
DENSITY MGT→ 0.5(2.6)  
← 2.1CP 38  
⊕  
(LATIMER)W  
S—N  
E

030.17-ICSB-19'

TRACK  
LAYOUT

LINE SEGMENT

3459

HUCHINGS RD

NJ-30.80-YG-38.50

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

40

GRADE

-0.90

-0.13



06/14/2006

402437

243

VAN WYE I.T.

LORDSTOWN SEC-NILES SEC

PITTSBURGH

VD0

2640'

MAINTENANCE

T&S-06/67  
S-06/69

RAIL

95NJ131S

95NJ131S

TRAFFIC  
DENSITY MGT0.3(0.5)  
0.2

(BOANNA)

7420

(VAN WYE)

W  
S → N  
ETRACK  
LAYOUT

VD-0 0-RZ-12.42

000.18-1TGB-44'

VD-0 50=NJ-12.32

LINE SEGMENT

3621

PARK AVE EXT

CURVATURE

ALIGNMENT

18L

27L

100

100

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

PITTSBURGH



06/14/2006

402445

245  
BENTON I.T.

CP ALLIANCE-ALLIANCE YAR

PITTSBURGH

JE23

JE24

5280'

5280'

5280'

MAINTENANCE

RAIL

28NJ105S

26NJ105S

28NJ105S

26NJ105S

TRAFFIC  
DENSITY MGT

2290

S  
E → W  
N

TRACK  
LAYOUT

LINE SEGMENT

3543

CP ALLIANCE

024.18-11TO-96'

JE-24.70-RD-67.30

MAHONING RIVER

3RD ST

CURVATURE

ALIGNMENT

ELEVATION

0.9L  
1.00  
1.8R  
1.00 2.0L  
3.5L  
1.00 3.5R  
15.0L  
1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+1.05  
-1.04  
-0.78  
-0.47  
0.00  
+0.54

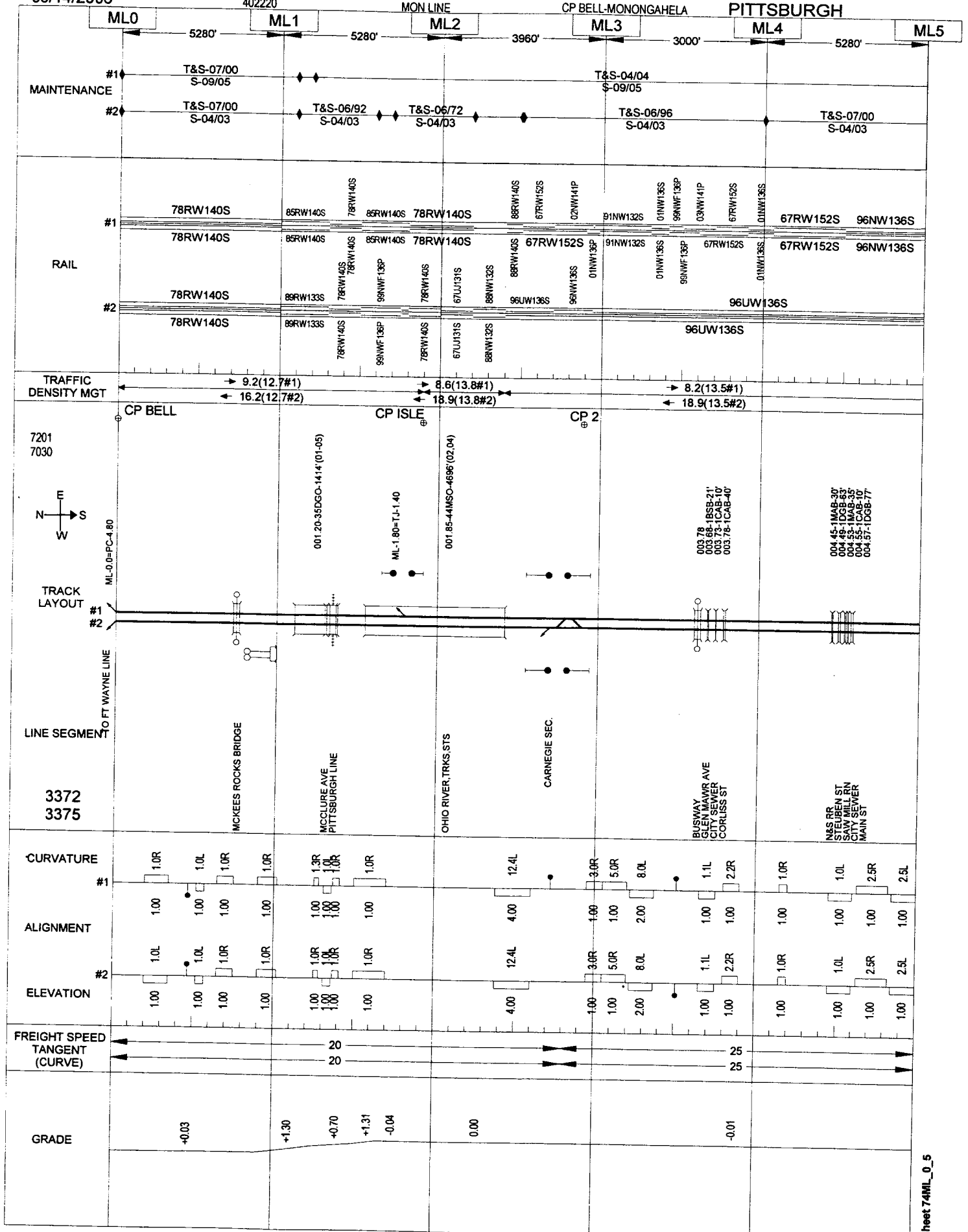
06/14/2006

246

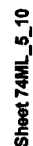
MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



## PITTSBURGH



06/14/2006

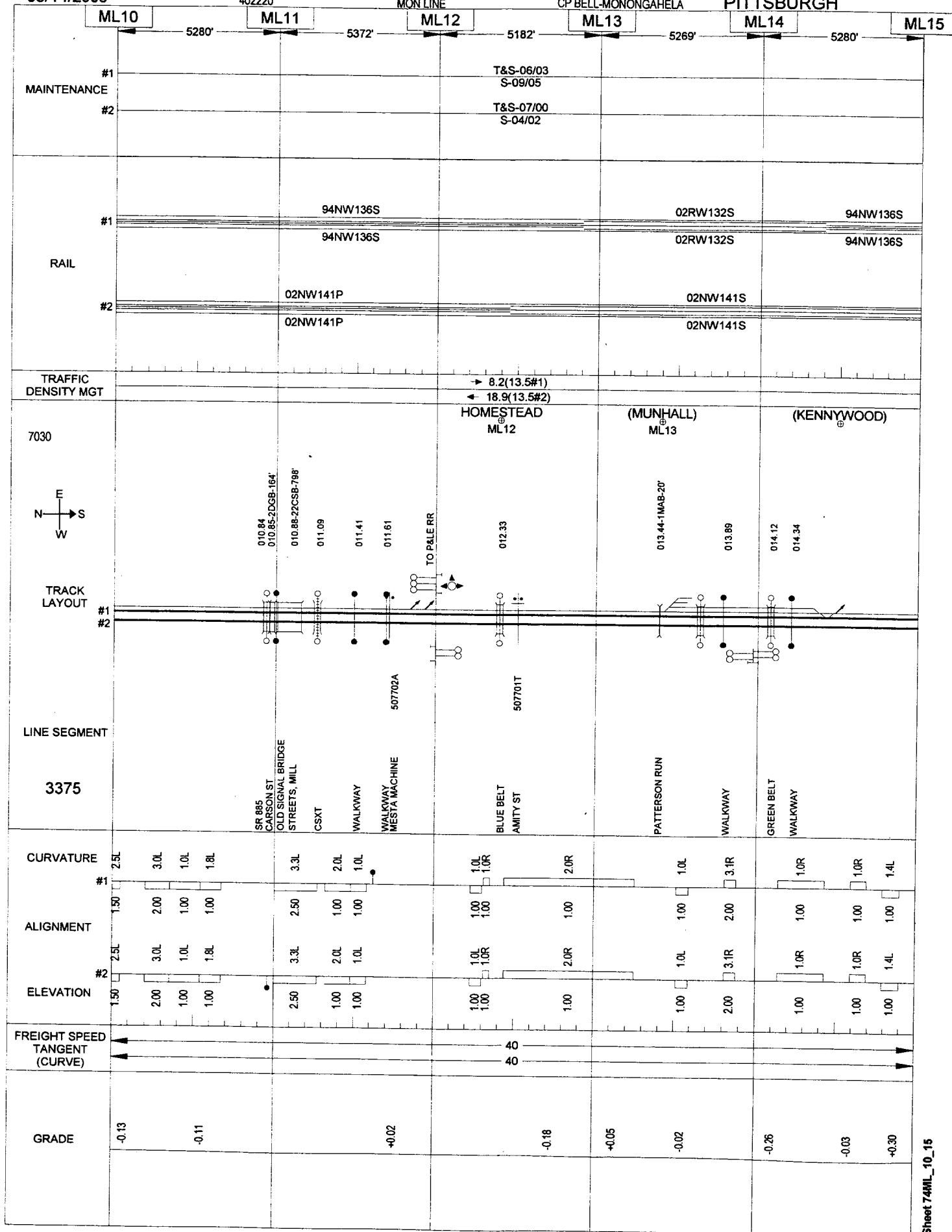
402220

248

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



06/14/2006

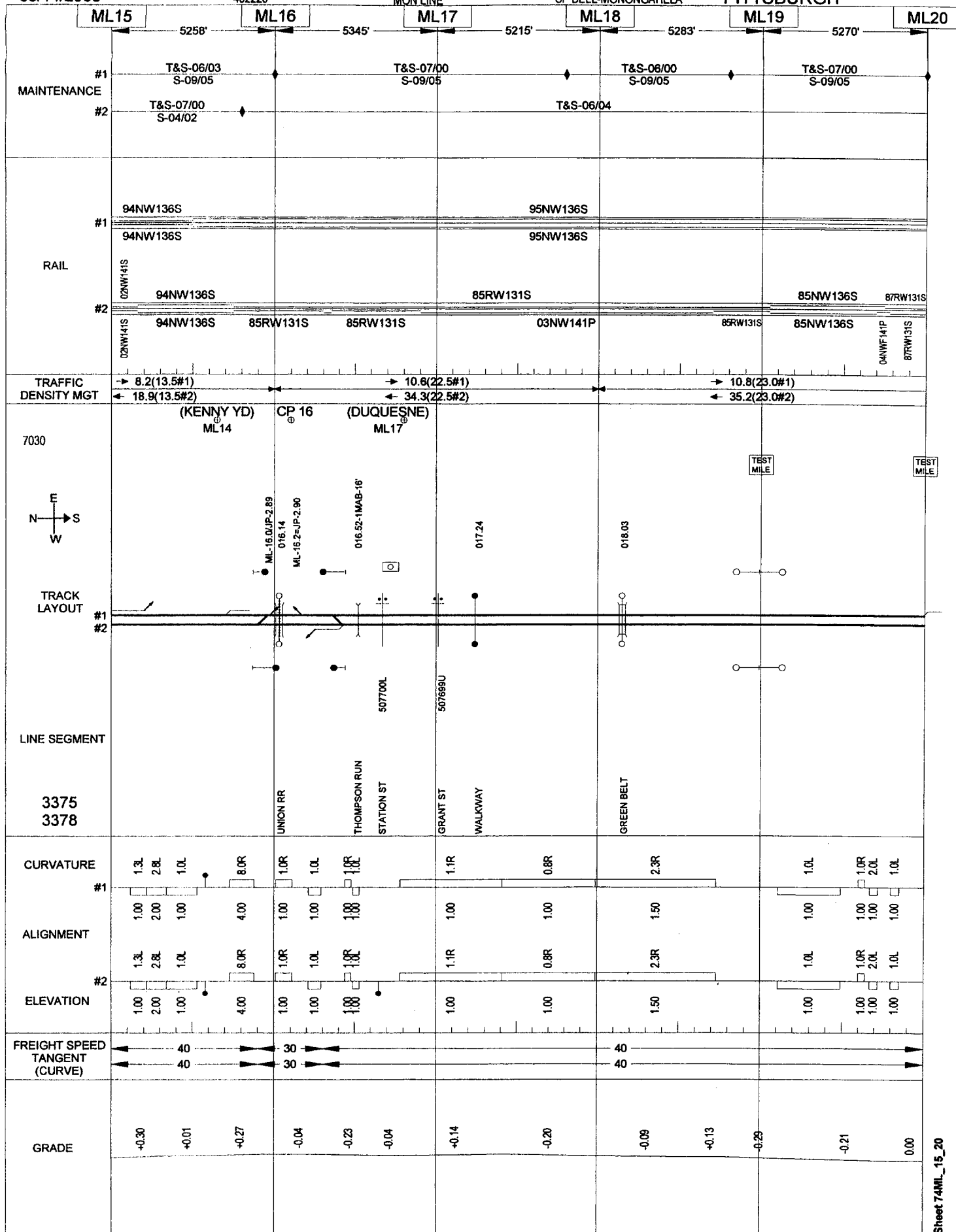
402220

249

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



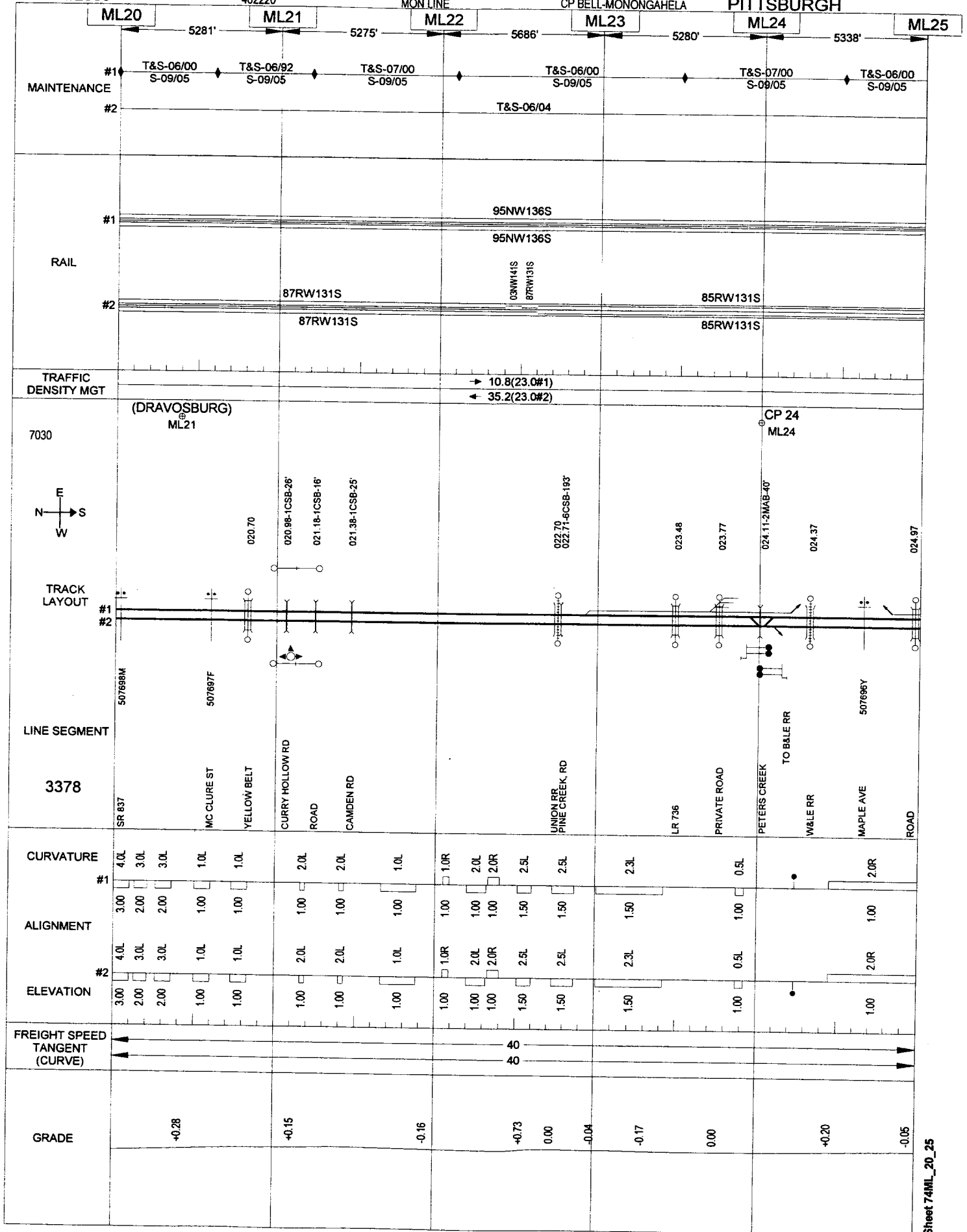
06/14/2006

250

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH





06/14/2006

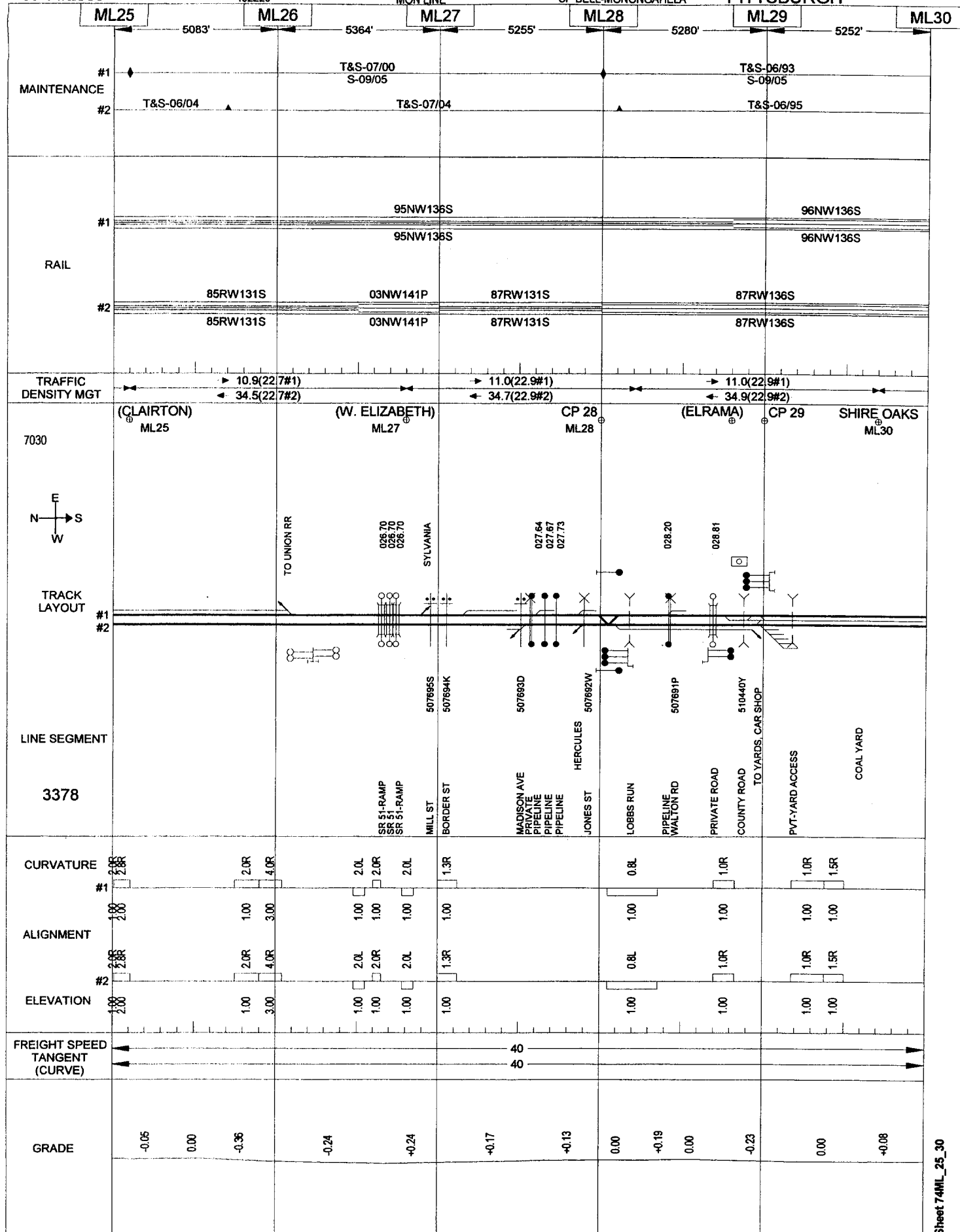
402220

251

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



06/14/2006

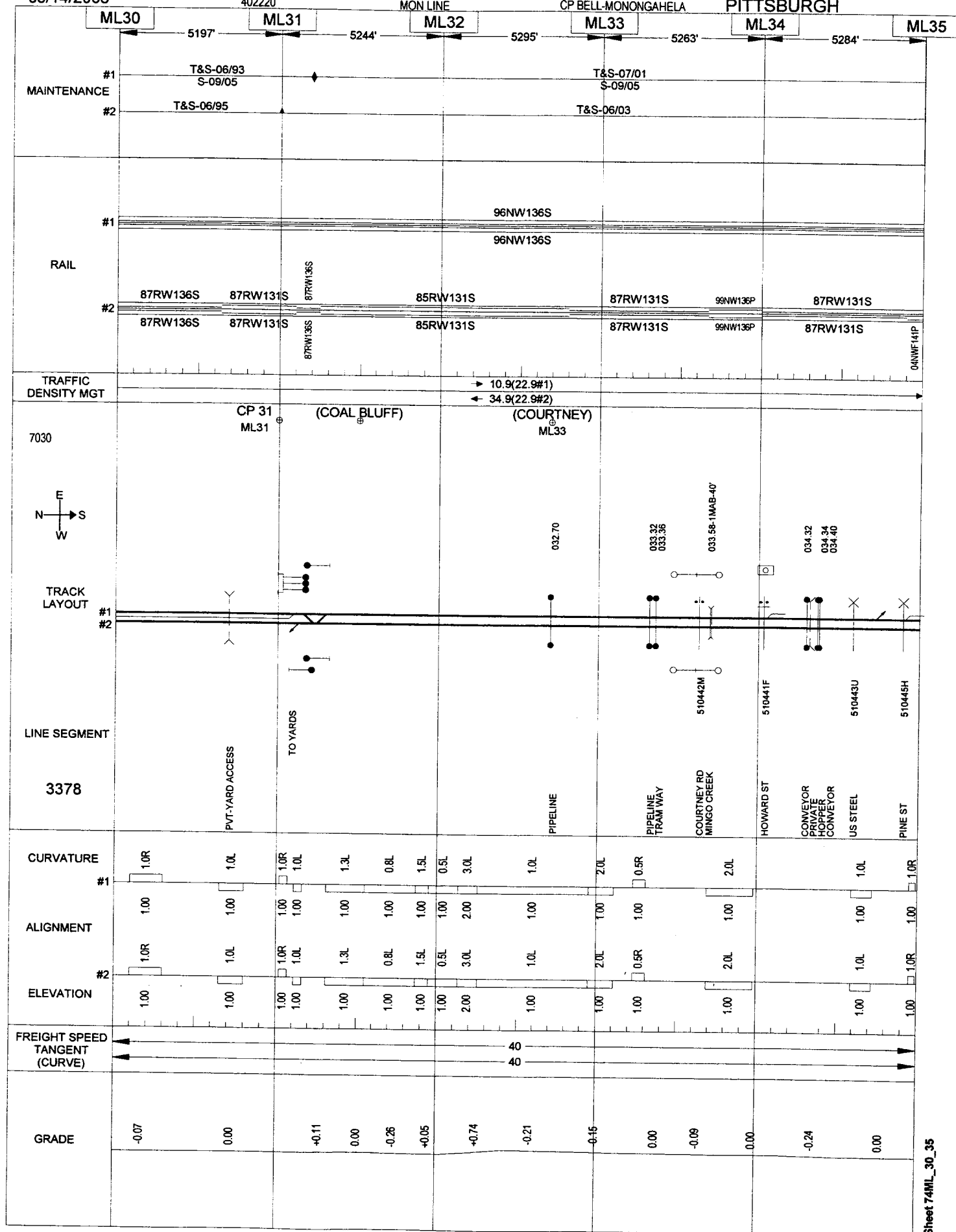
402220

252

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



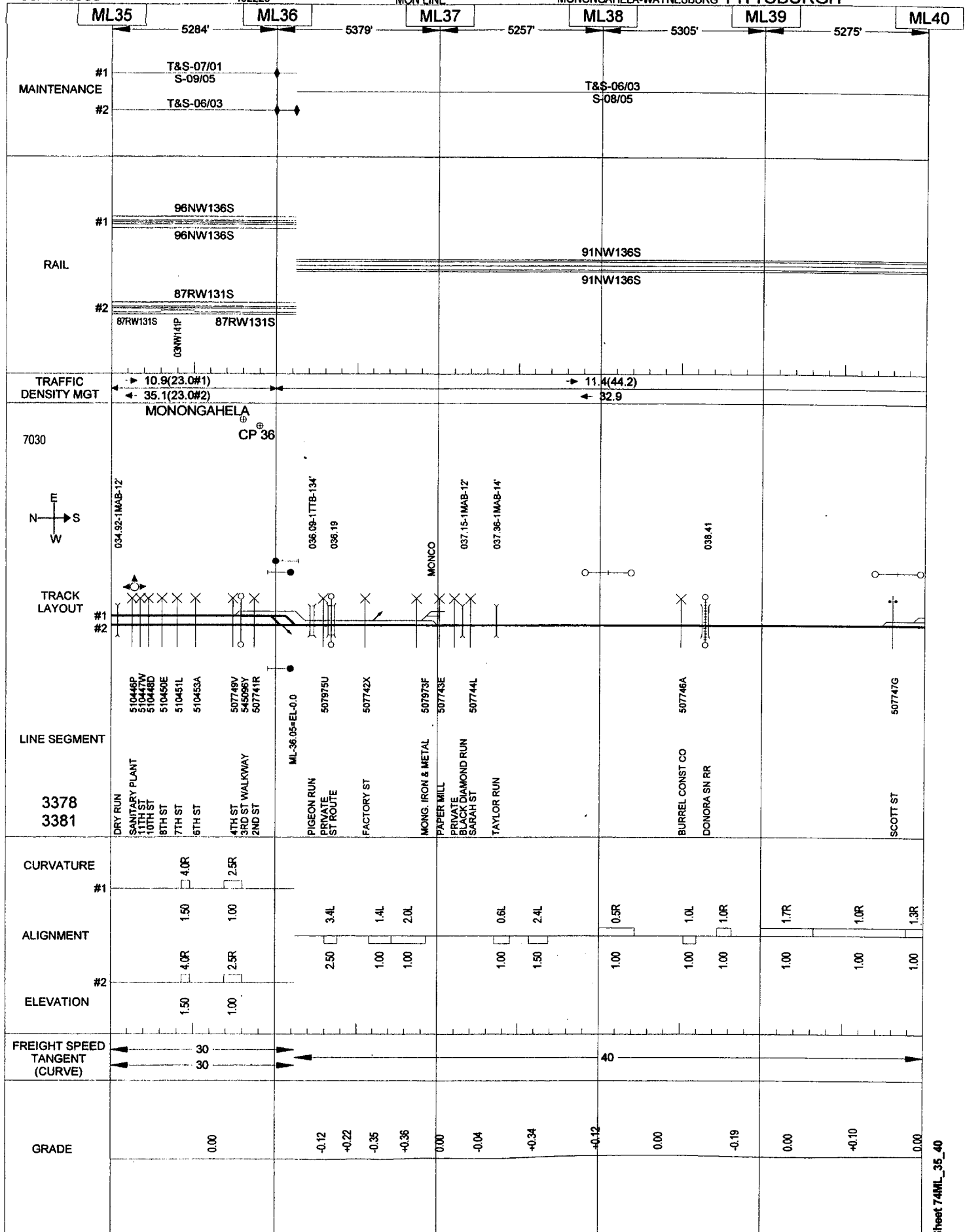
06/14/2006

402220

253

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



06/14/2006

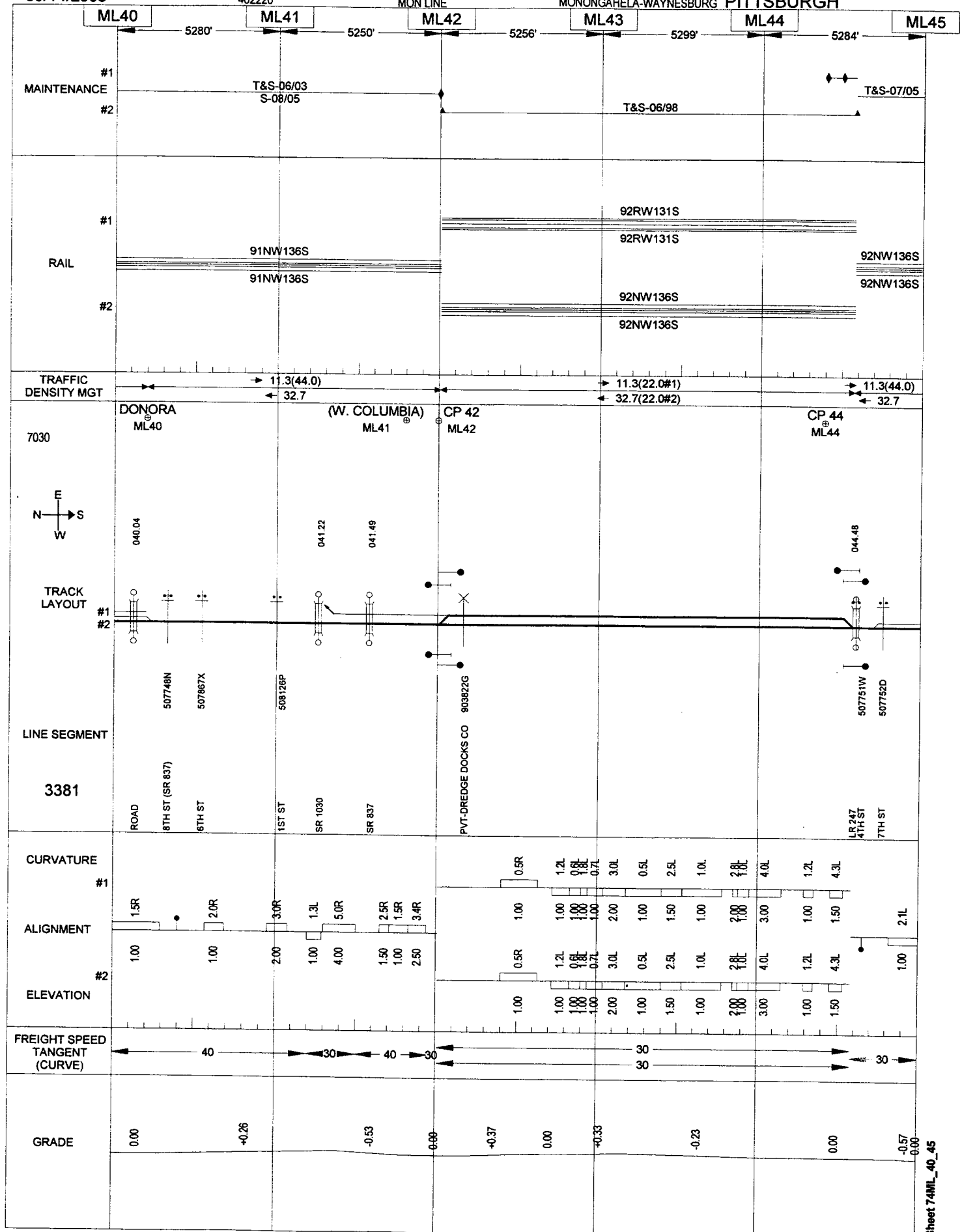
402220

254

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH



06/14/2006

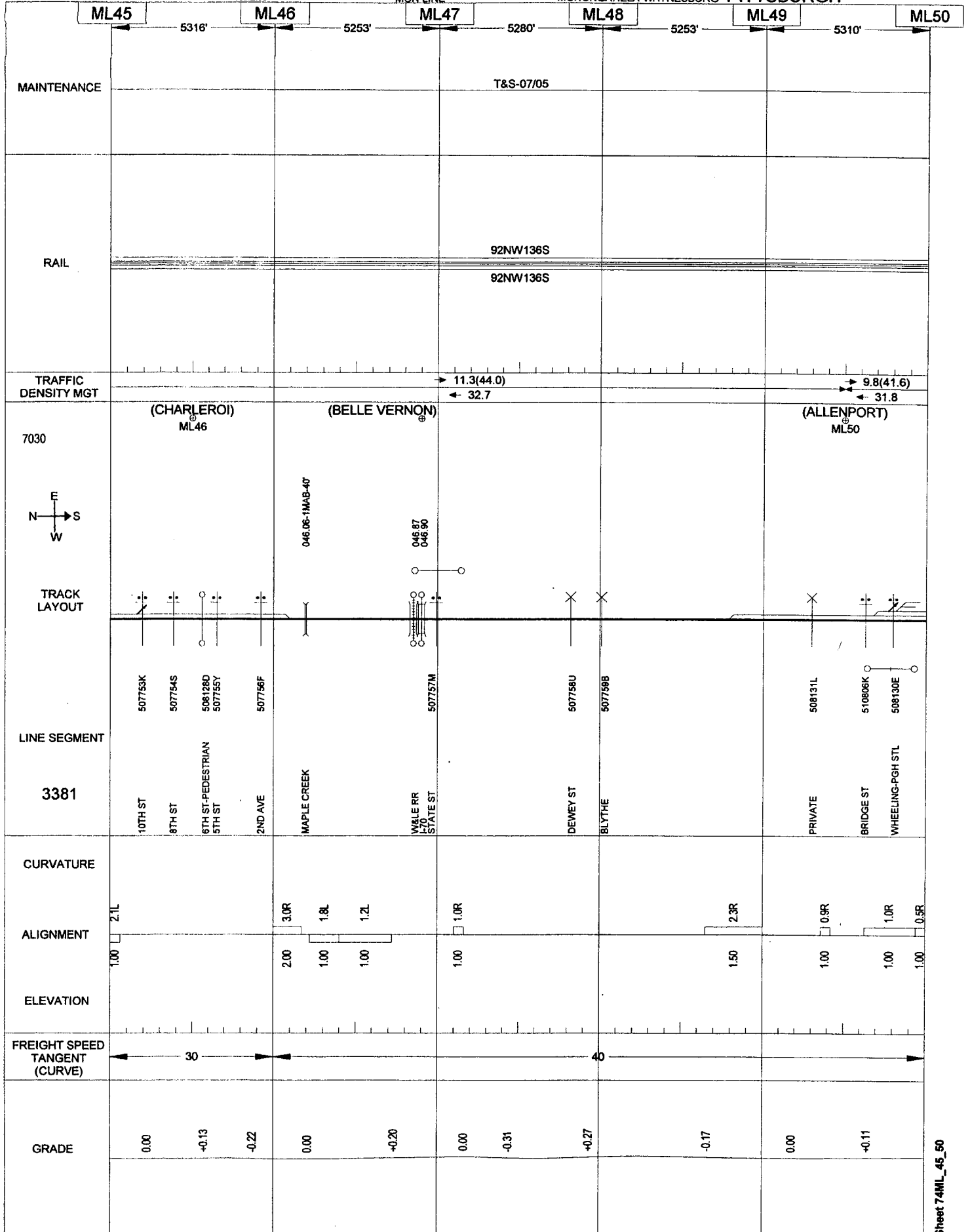
402220

255

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH



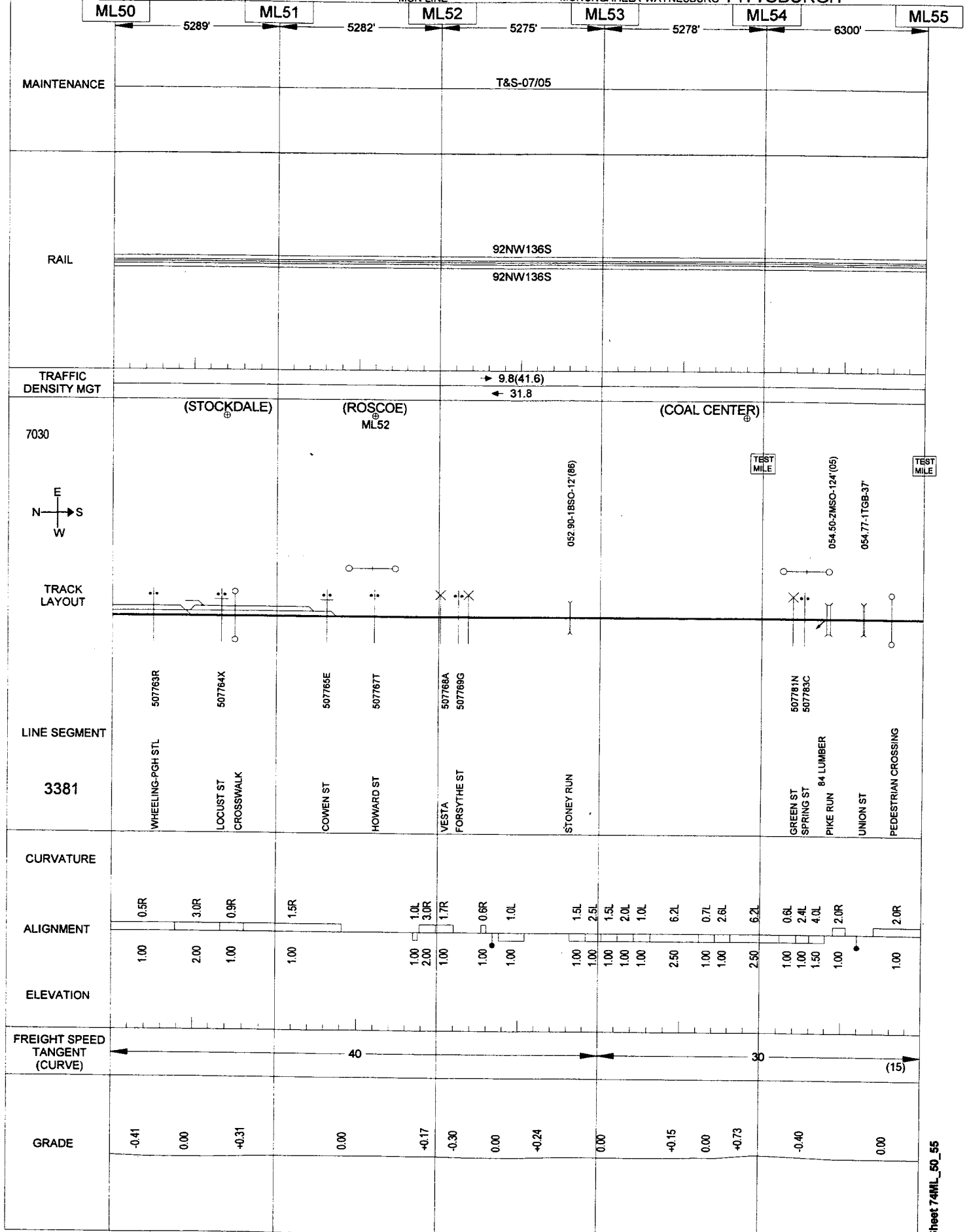
06/14/2006

402220

256

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



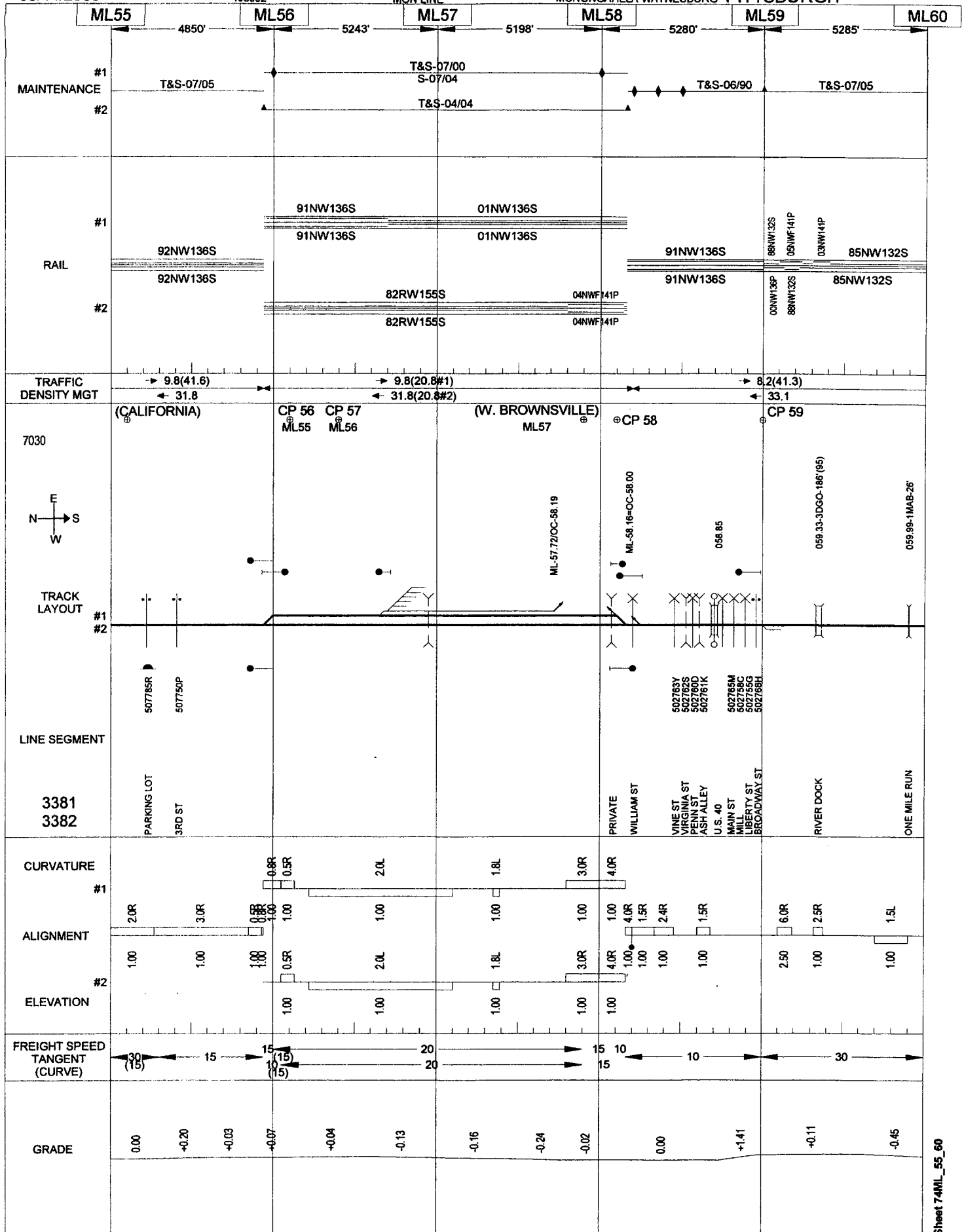
06/14/2006

408002

257

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



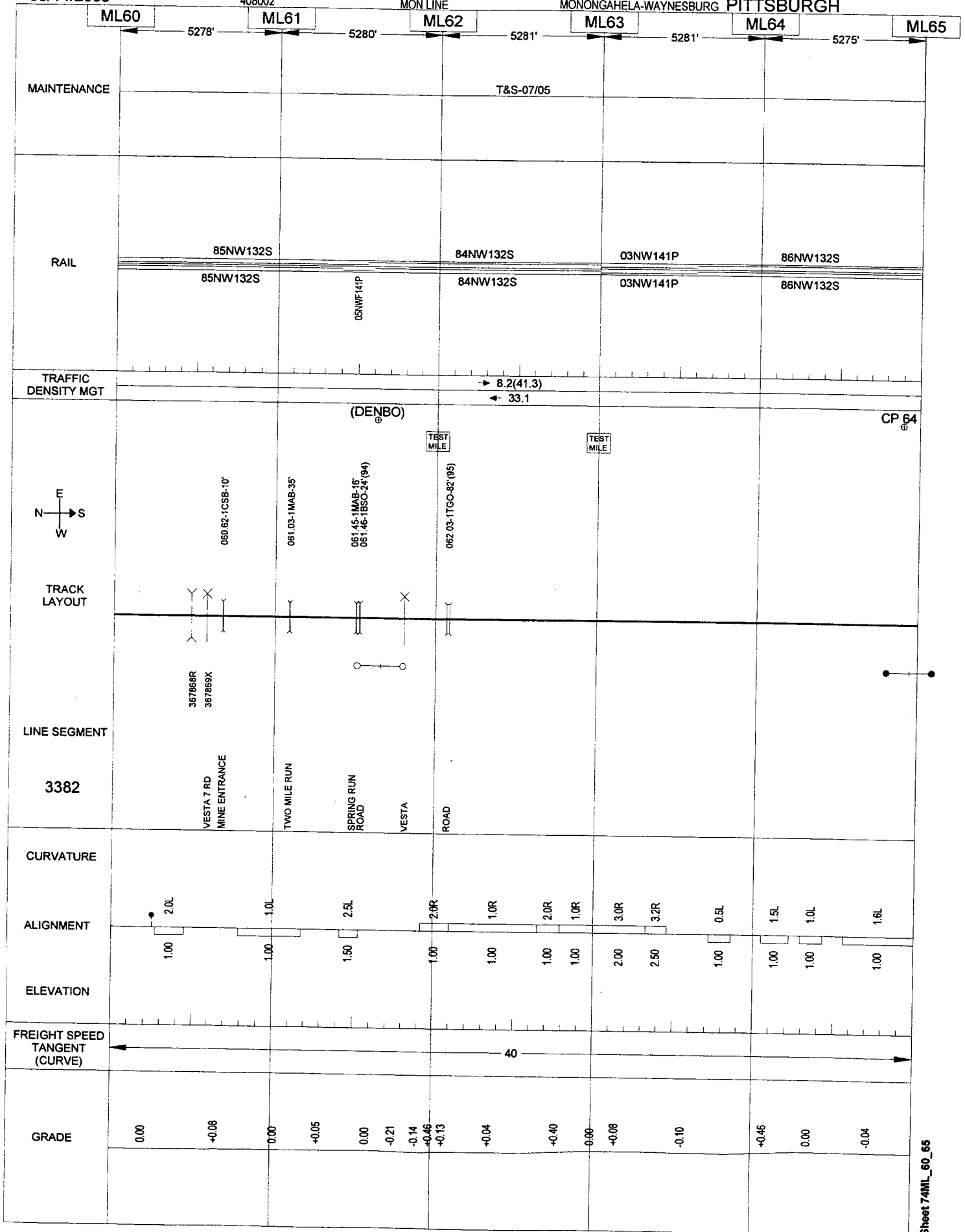
06/14/2006

408002

258

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH







06/14/2006

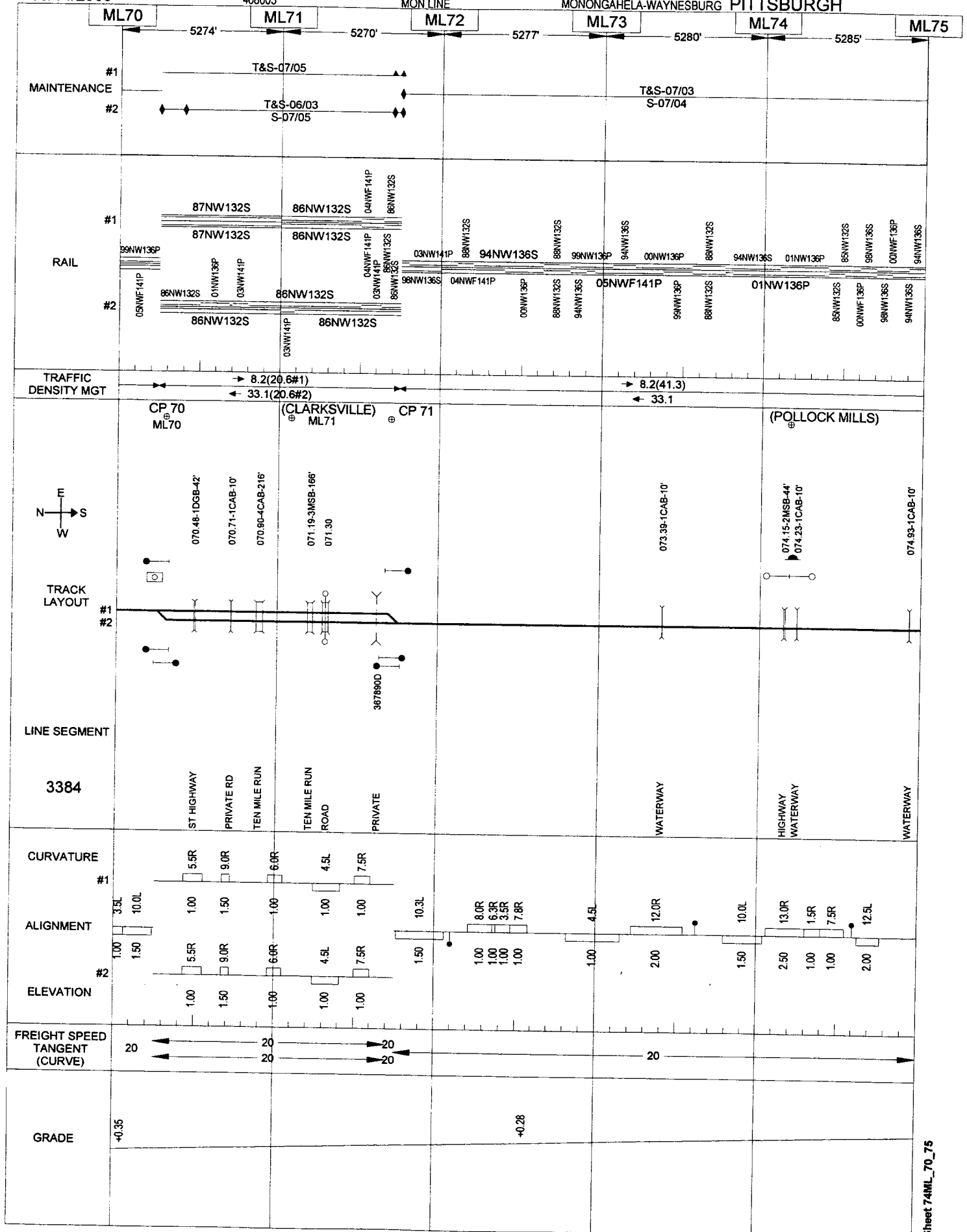
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260

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH



06/14/2006

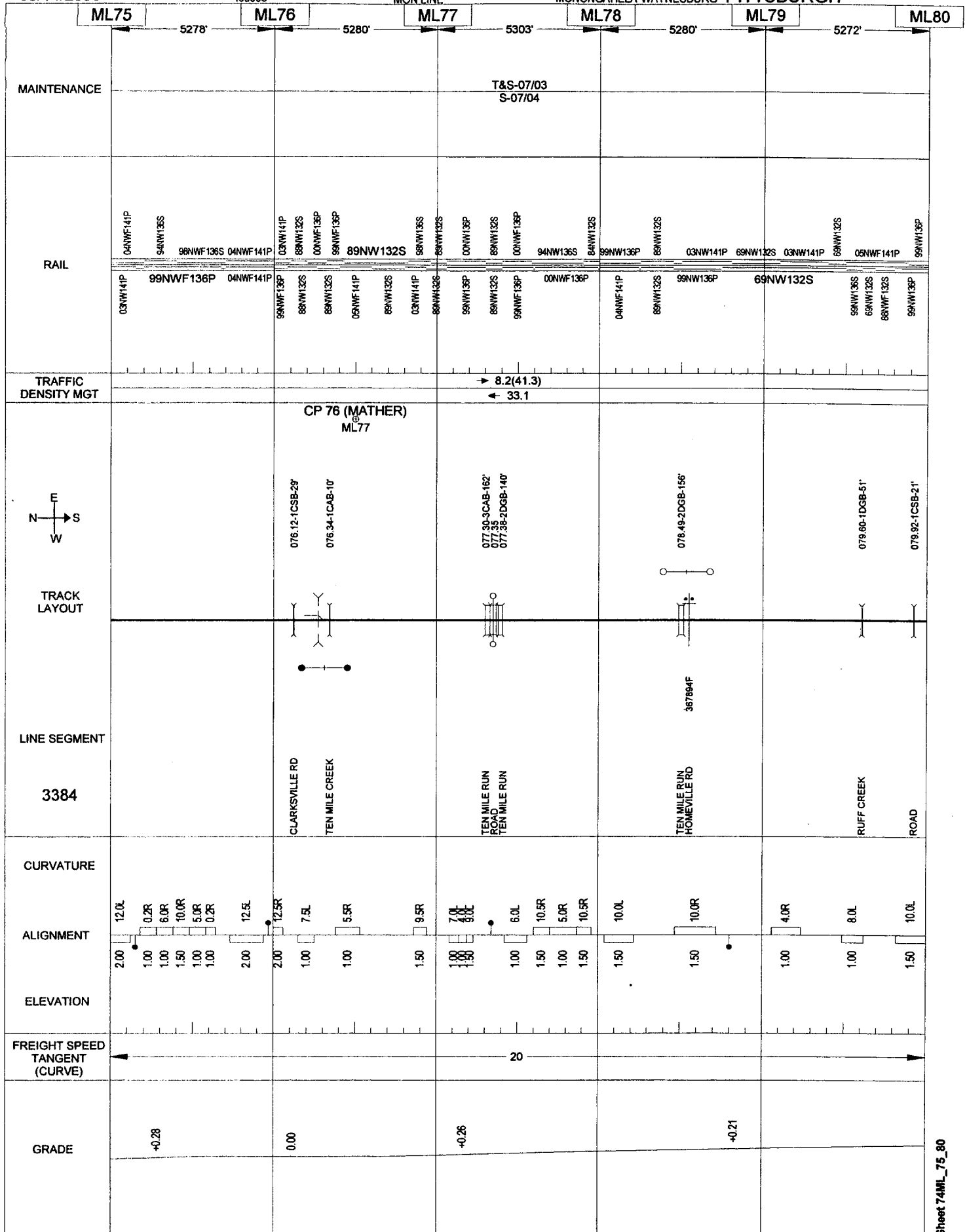
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261

MONLINE

MONONGAHELA-WAYNESBURG

PITTSBURGH

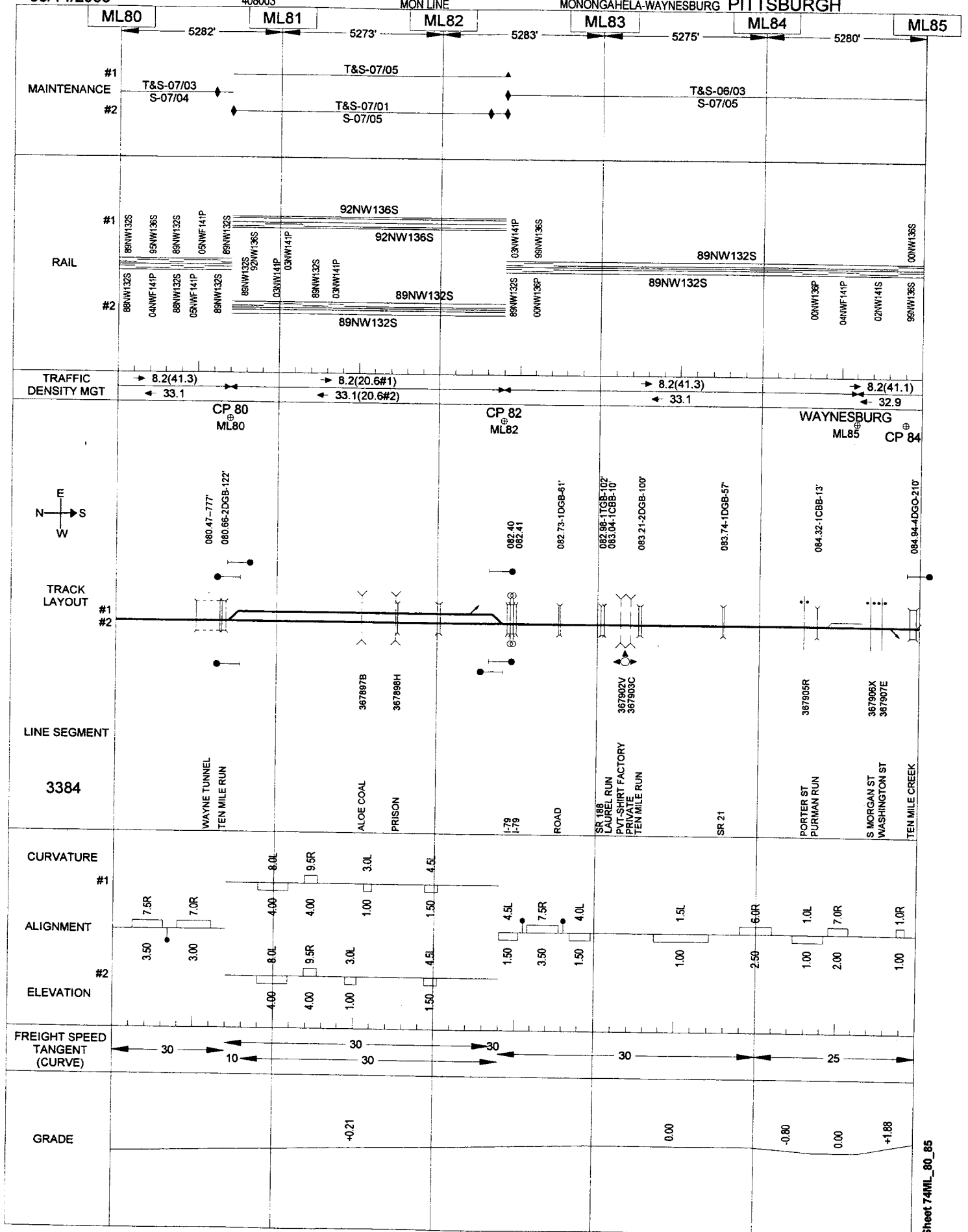


06/14/2006

262

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



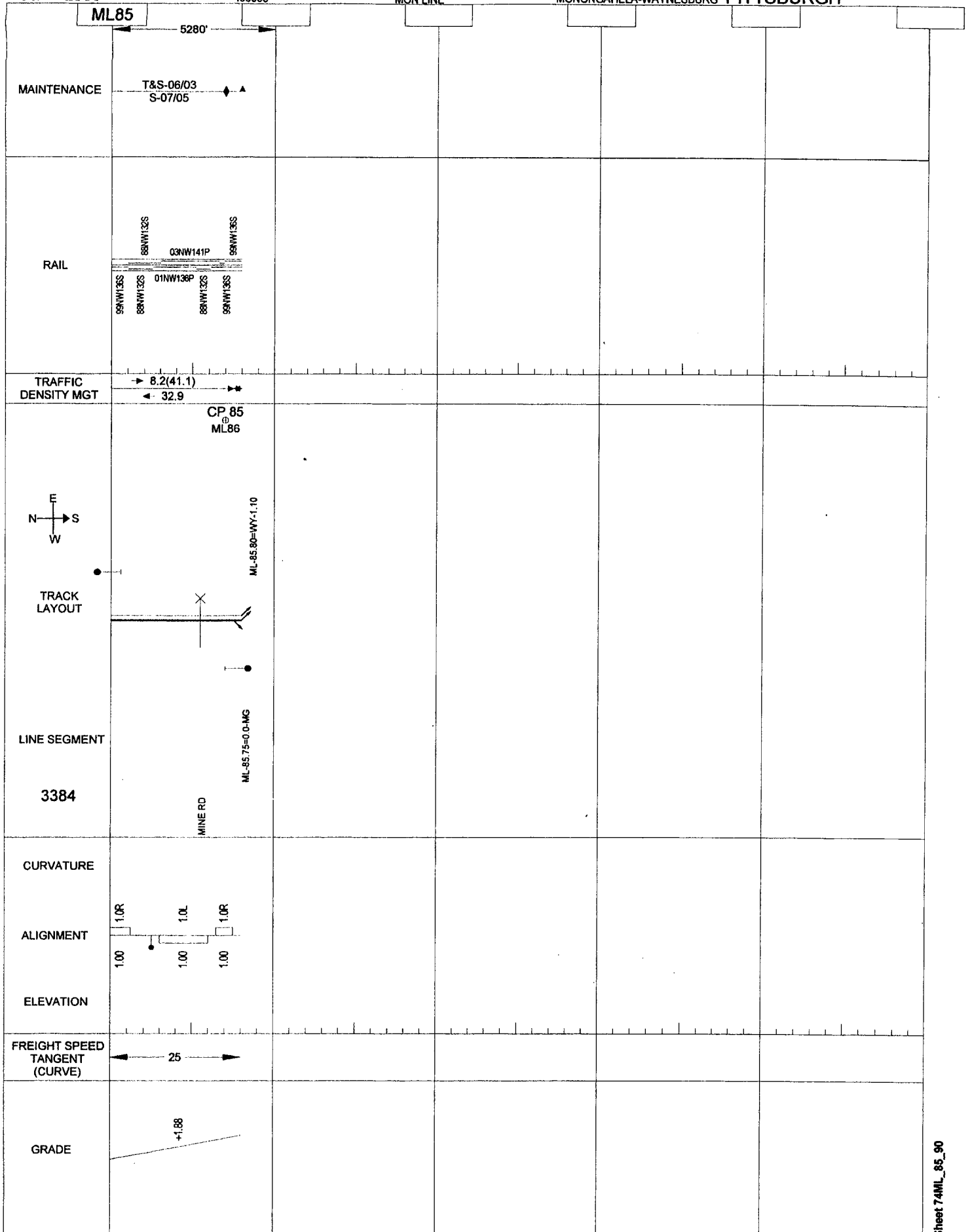
06/14/2006

408003

263

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



06/14/2006

408004

264

WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH

WY2

WY3

WY4

WY5

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-11/05

RAIL

88NW132S 96RW131S 67NW115S 00NW136P 67NW115S 96RW131S 92NW136S 96RW131S 04NWF132S 67NW115S 01NW136P 67NW115S 94NW132S  
88NW132S 96RW131S 67NW115S 92NW136S 94NW132S 67NW115S 96RW131S 92NW136S 96RW131S 04NWF132S 67NW115S 94NW132S

TRAFFIC  
DENSITY MGT

2.2(10.6)

8.4

CP 85

EYE



TRACK  
LAYOUT

WY-1.10-ML-85.80

003.28-6DGO-337'(67)

003.56-5DGO-260'(92)

LINE SEGMENT

3363

PVT-GAS COMPANY 367909T

MW&S ACCESS

LR 30080 PRIVATE

TEN MILE CREEK

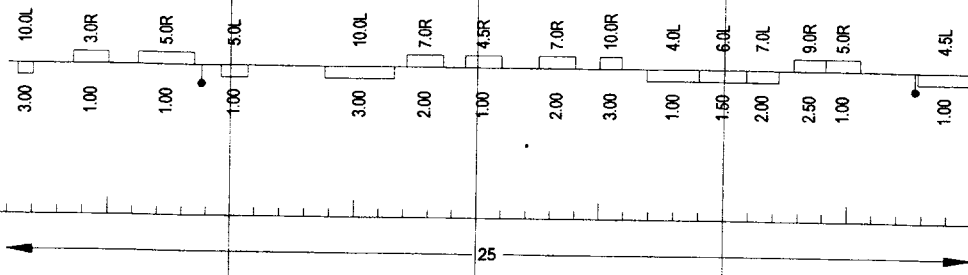
HEATH 367912B

E CLIFF FARM 367913H

CURVATURE

ALIGNMENT

ELEVATION



FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

+0.08

+0.11

-0.16

+0.50

+0.11

+0.77

+0.40

06/14/2006

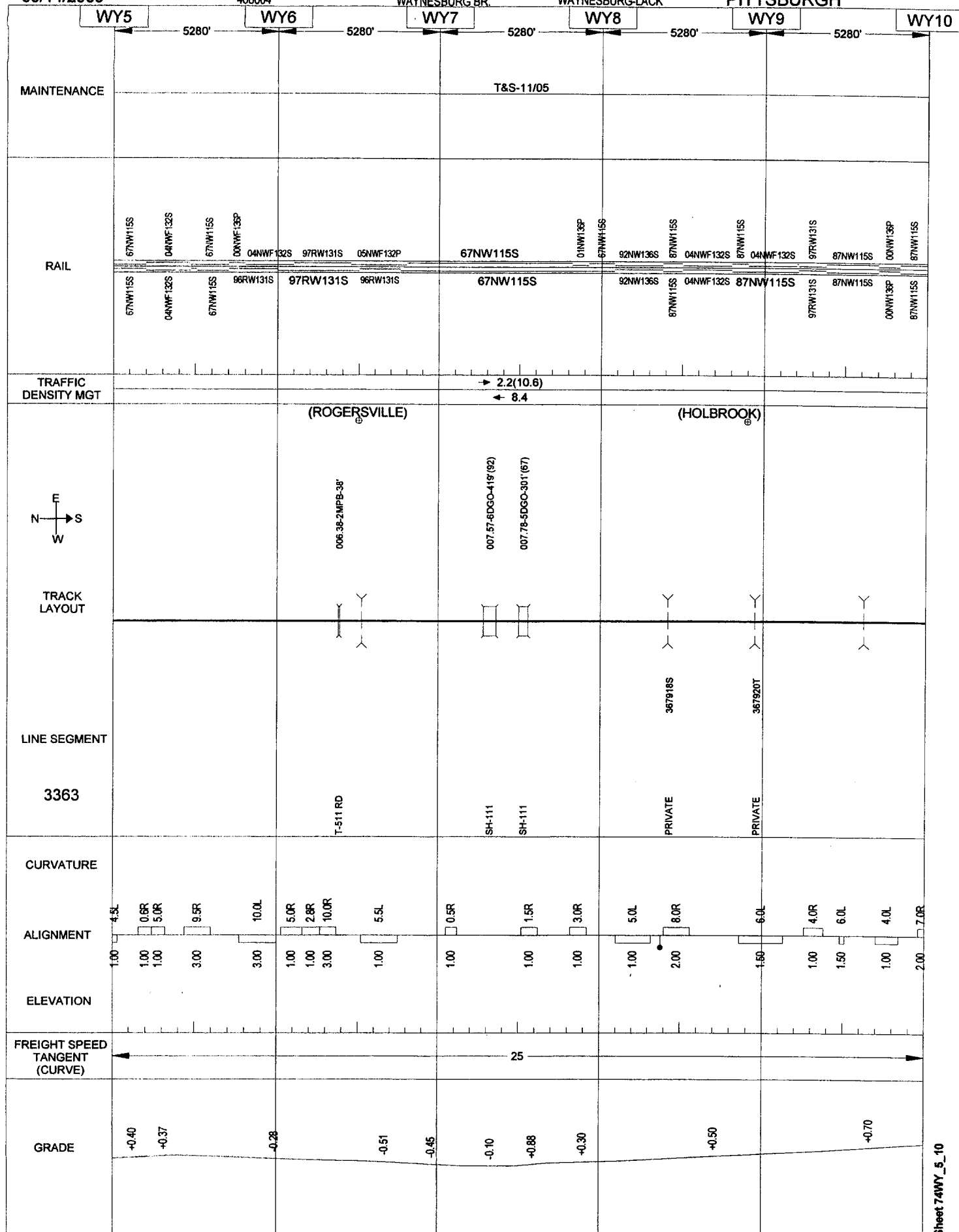
408004

265

WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH



06/14/2006

408004

266

WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH

WY10

WY11

WY12

WY13

WY14

WY15

5280'

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-11/05

T&S-07/05

RAIL

87NW115S

97RW131S

00NW136P

87NW115S

94NW132S

68NW115S

04NW132S

68NW115S

02NW141P

67NW115S

87NW115S

97RW131S

00NW136P

87NW115S

94NW132S

68NW115S

05NW141P

67NW115S

TRAFFIC  
DENSITY MGT

→ 2.2(10.6)

← 8.4

WOOD

TAG



010.13-2MPB-38'  
010.13-1MPB-14'

012.58-1415'

014.12-3DGO-231'

TRACK  
LAYOUT

367922G

367928X

367929E

367220L

LINE SEGMENT

3363

PRIVATE  
T-434 RD  
GRINAGE RUN

TUNNEL RD

TUNNEL

PRIVATE

LR 30005

JOHNS RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

+0.70

+0.39

+0.84

+0.65

-0.50

+0.03



WY20

WY20

T&S-07/05

07RW

96BW131

→ 2.2(10.6)

(SHAMROCK)

## TRACK LAYOUT

3363

## CURVATURE

## ALIGNMENT

### ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

**GRADE**

016.56-4 DGO-258"

LR 30010, TOMS RUN

019.68-3DGO-231'

1.00	2.0L
------	------

1.00	1.0L
------	------

1.00  
3.0R

1.00 2.00

□

1.00  
3.0R

---

—

5.00	5.00
------	------

1.00  
4.0L

50

2.00 8.0R

2.00	8.0L
------	------

2.00	7.0R
------	------

5.0R  
1.00

70.1

- 25

**+0.03**

06/14/2006

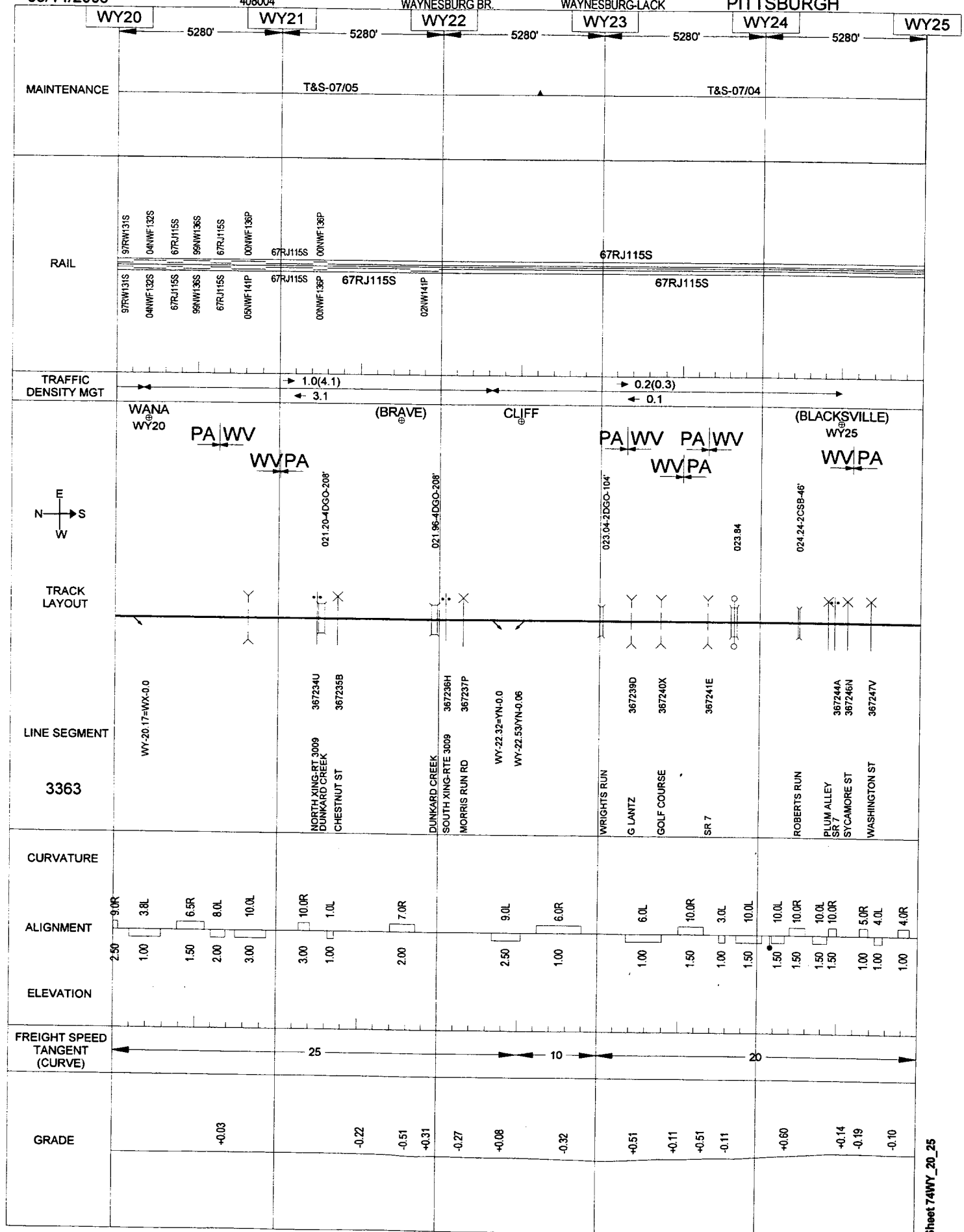
408004

268

WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH



06/14/2006

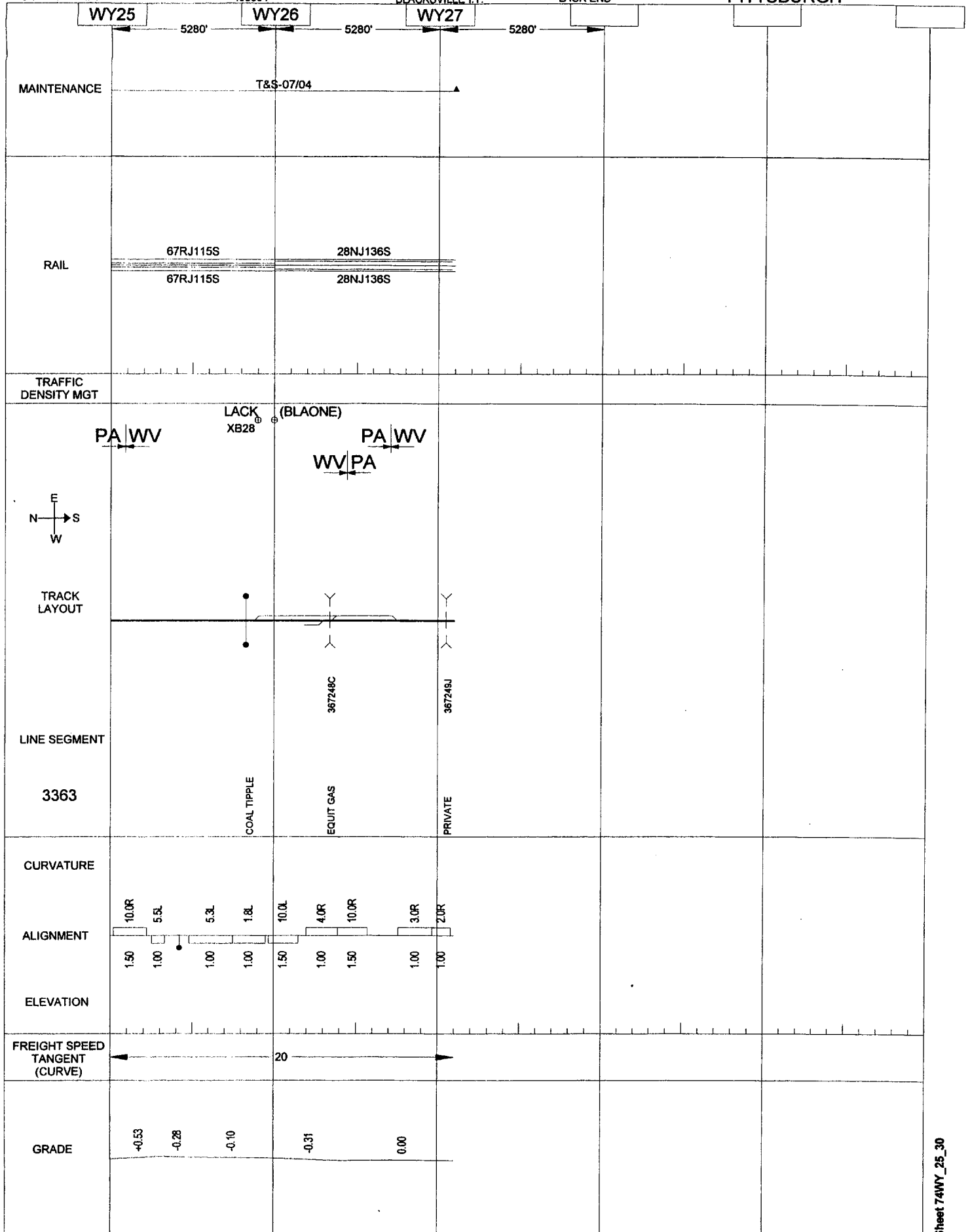
408004

269

BLACKSVILLE I.T.

LACK-END

PITTSBURGH



06/14/2006

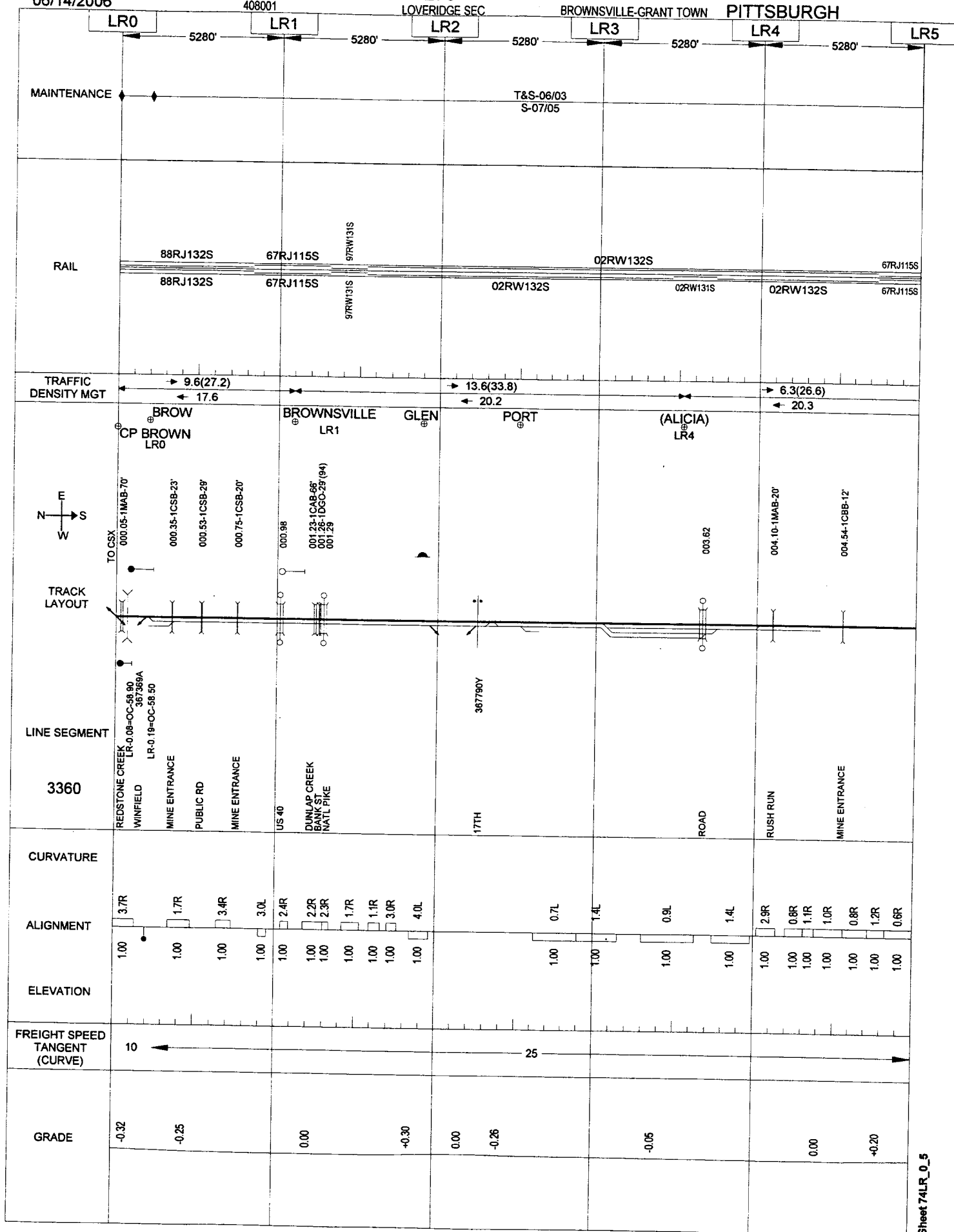
408001

270

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



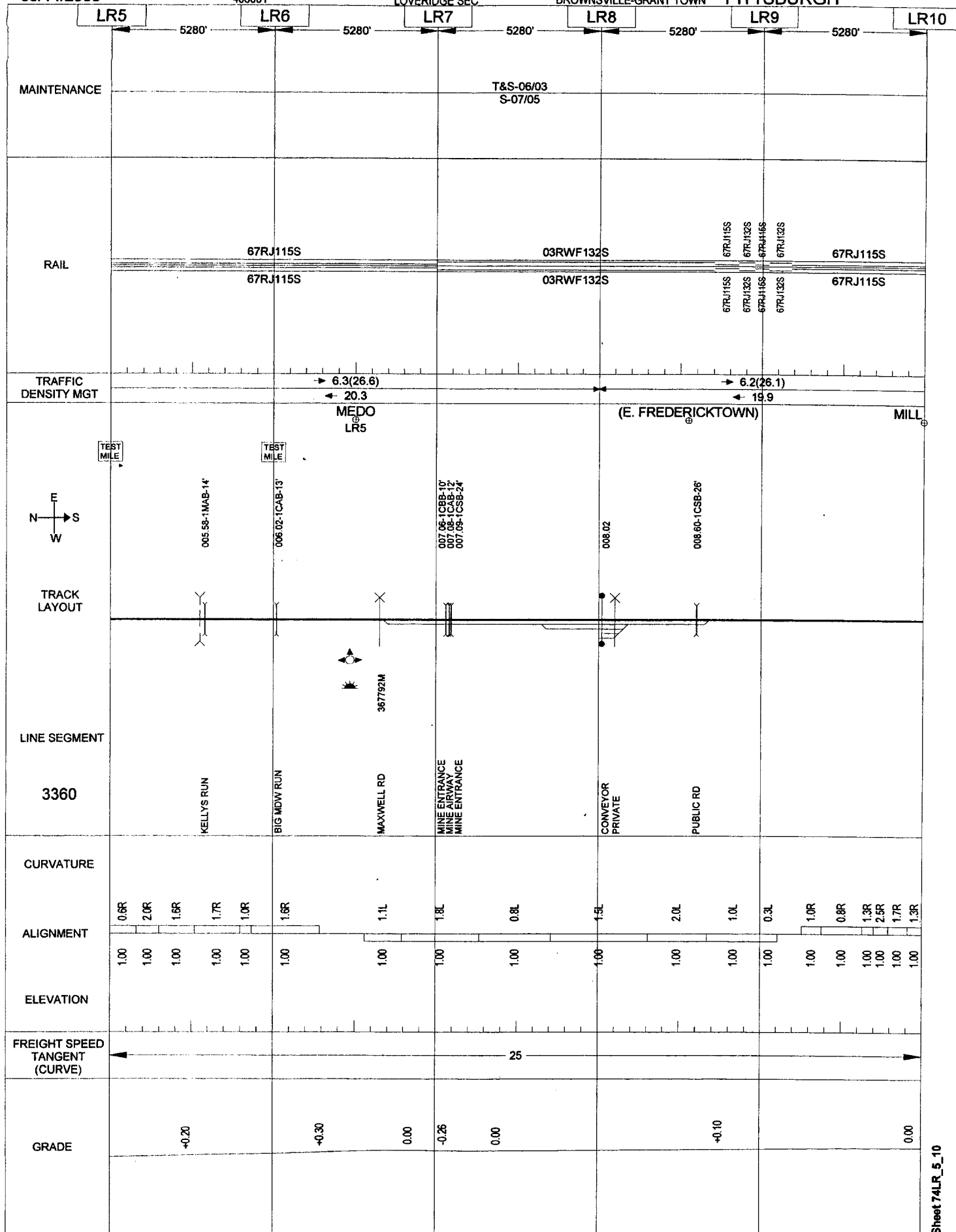
06/14/2006

408001

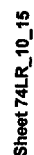
271  
LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



## PITTSBURGH



06/14/2006

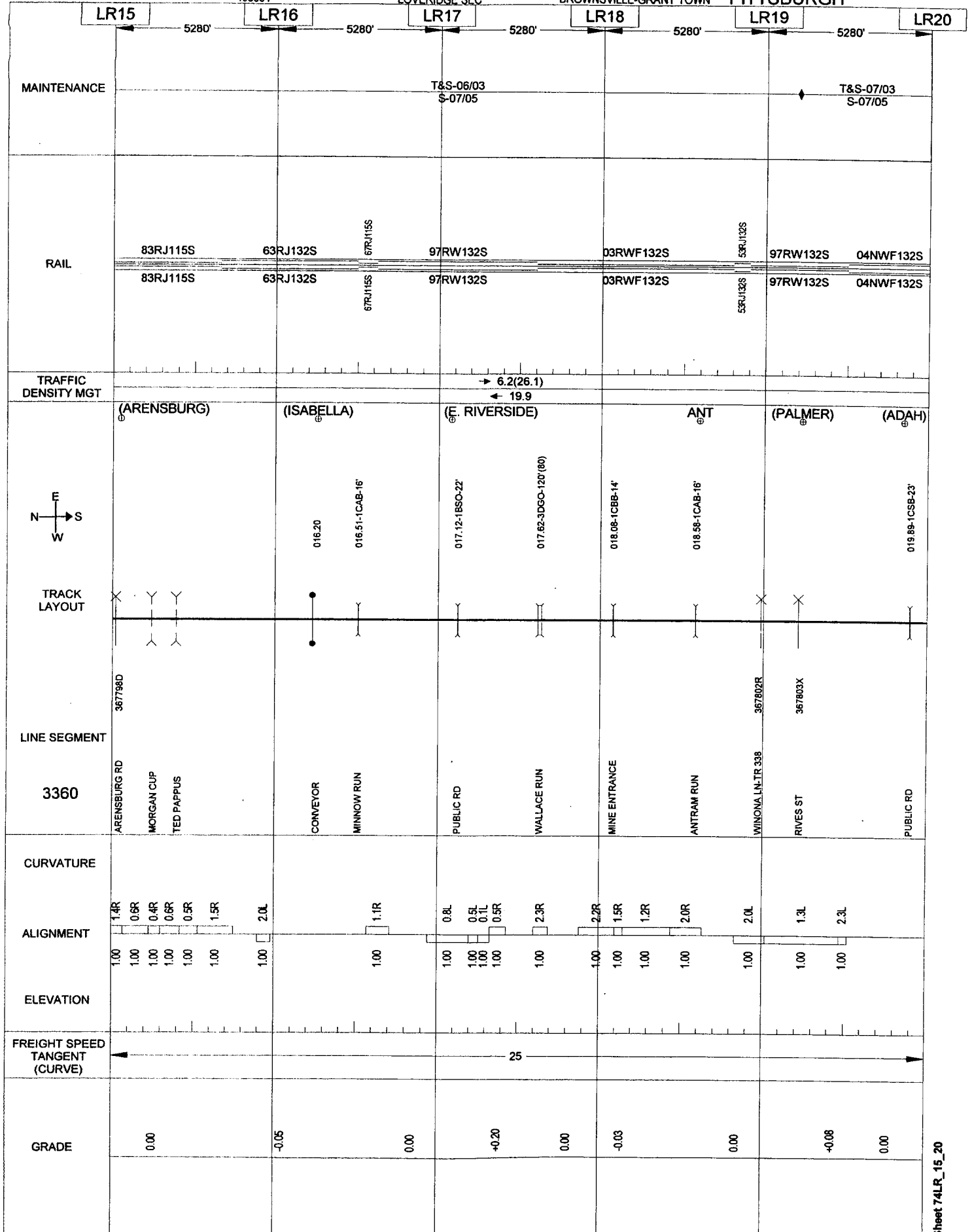
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273

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



06/14/2006

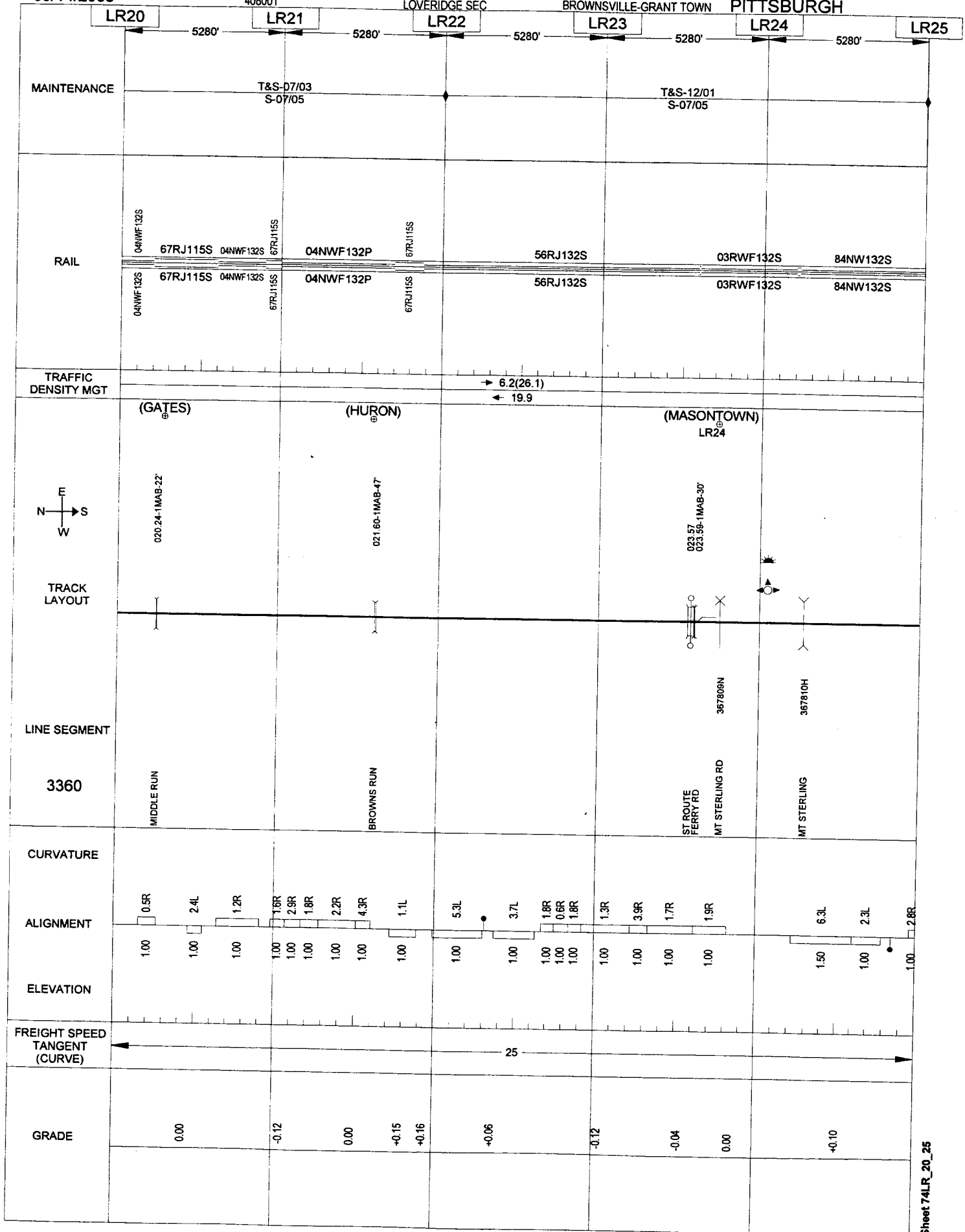
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274

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH





06/14/2006

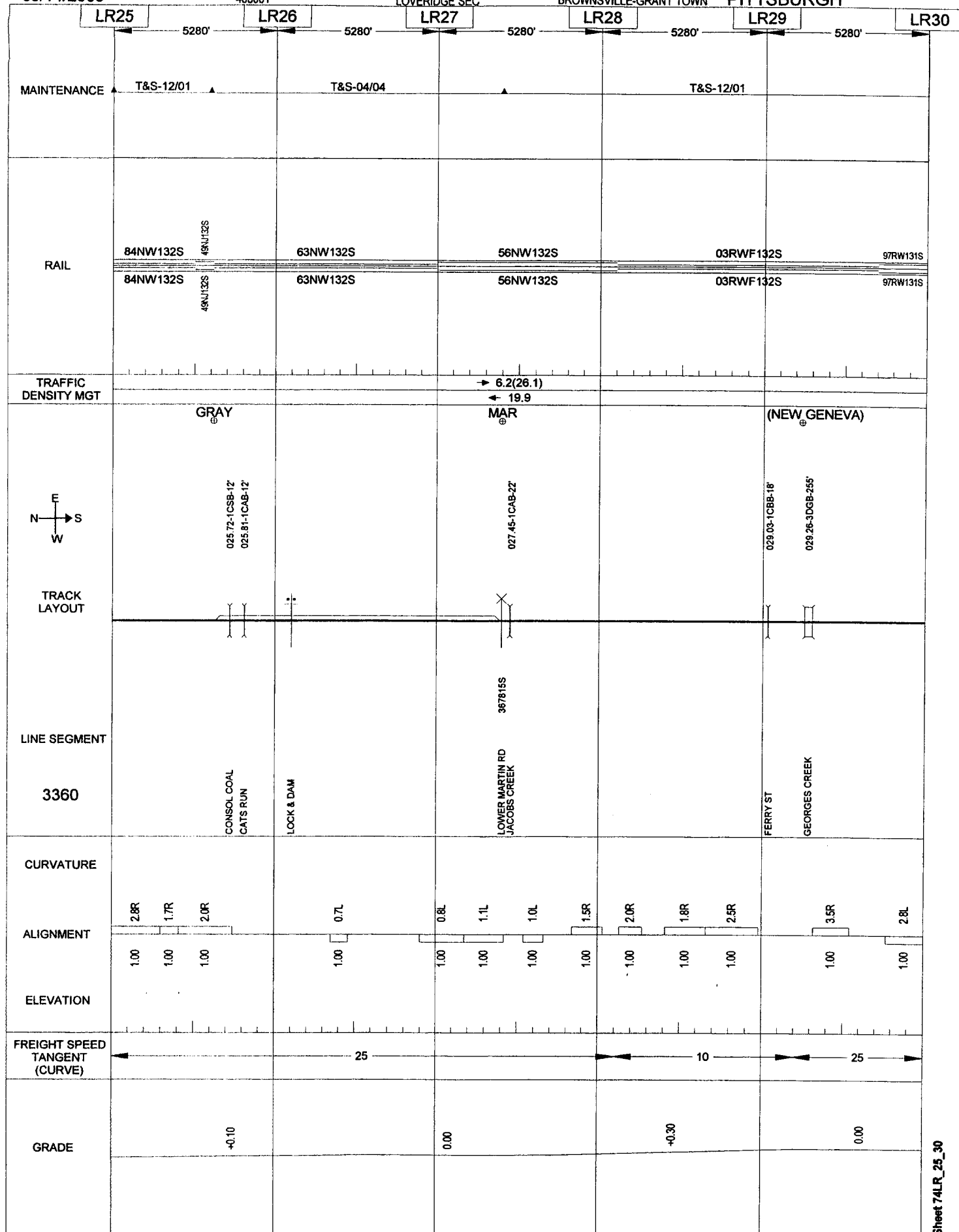
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275

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



06/14/2006

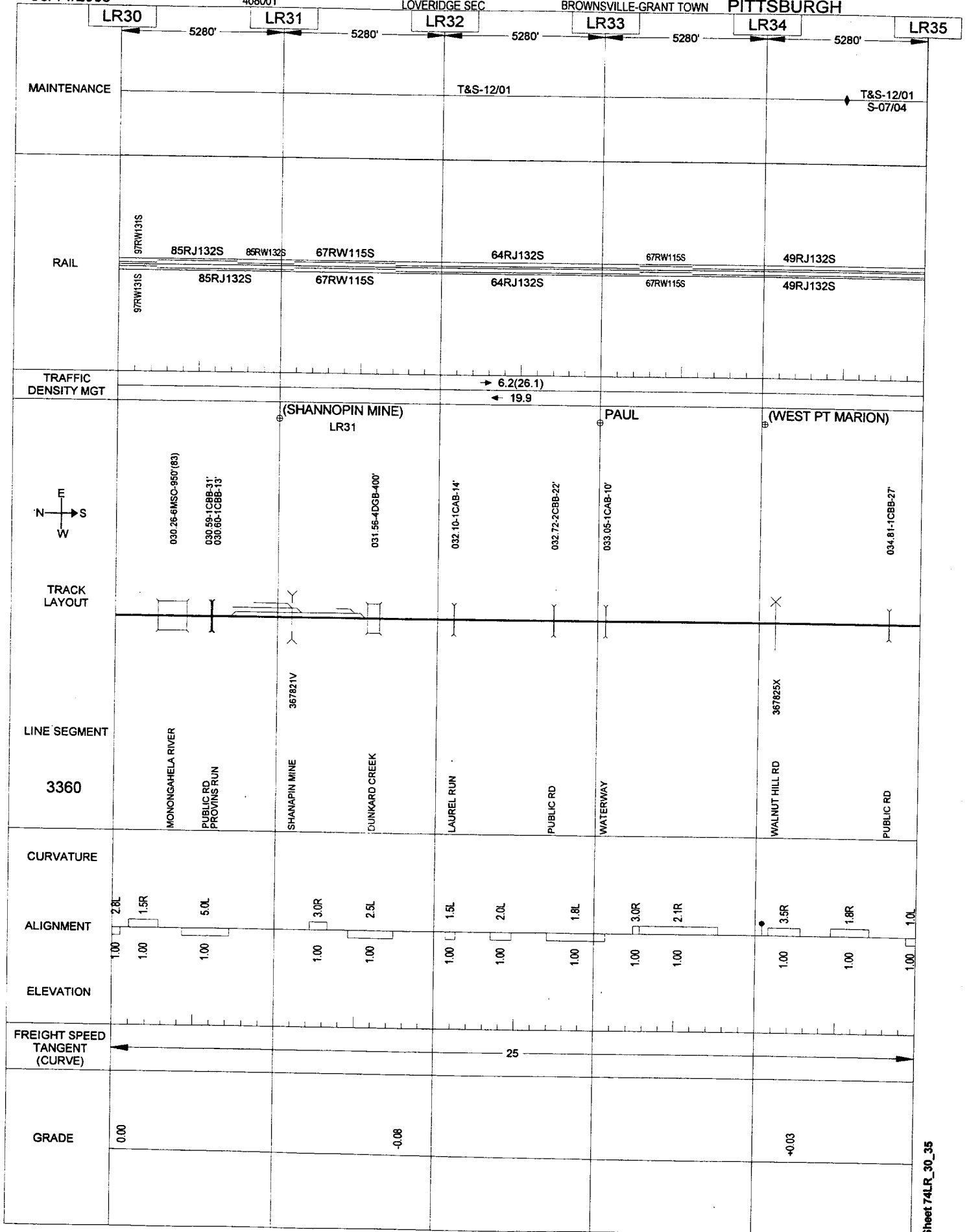
408001

276

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



## PITTSBURGH

1 R40

— 5280'

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

56R.J132S

62(26.0)

← 19.8  
DAVE  
⊕ ⊕  
(W VAN VOORHIS)

035.87-1CAB-24'

036.63-1CSB-11'

## TRACK LAYOUT

3360

## CROOKED RUN

POWER PLANT

WALKWAY

## WATERWAY

SR 53

PRIVATE

## CURVATURE

## ALIGNMENT

Number of nodes	Frequency
1.00	1.00
1.01	1.00
1.02	1.00
1.03	1.00
1.04	1.00
1.05	1.00
1.06	1.00
1.07	1.00
1.08	1.00
1.09	1.00
1.10	1.00
1.11	1.00
1.12	1.00
1.13	1.00
1.14	1.00
1.15	1.00
1.16	1.00
1.17	1.00
1.18	1.00
1.19	1.00
1.20	1.00
1.21	1.00
1.22	1.00
1.23	1.00
1.24	1.00
1.25	1.00
1.26	1.00
1.27	1.00
1.28	1.00
1.29	1.00
1.30	1.00
1.31	1.00
1.32	1.00
1.33	1.00
1.34	1.00
1.35	1.00
1.36	1.00
1.37	1.00
1.38	1.00
1.39	1.00
1.40	1.00
1.41	1.00
1.42	1.00
1.43	1.00
1.44	1.00
1.45	1.00
1.46	1.00
1.47	1.00
1.48	1.00
1.49	1.00
1.50	1.00
1.51	1.00
1.52	1.00
1.53	1.00
1.54	1.00
1.55	1.00
1.56	1.00
1.57	1.00
1.58	1.00
1.59	1.00
1.60	1.00
1.61	1.00
1.62	1.00
1.63	1.00
1.64	1.00
1.65	1.00
1.66	1.00
1.67	1.00
1.68	1.00
1.69	1.00
1.70	1.00
1.71	1.00
1.72	1.00
1.73	1.00
1.74	1.00
1.75	1.00
1.76	1.00
1.77	1.00
1.78	1.00
1.79	1.00
1.80	1.00
1.81	1.00
1.82	1.00
1.83	1.00
1.84	1.00
1.85	1.00
1.86	1.00
1.87	1.00
1.88	1.00
1.89	1.00
1.90	1.00
1.91	1.00
1.92	1.00
1.93	1.00
1.94	1.00
1.95	1.00
1.96	1.00
1.97	1.00
1.98	1.00
1.99	1.00
2.00	1.00
2.01	1.00
2.02	1.00
2.03	1.00
2.04	1.00
2.05	1.00
2.06	1.00
2.07	1.00
2.08	1.00
2.09	1.00
2.10	1.00
2.11	1.00
2.12	1.00
2.13	1.00
2.14	1.00
2.15	1.00
2.16	1.00
2.17	1.00
2.18	1.00
2.19	1.00
2.20	1.00
2.21	1.00
2.22	1.00
2.23	1.00
2.24	1.00
2.25	1.00
2.26	1.00
2.27	1.00
2.28	1.00
2.29	1.00
2.30	1.00
2.31	1.00
2.32	1.00
2.33	1.00
2.34	1.00
2.35	1.00
2.36	1.00
2.37	1.00
2.38	1.00
2.39	1.00
2.40	1.00
2.41	1.00
2.42	1.00
2.43	1.00
2.44	1.00
2.45	1.00
2.46	1.00
2.47	1.00
2.48	1.00
2.49	1.00
2.50	1.00
2.51	1.00
2.52	1.00
2.53	1.00
2.54	1.00
2.55	1.00
2.56	1.00
2.57	1.00
2.58	1.00
2.59	1.00
2.60	1.00
2.61	1.00
2.62	1.00
2.63	1.00
2.64	1.00
2.65	1.00
2.66	1.00
2.67	1.00
2.68	1.00
2.69	1.00
2.70	1.00

### ELEVATION

**FREIGHT SPEED  
TANGENT  
(CURVE)**

- 25

**GRADE**

**+0.03**

+0.05

3

06/14/2006

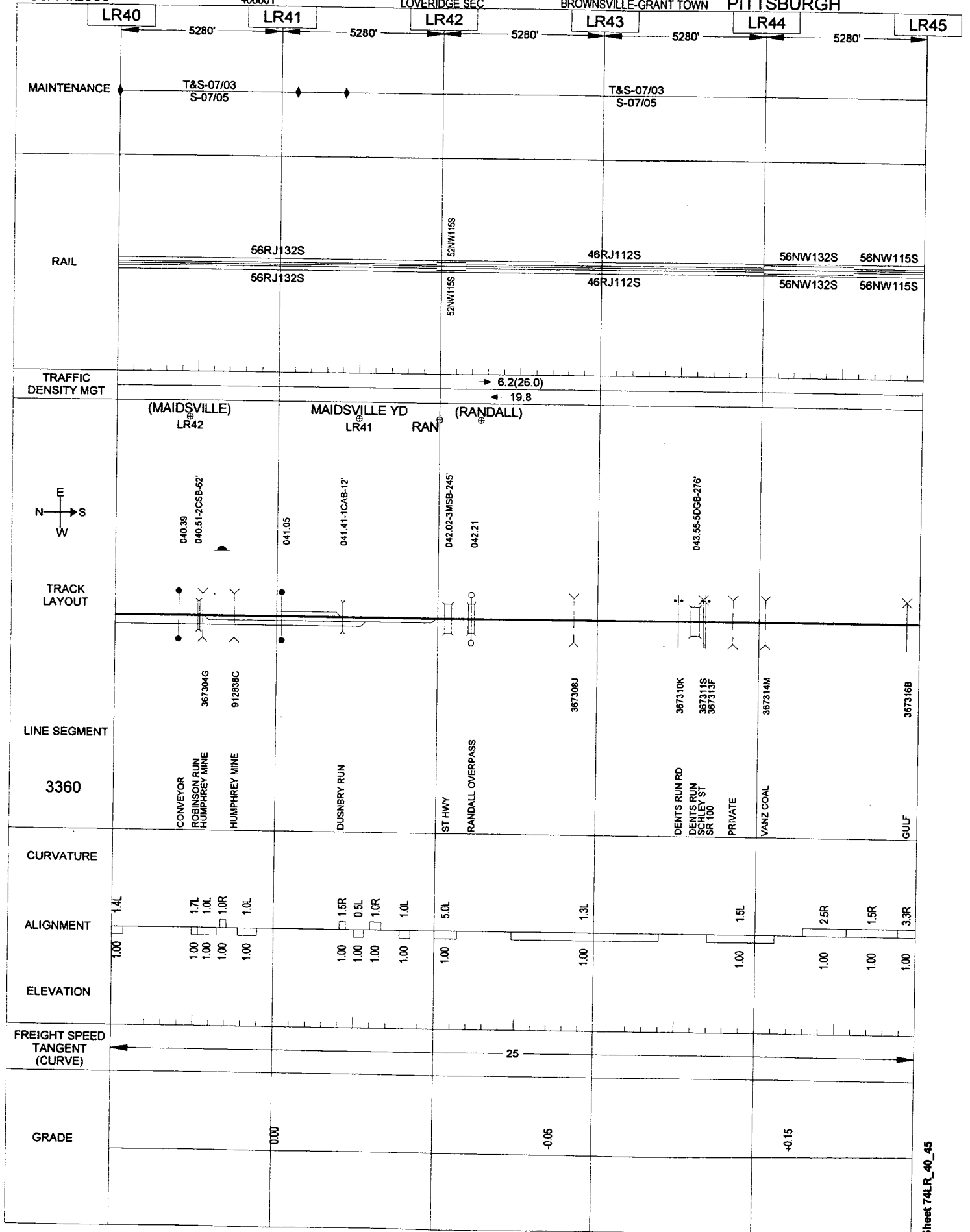
408001

278

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



06/14/2006

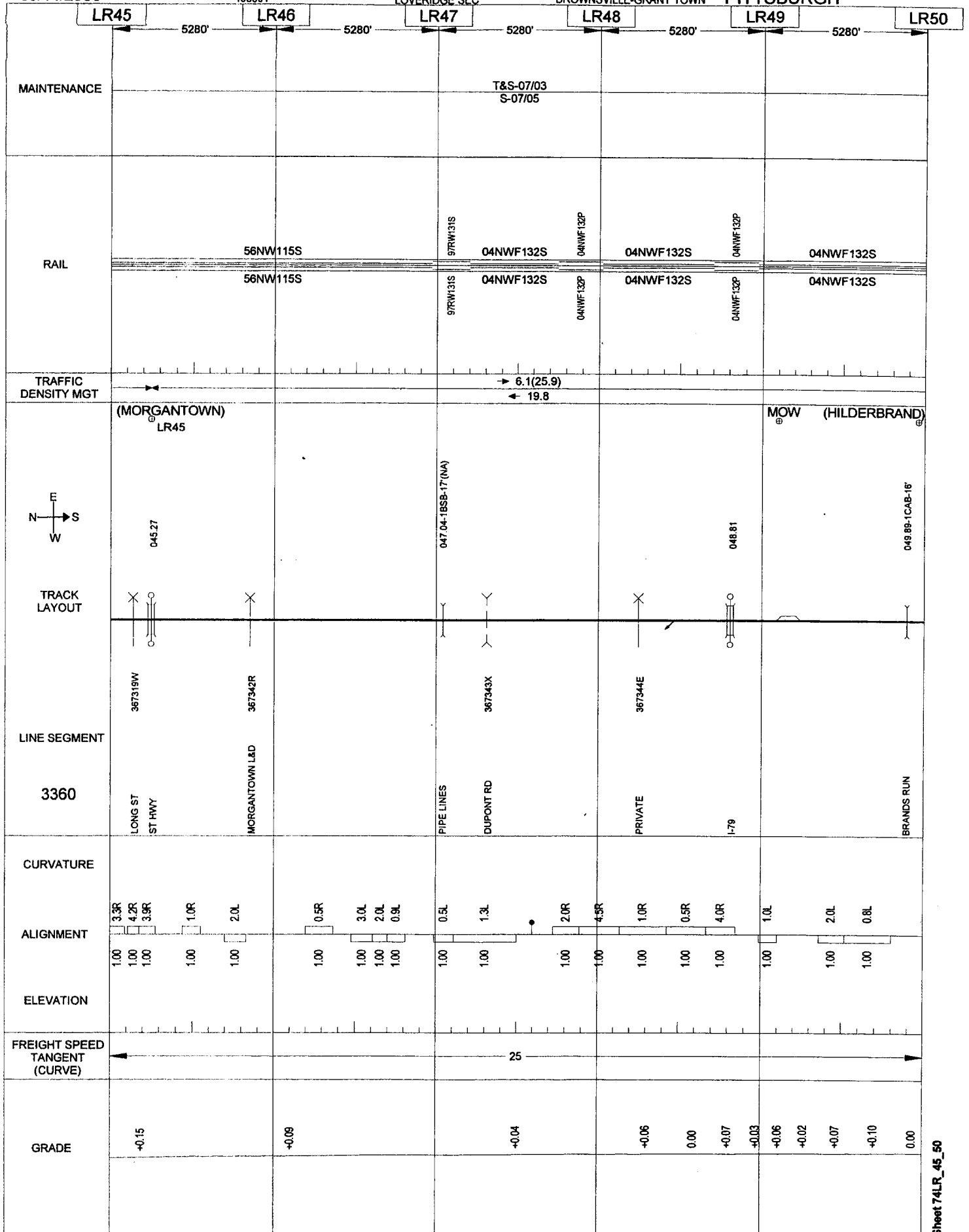
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279

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



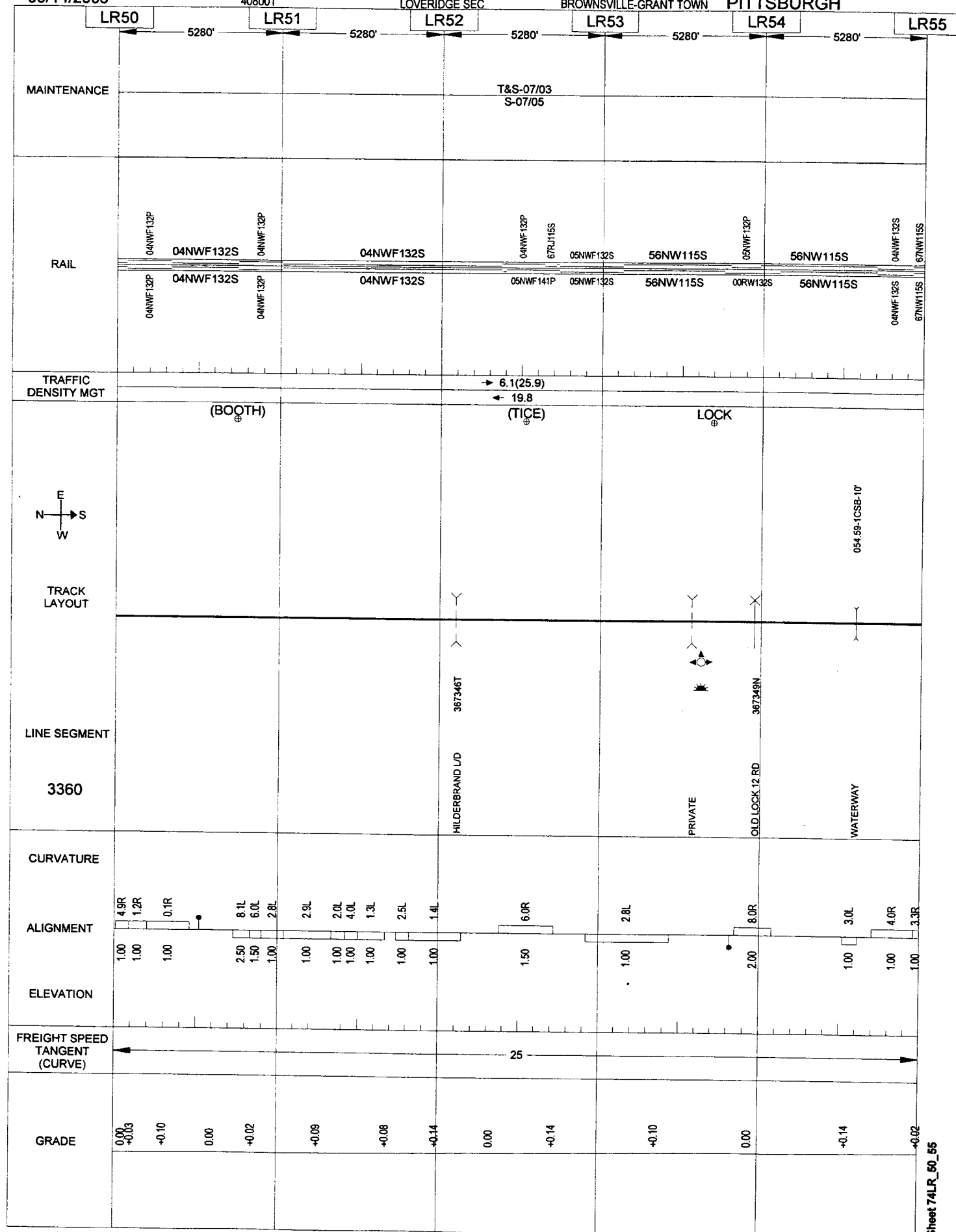
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280

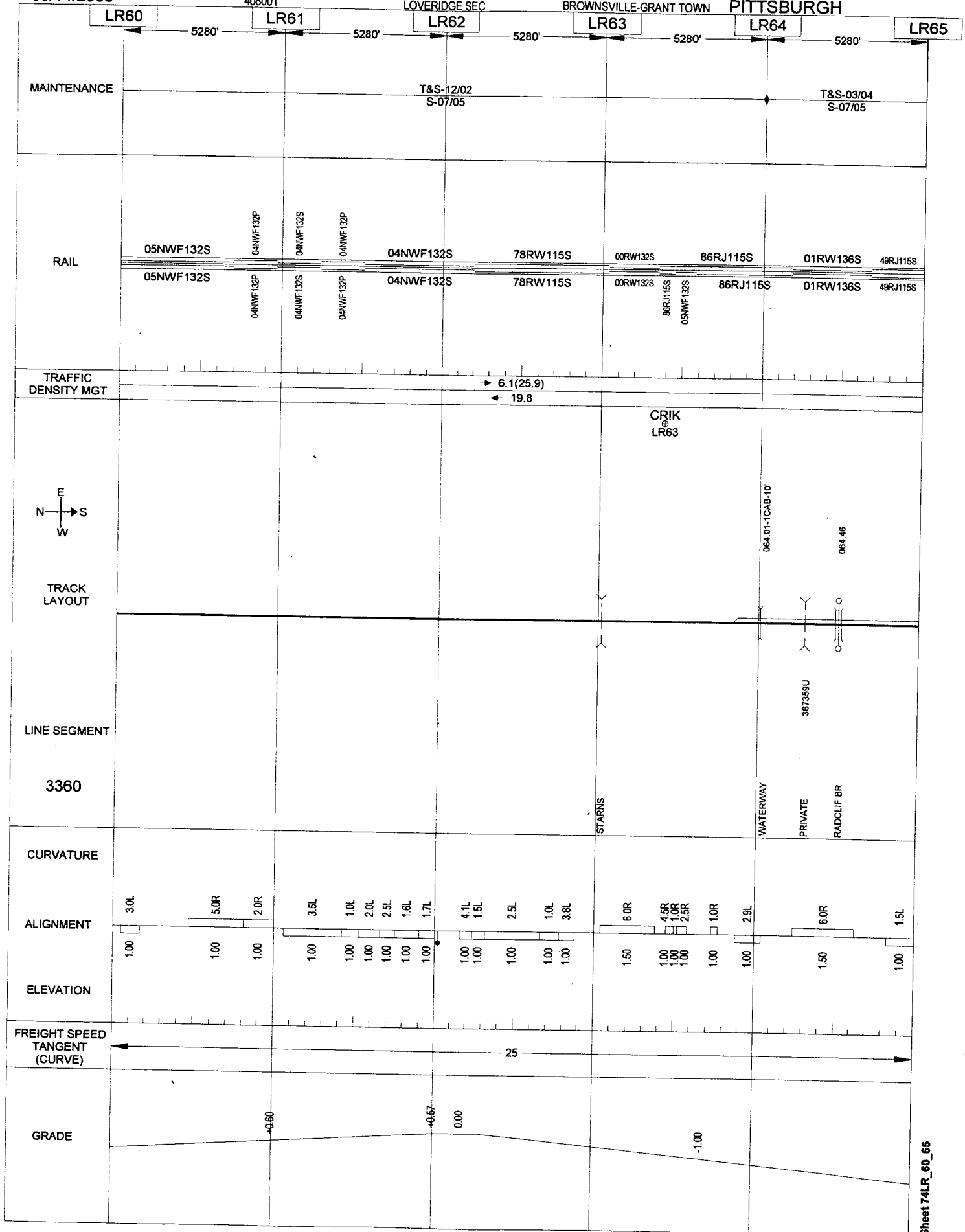
LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

## PITTSBURGH









06/14/2006

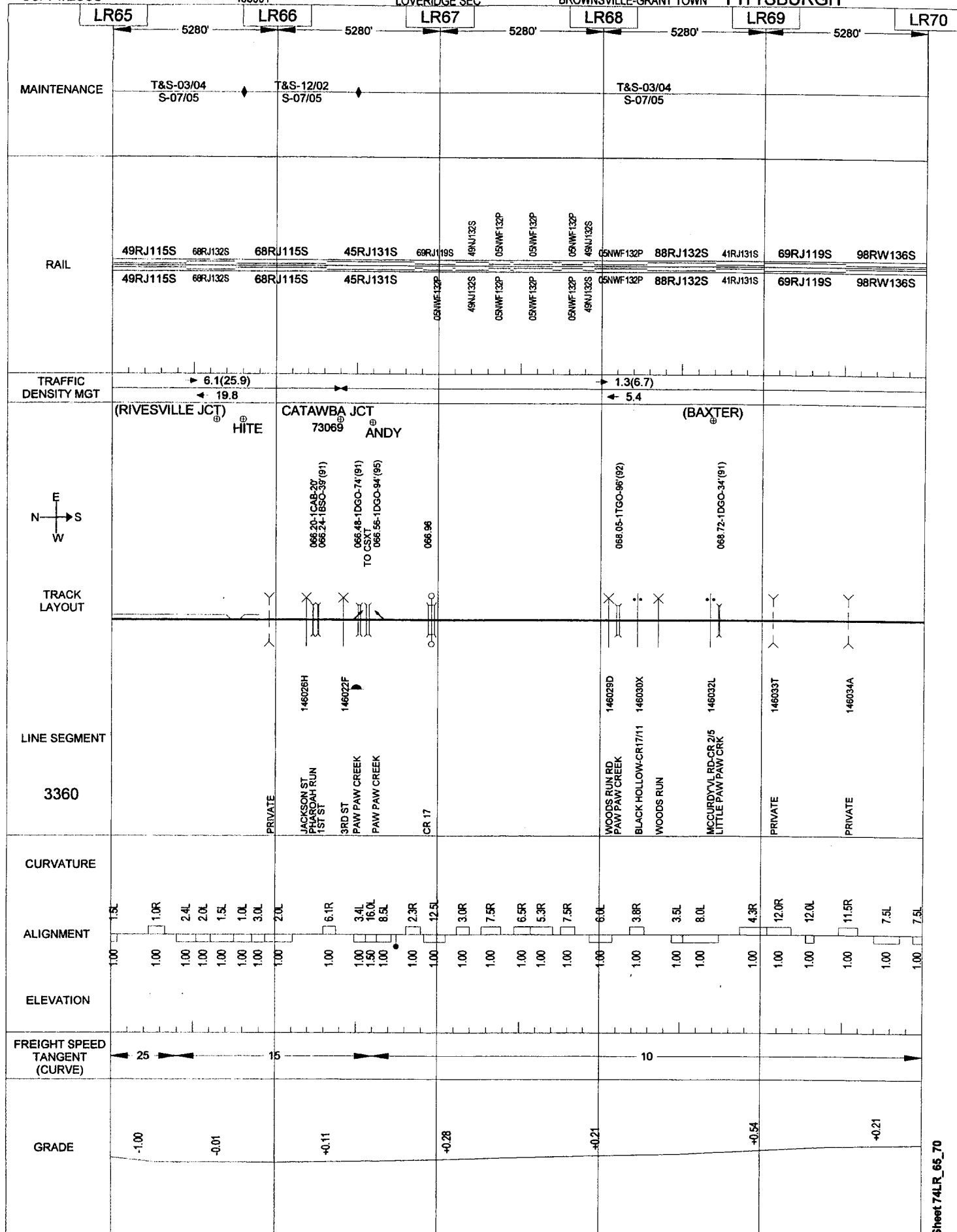
408001

283

LOVERIDGE SEC

BROWNSVILLE-GRANT TOWN

PITTSBURGH



06/14/2006

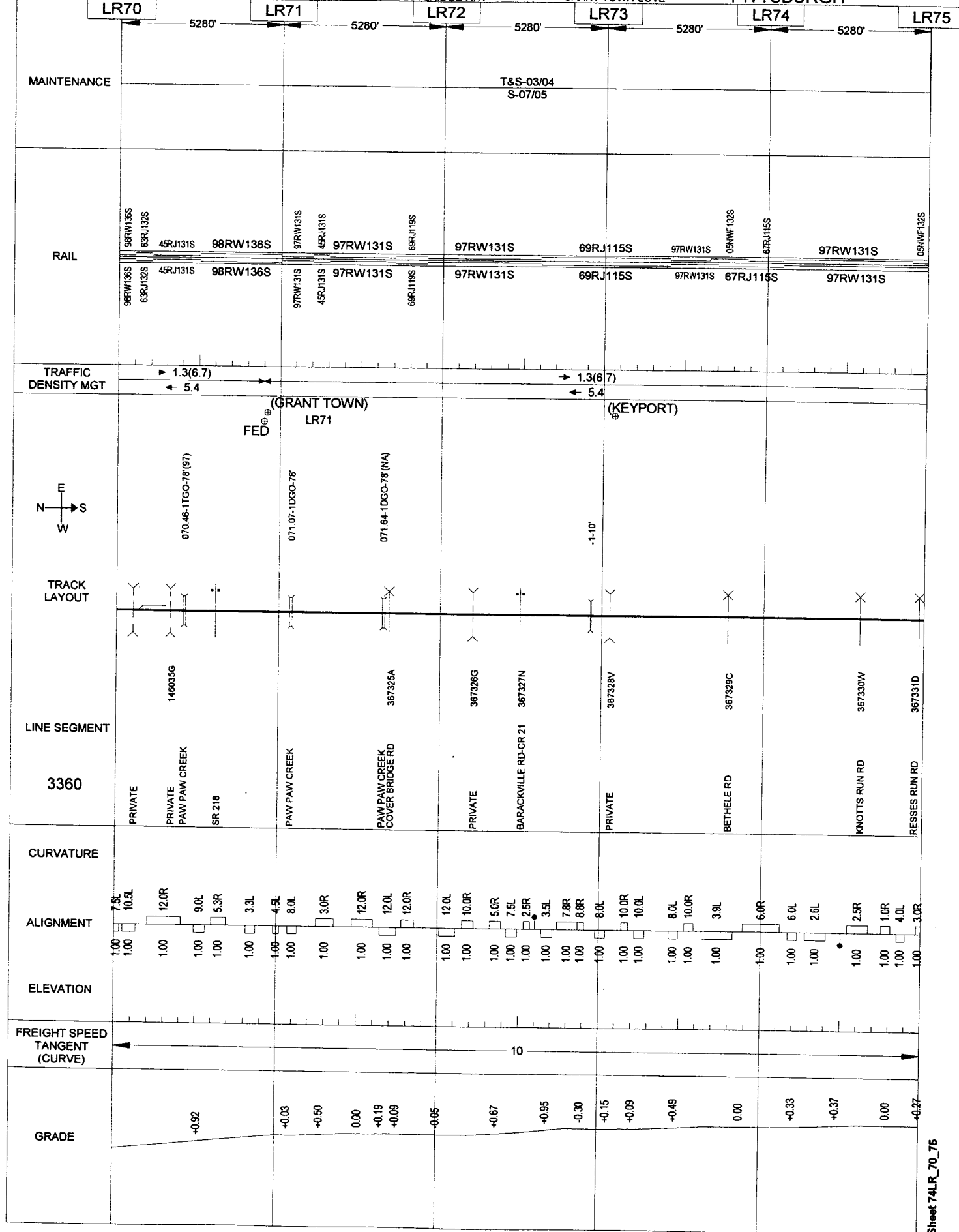
408001

284

LOVERIDGE R.T.

GRANT TOWN-LOVE

PITTSBURGH



06/14/2006

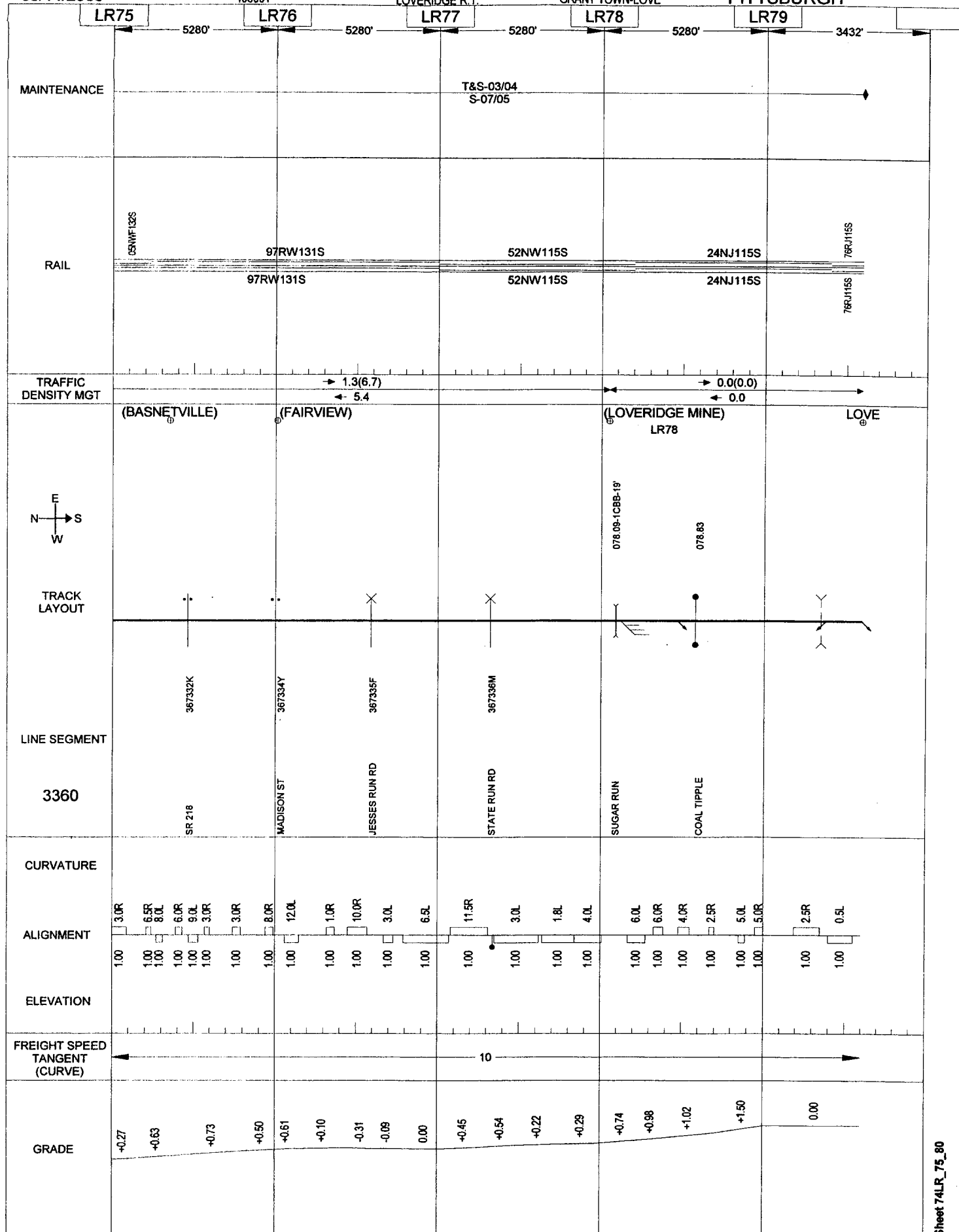
408001

285

LOVERIDGE R.T.

GRANT TOWN-LOVE

PITTSBURGH



06/14/2006

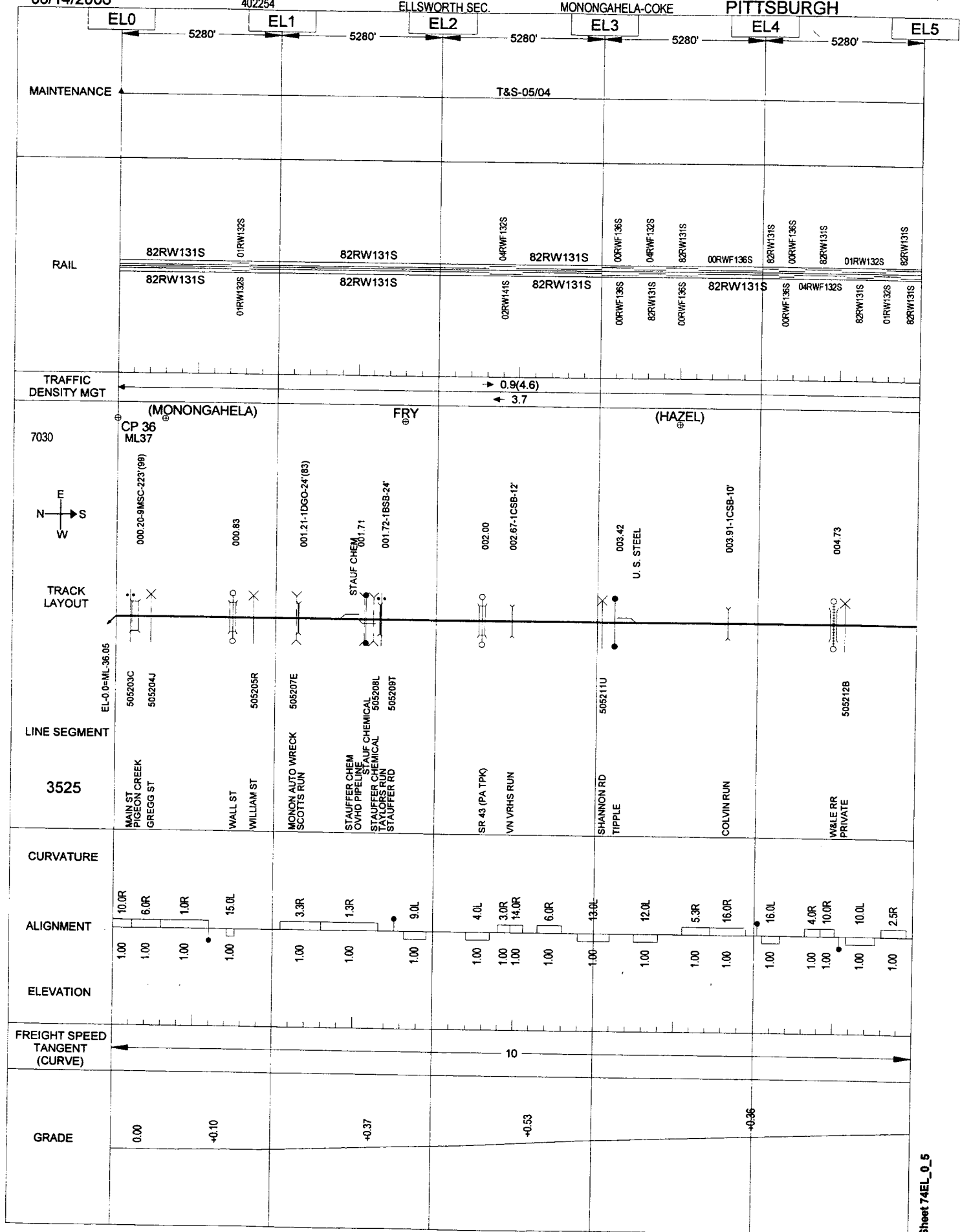
402254

286

ELLSWORTH SEC.

MONONGAHELA-COKE

PITTSBURGH



06/14/2006

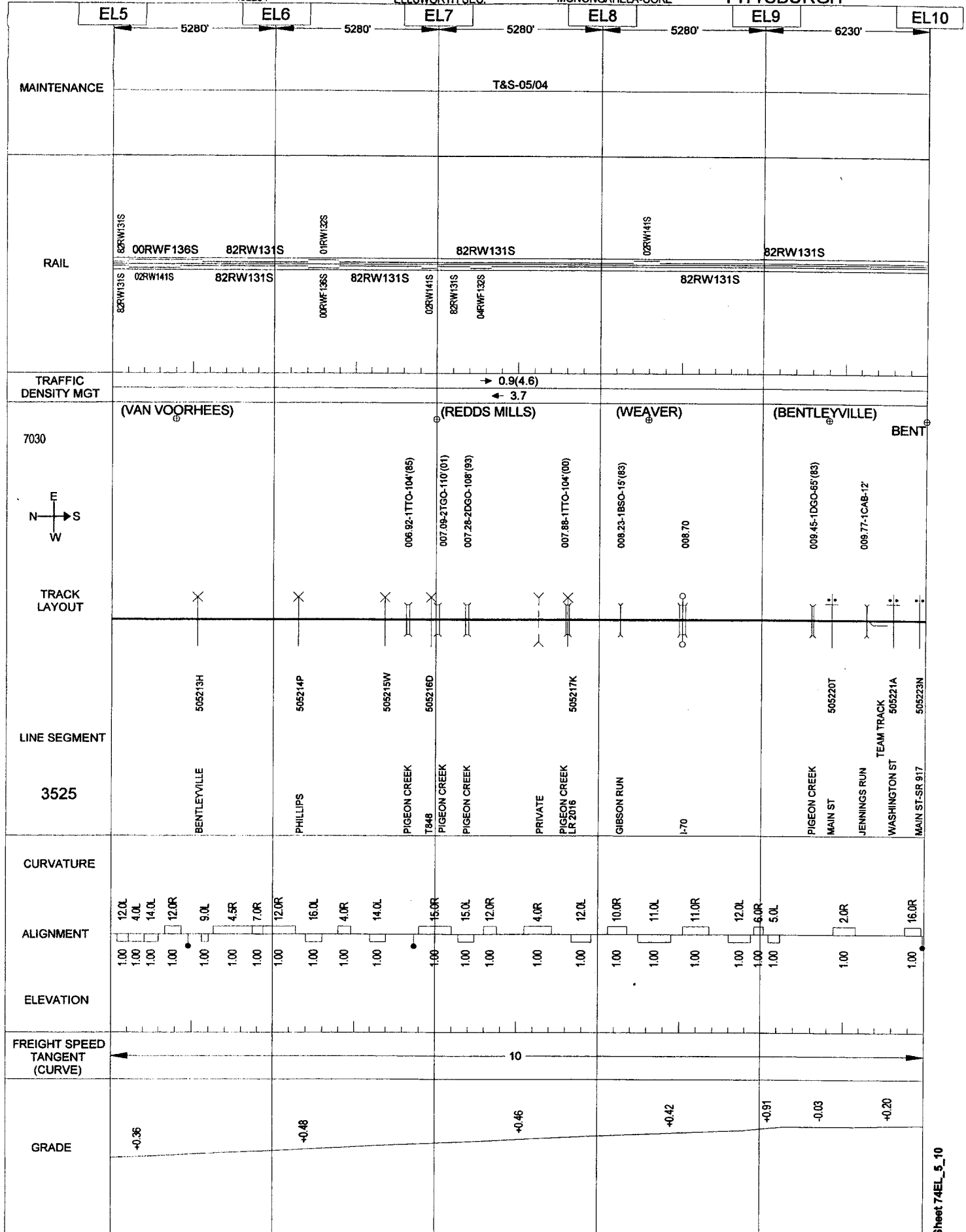
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287

ELLSWORTH SEC.

MONONGAHELA-COKE

PITTSBURGH



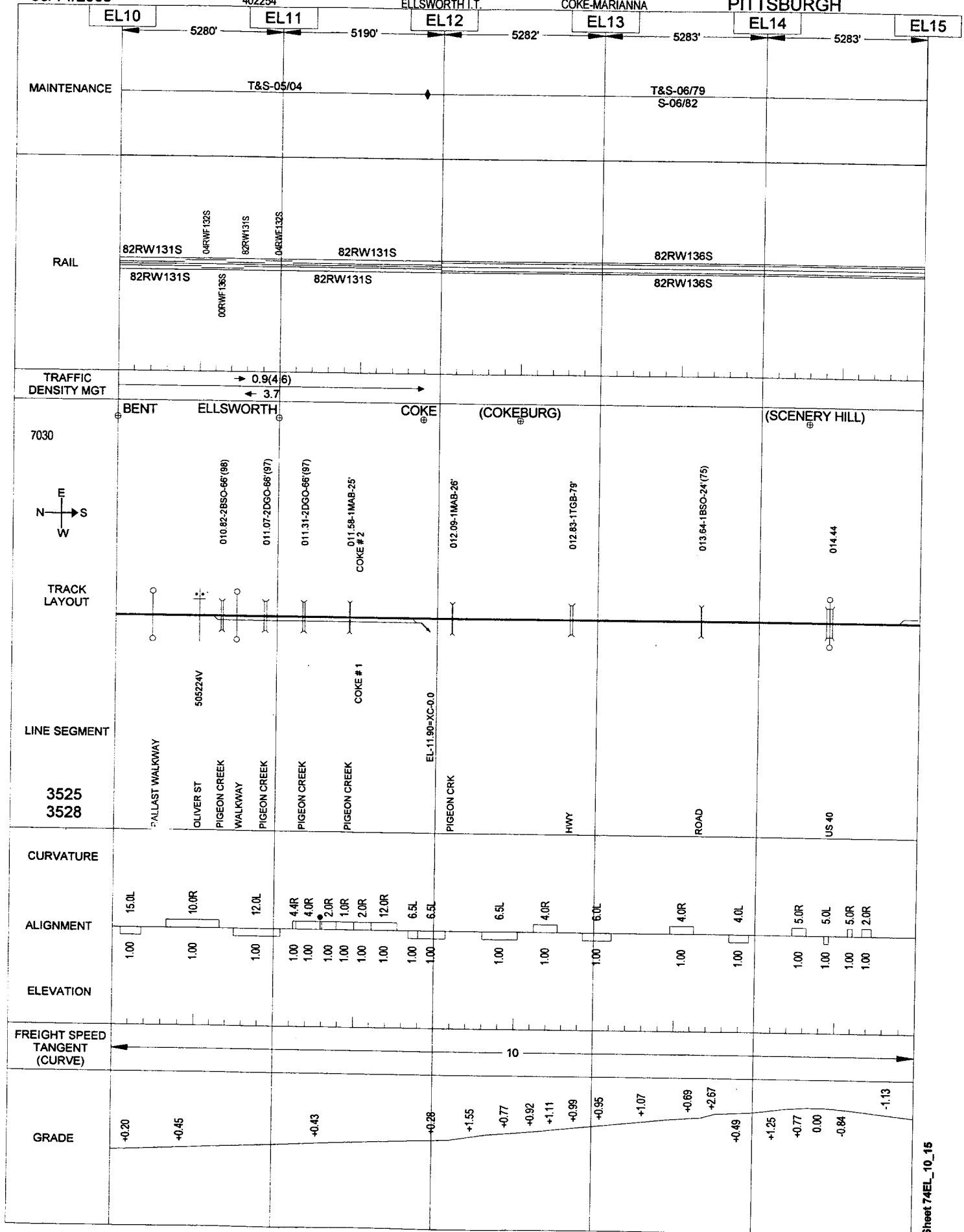
06/14/2006

288

ELLSWORTH I.T.

COKE-MARIANNA

PITTSBURGH



06/14/2006

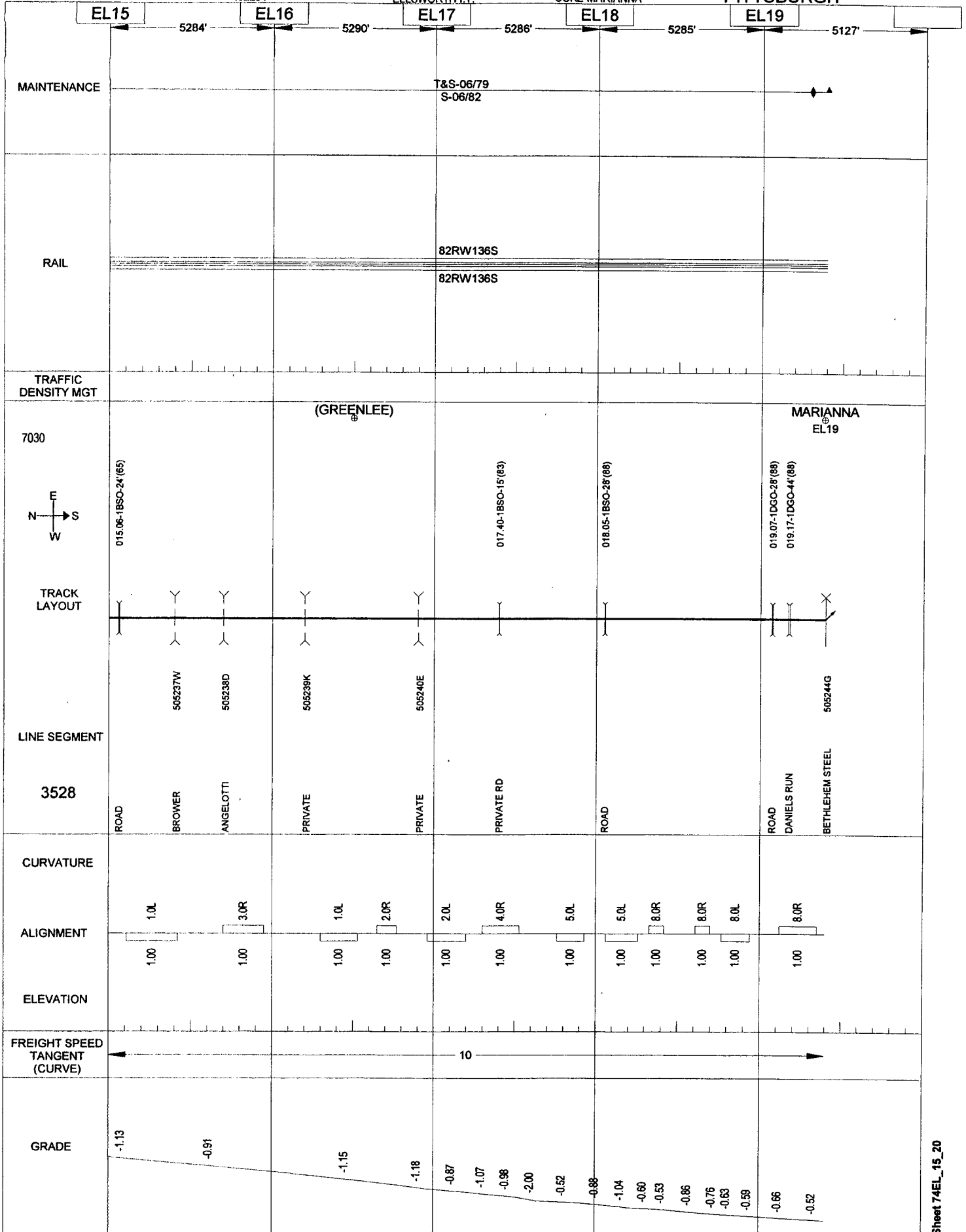
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289

ELLSWORTH I.T.

COKE-MARIANNA

PITTSBURGH



06/14/2006

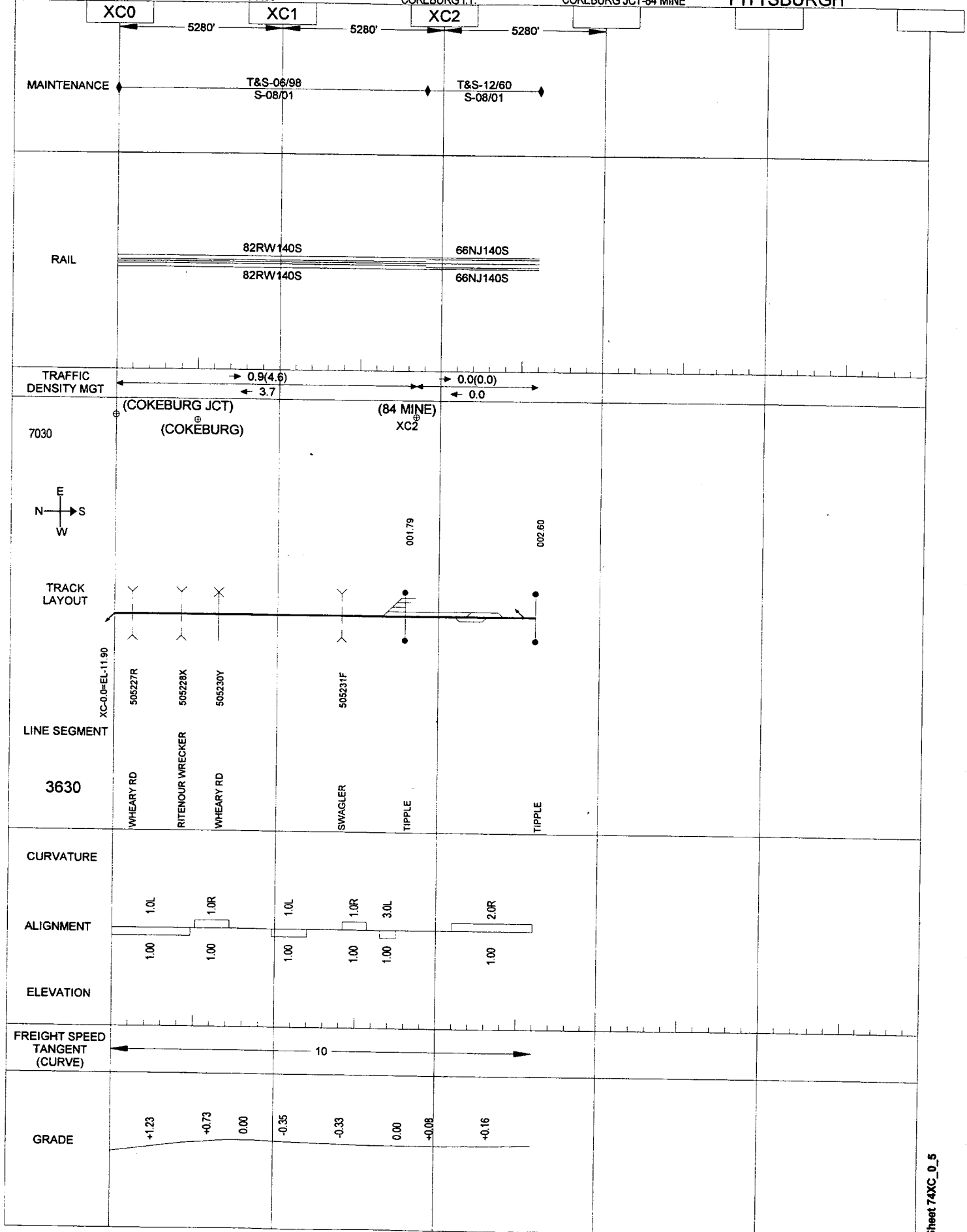
402255

290

COKEBURG I.T.

COKEBURG JCT-84 MINE

PITTSBURGH





06/14/2006

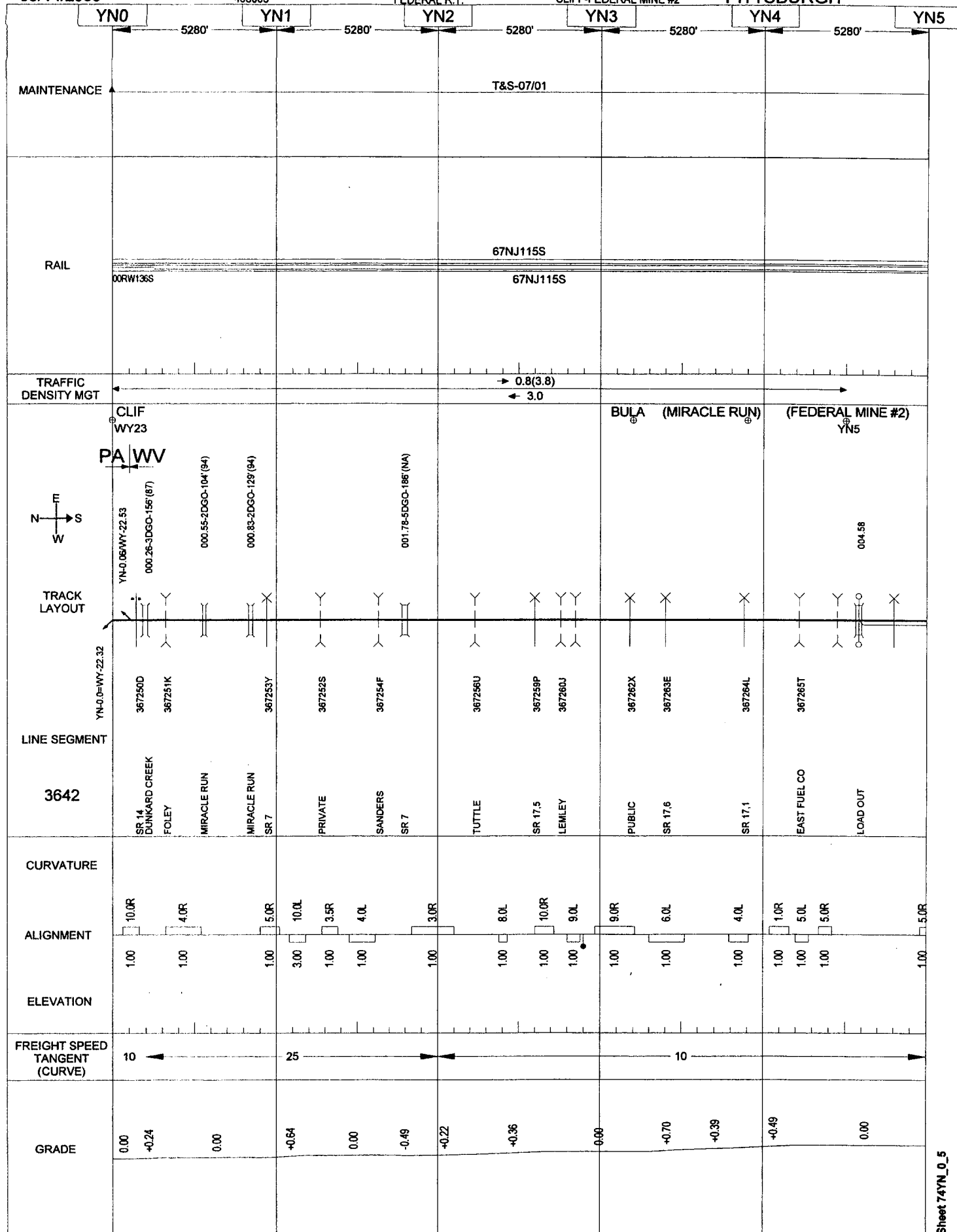
408005

291

FEDERAL R.T.

CLIFF-FEDERAL MINE #2

PITTSBURGH



06/14/2006

408005

292  
FEDERAL R.T.

CLIFF-FEDERAL MINE #2

PITTSBURGH

YN5

YN6

5068'

MAINTENANCE

T&S-07/01

RAIL

21NJ136S

21NJ136S

TRAFFIC  
DENSITY MGT



TRACK  
LAYOUT

LINE SEGMENT

3642



367267G

PHILLIPS

CURVATURE

ALIGNMENT

ELEVATION

5.0R

4.0L

3.8L

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

06/14/2006

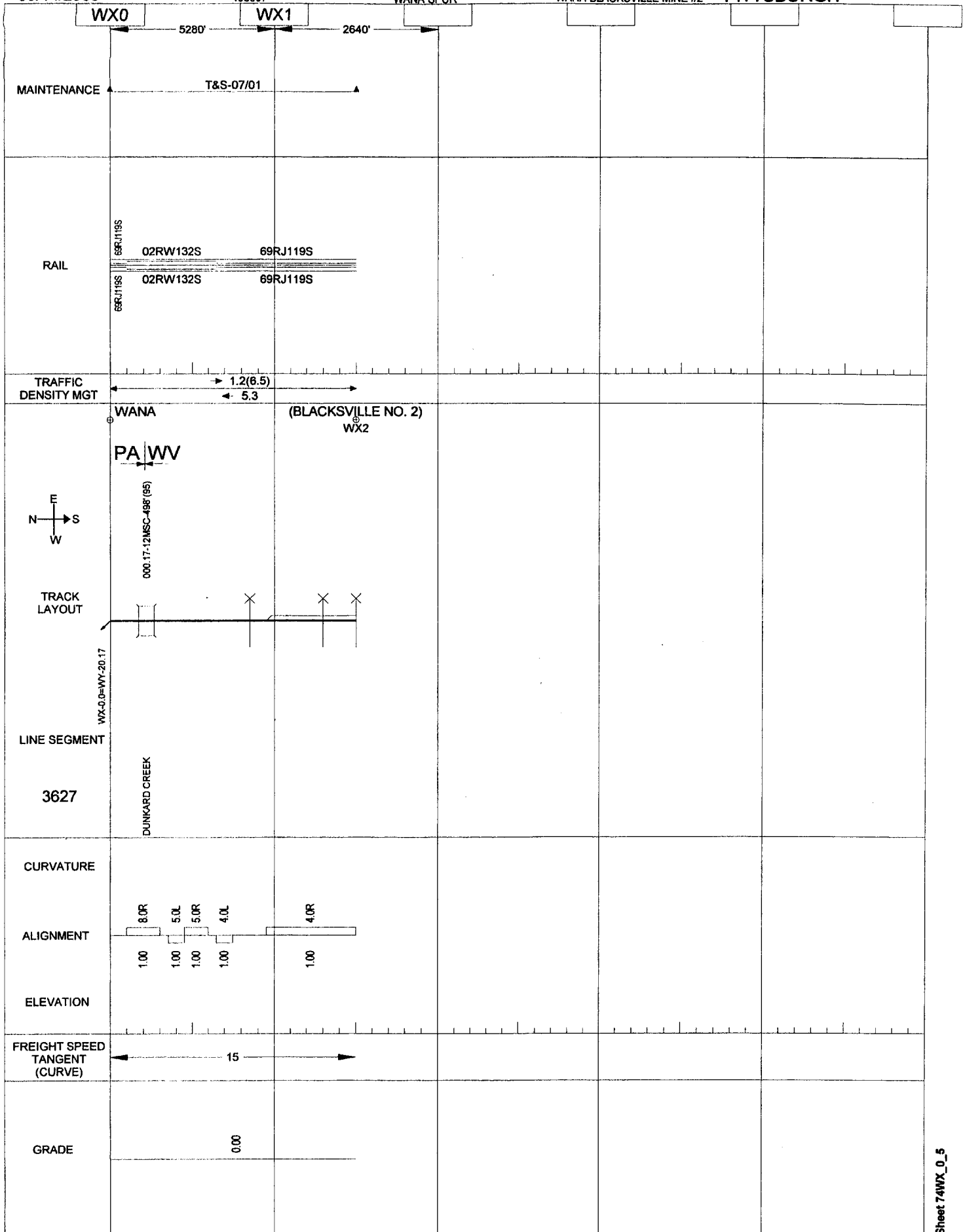
408007

293

WANA SPUR

WANA-BLACKSVILLE MINE #2

PITTSBURGH



06/14/2006

402258

294  
O TRACK

MON LINE-LOVERIDGE

PITTSBURGH

OC58

3540'

MAINTENANCE

RAIL

96NW136S

96NW136S

TRAFFIC  
DENSITY MGT

8.9(14.8)  
5.9

7030

CP 58  
ML58

CP BROWN



TO YARD  
OC-58 19/ML-57.72  
058.17-5MSC-788'(80)  
N. LEG WYE TO CSXT

TRACK  
LAYOUT

OC-58 00=ML-58.16

OC-58 60=LR-0.19

LINE SEGMENT

3570

WILLIAM ST

MONONGAHELA RIVER

PRIVATE

CURVATURE

ALIGNMENT

9.0R

6.0R

ELEVATION

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.30

0.00

06/14/2006

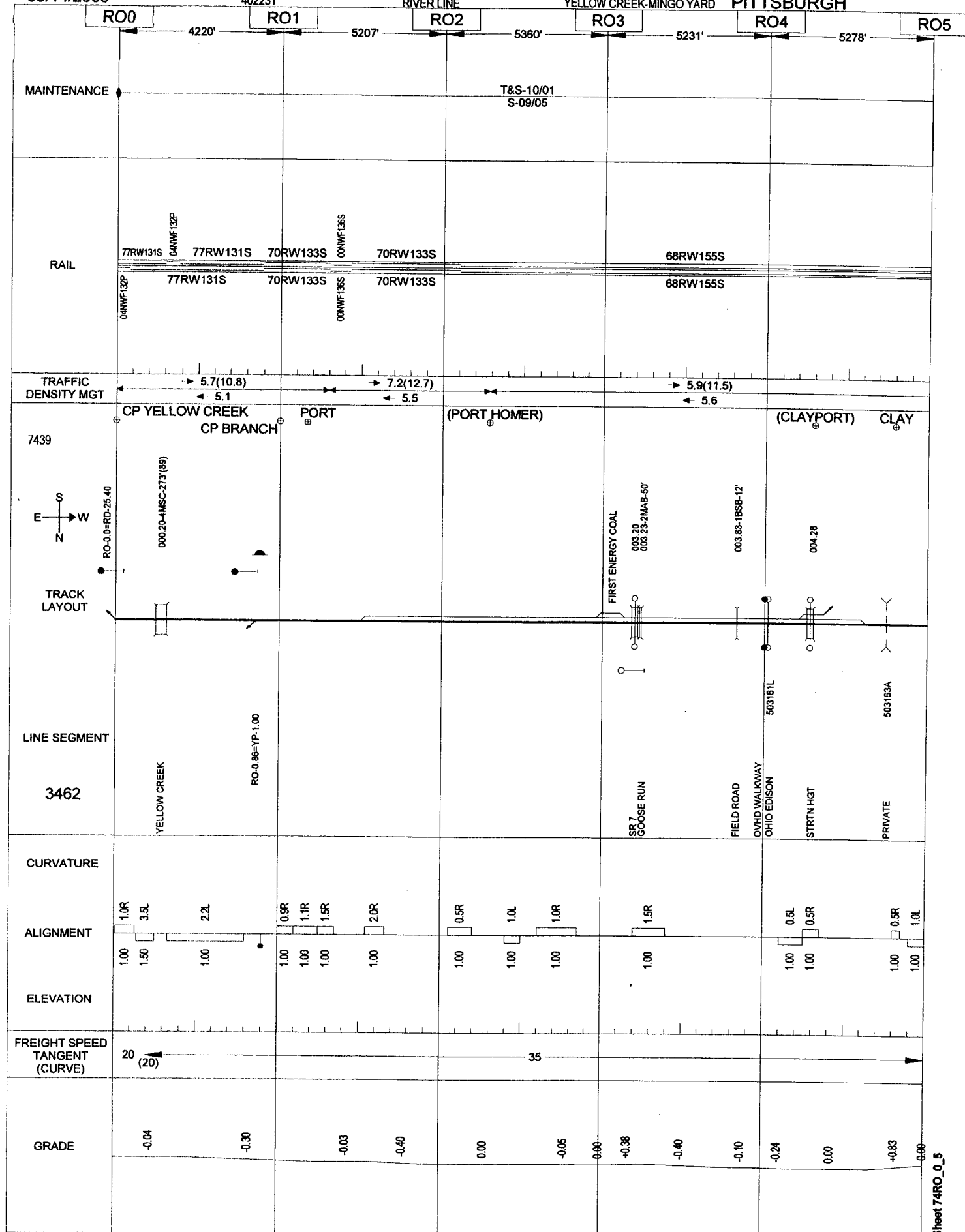
402231

295

RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH



06/14/2006

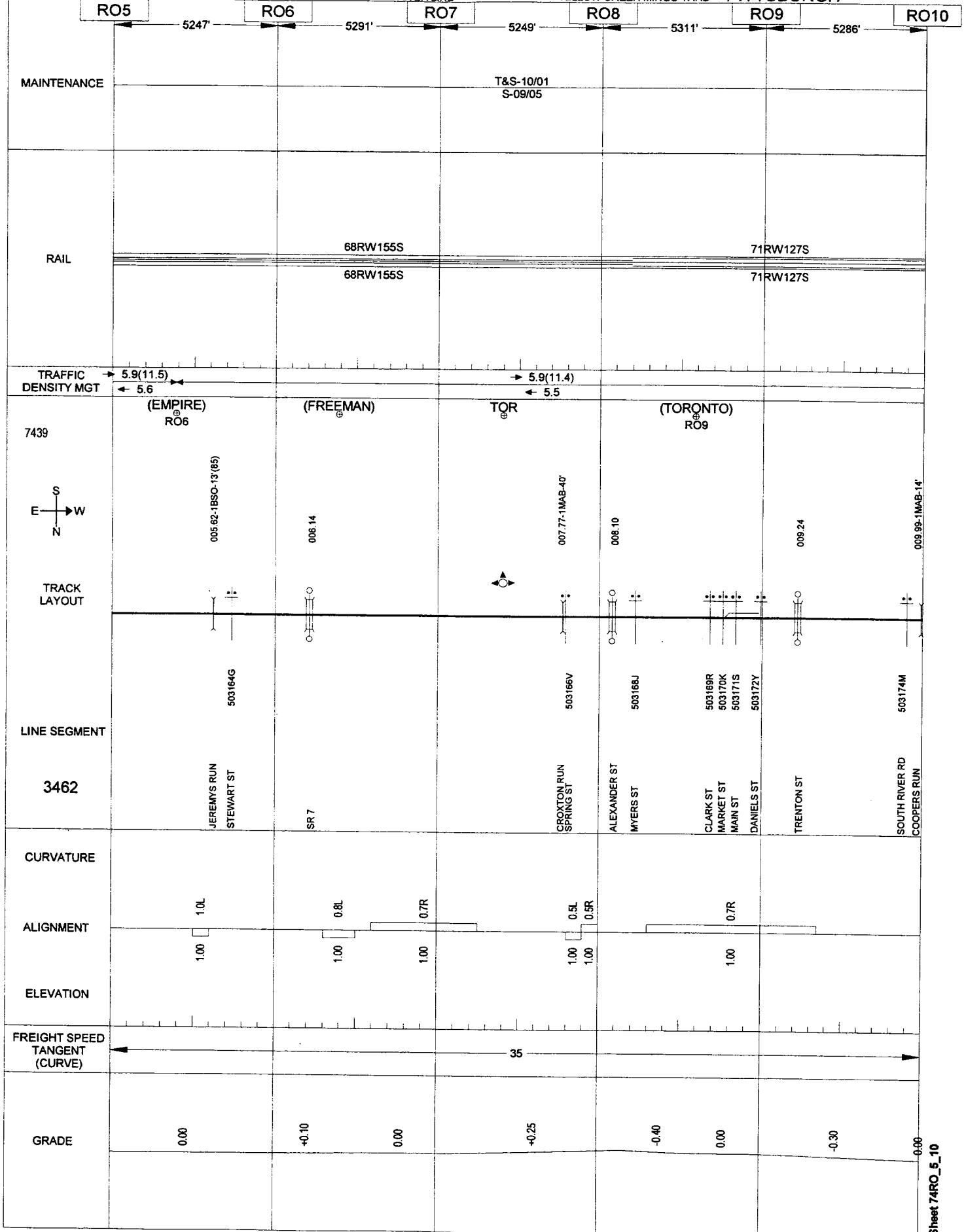
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296

RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH



06/14/2006

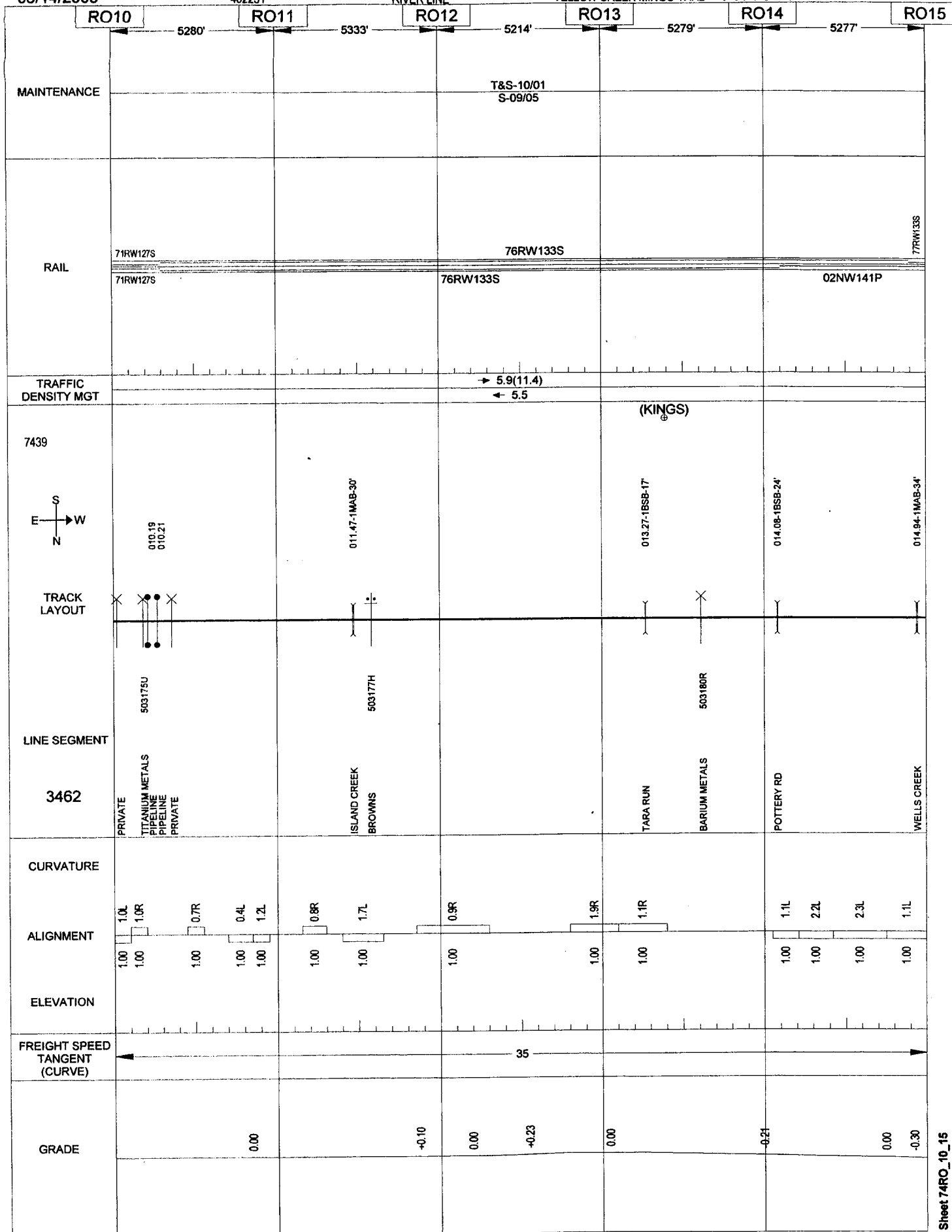
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297

RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH



06/14/2006

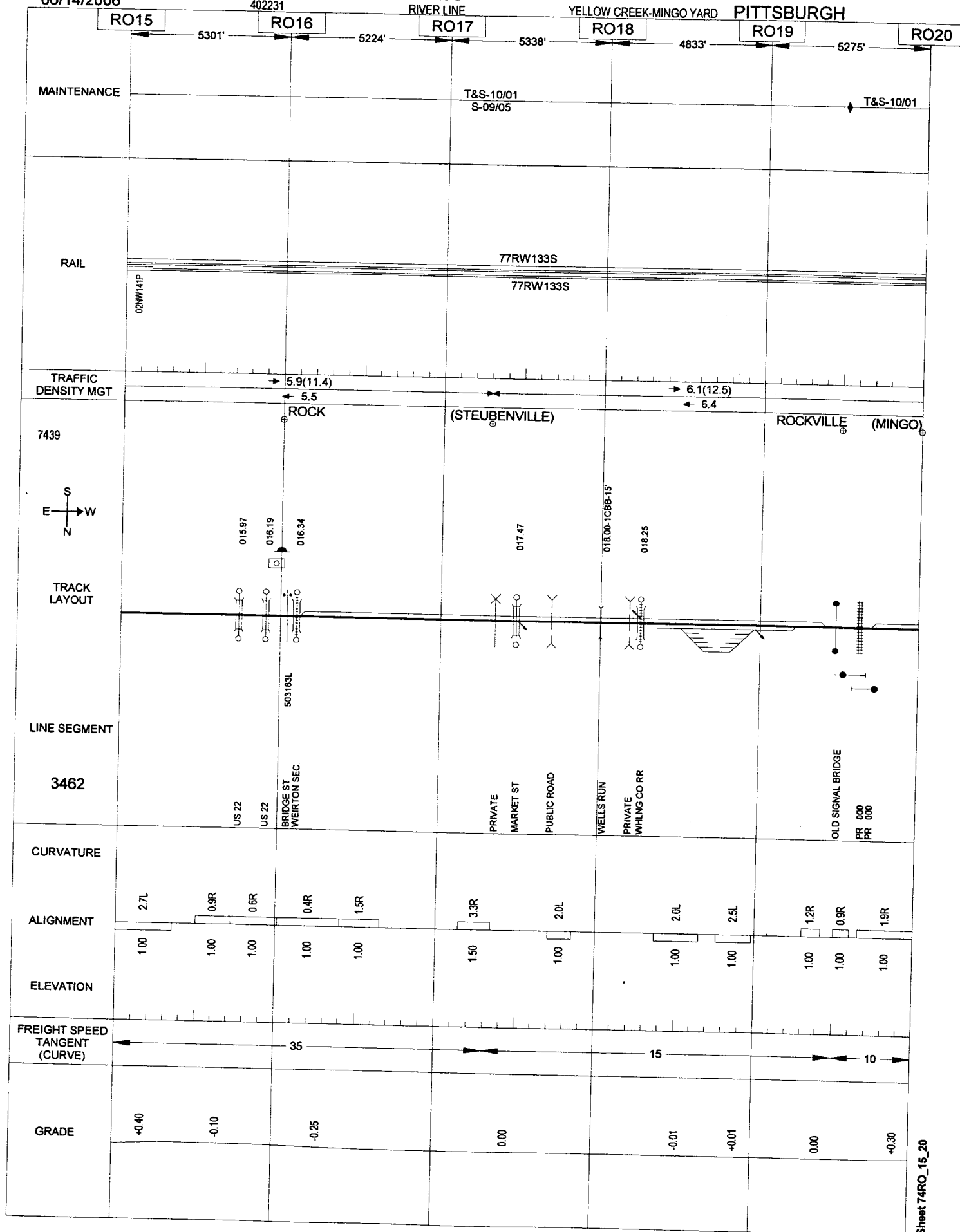
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298

RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH





06/14/2006

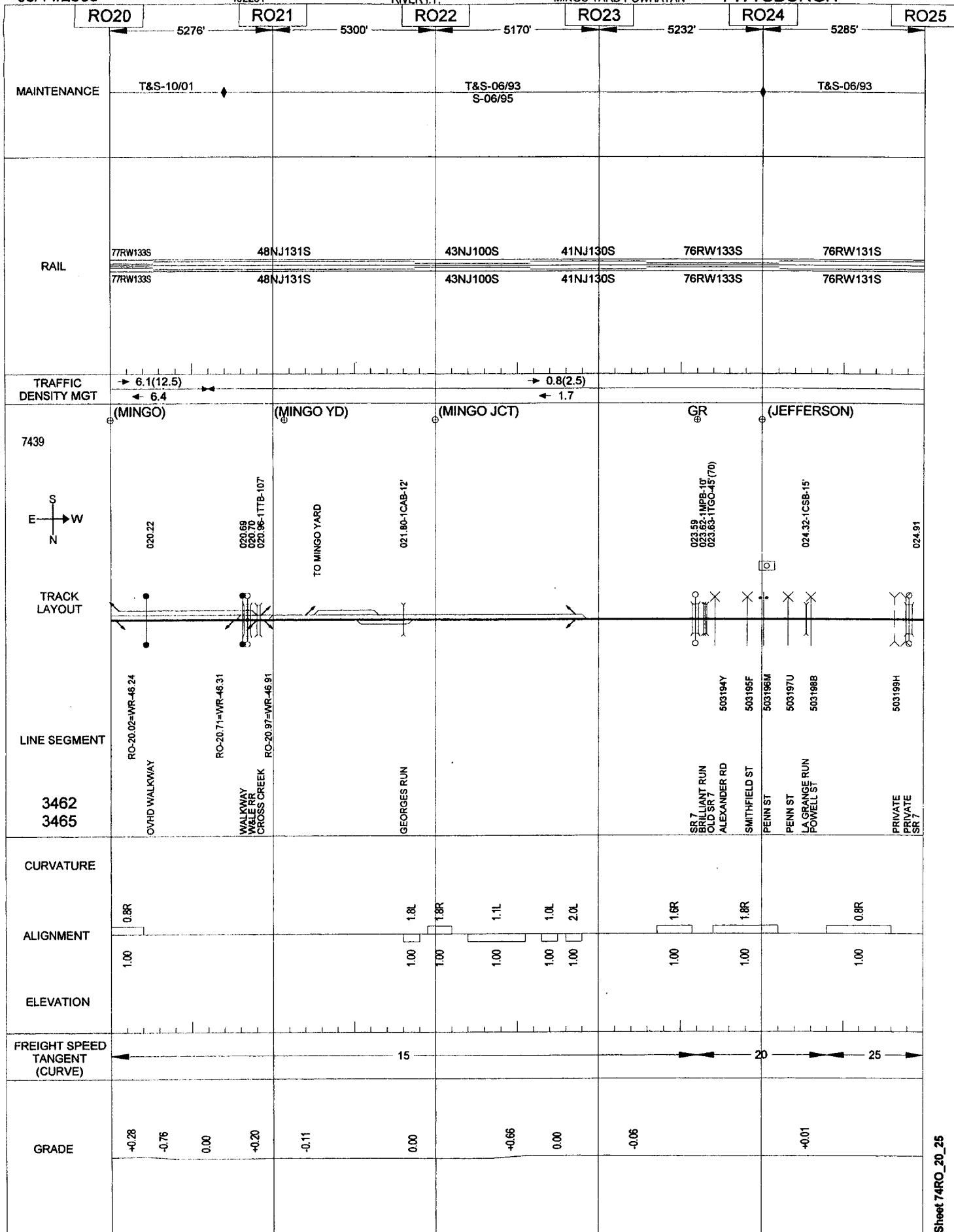
402231

299

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



06/14/2006

402231

300

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH

RO25

RO26

RO27

RO28

RO29

RO30

5287'

5269'

5279'

5285'

5327'

MAINTENANCE

T&S-06/93

RAIL

76RW131S

76RW152S

54UJ152S

76RW131S

76RW152S

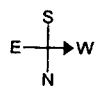
54UJ152S

TRAFFIC  
DENSITY MGT

→ 0.8(2.5)  
← 1.7

→ 0.5(2.1)  
← 1.6

7439



025 22-1MAB-12'

025 62

025 84-1BSO-18'(94)

026 10

026 56-1TGO-55'(62)

RU

028 54-4BSO-124'(67)

028 70

028 85-1BSB-28'

(SHANNON)  
RO29

TO W&LE RR

029 39-1BSO-16'(75)

029 90-1BSO-17'(75)

TRACK  
LAYOUT

LINE SEGMENT

3465

BLOCK HOUSE RUN

FERROS ALLOY

CARDINAL PLT RD

CARDINAL PLANT

RIDDLES RUN

CONVEYOR

SALT RUN

RUSH RUN

SR 7

LITTLE RUSH RIVER

SHANNON RUN

PRVT ROAD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

+0.01

Sheet 74RO\_25\_30



06/14/2006

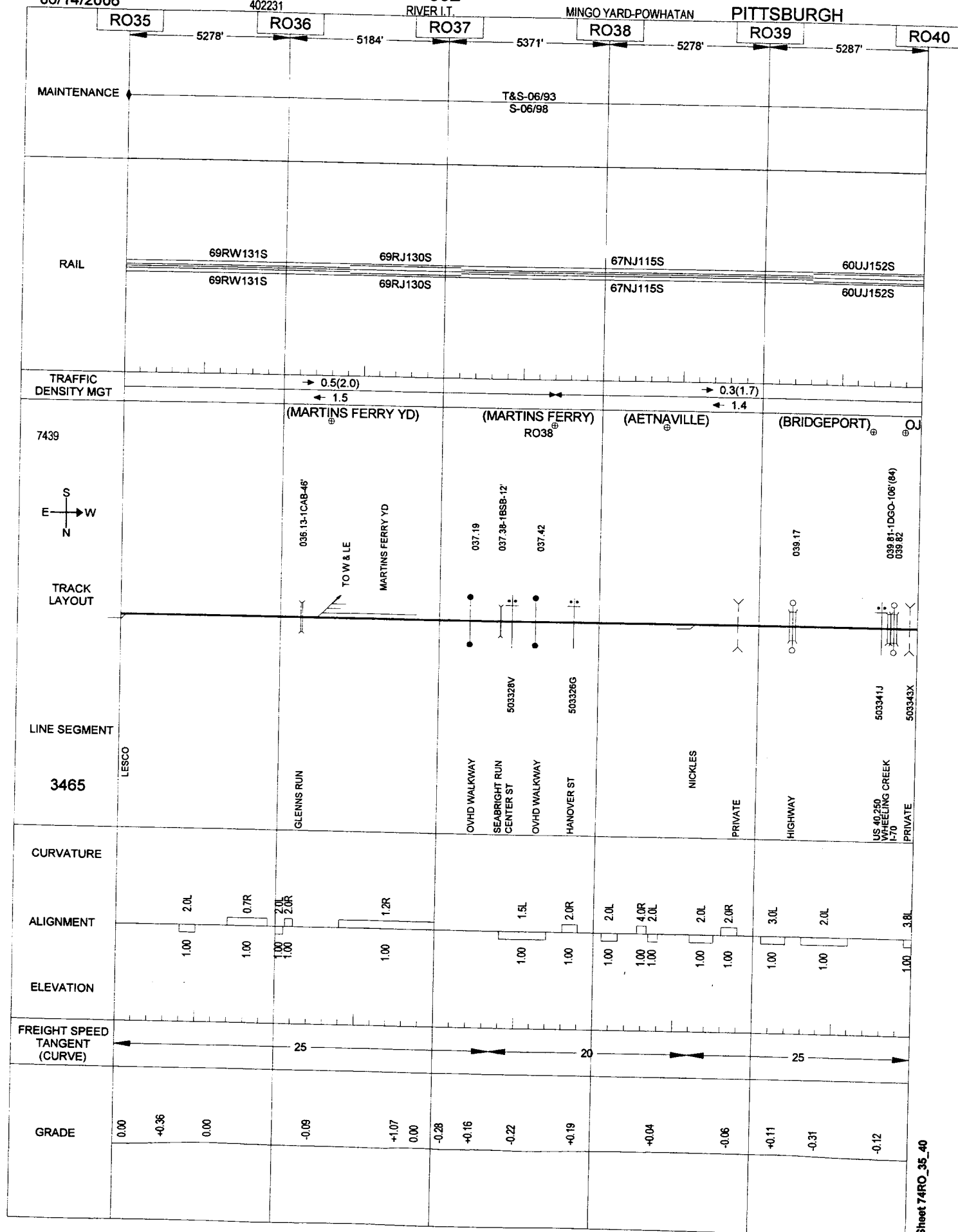
402231

302

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



06/14/2006

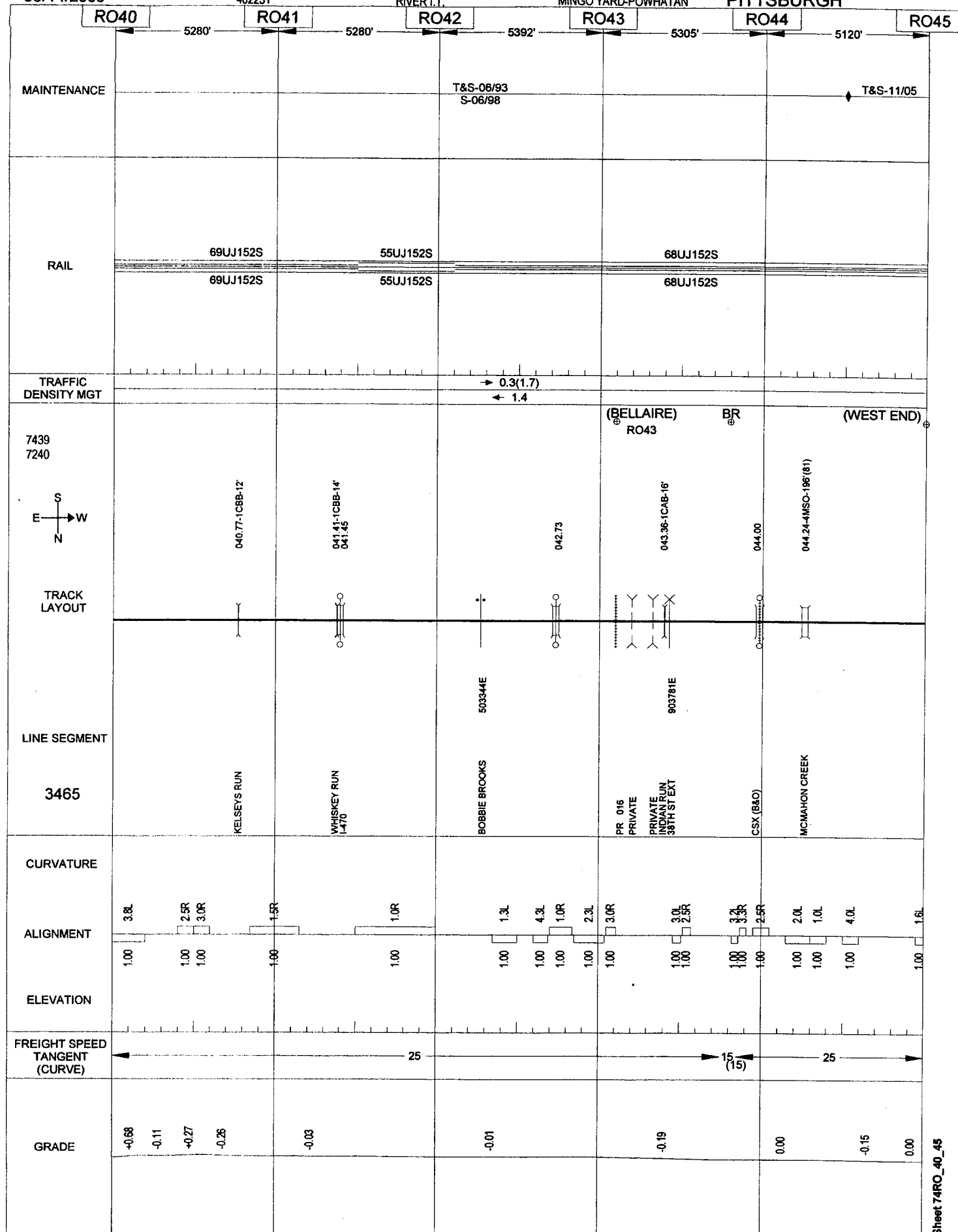
402231

303

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



06/14/2006

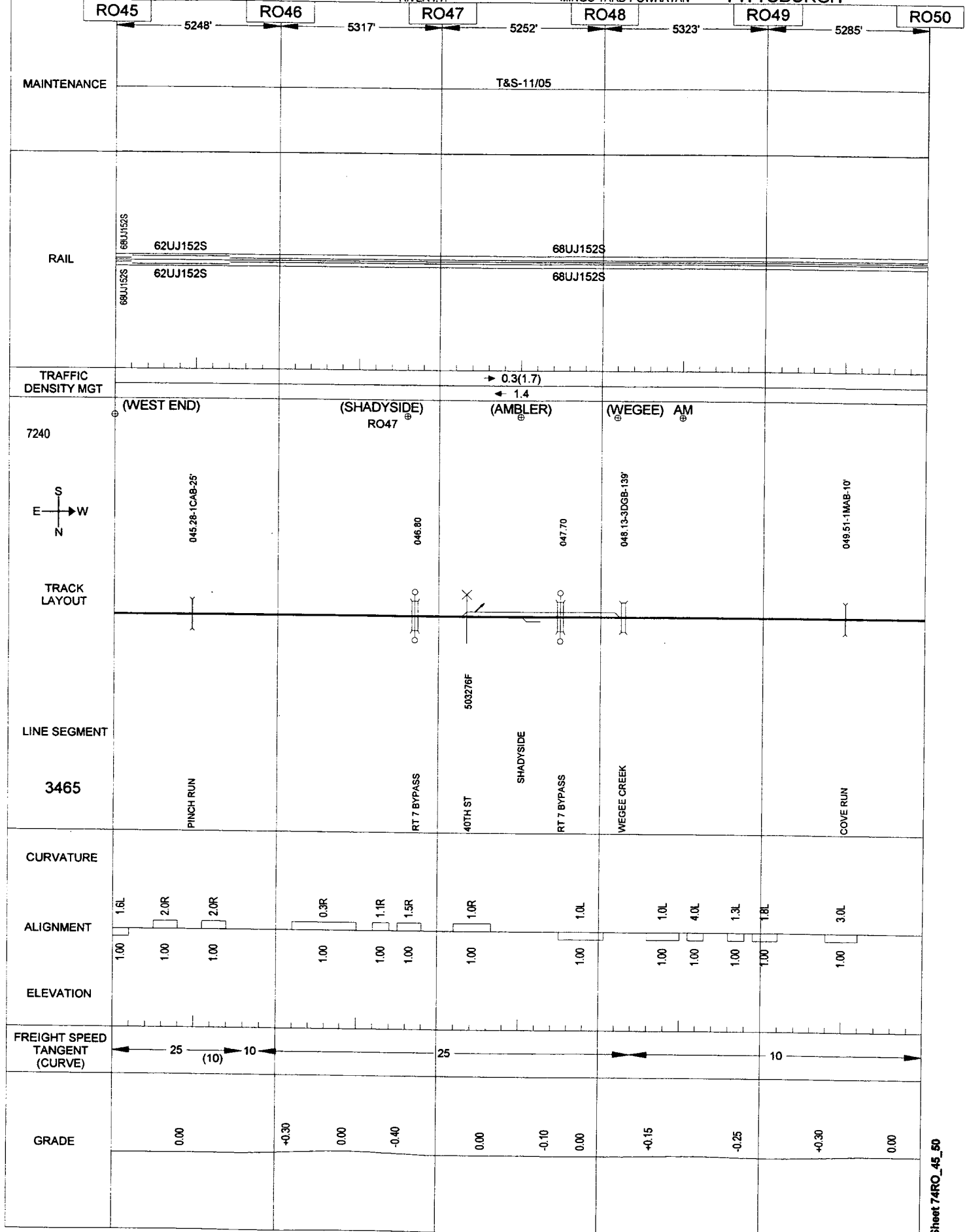
402231

304

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



06/14/2006

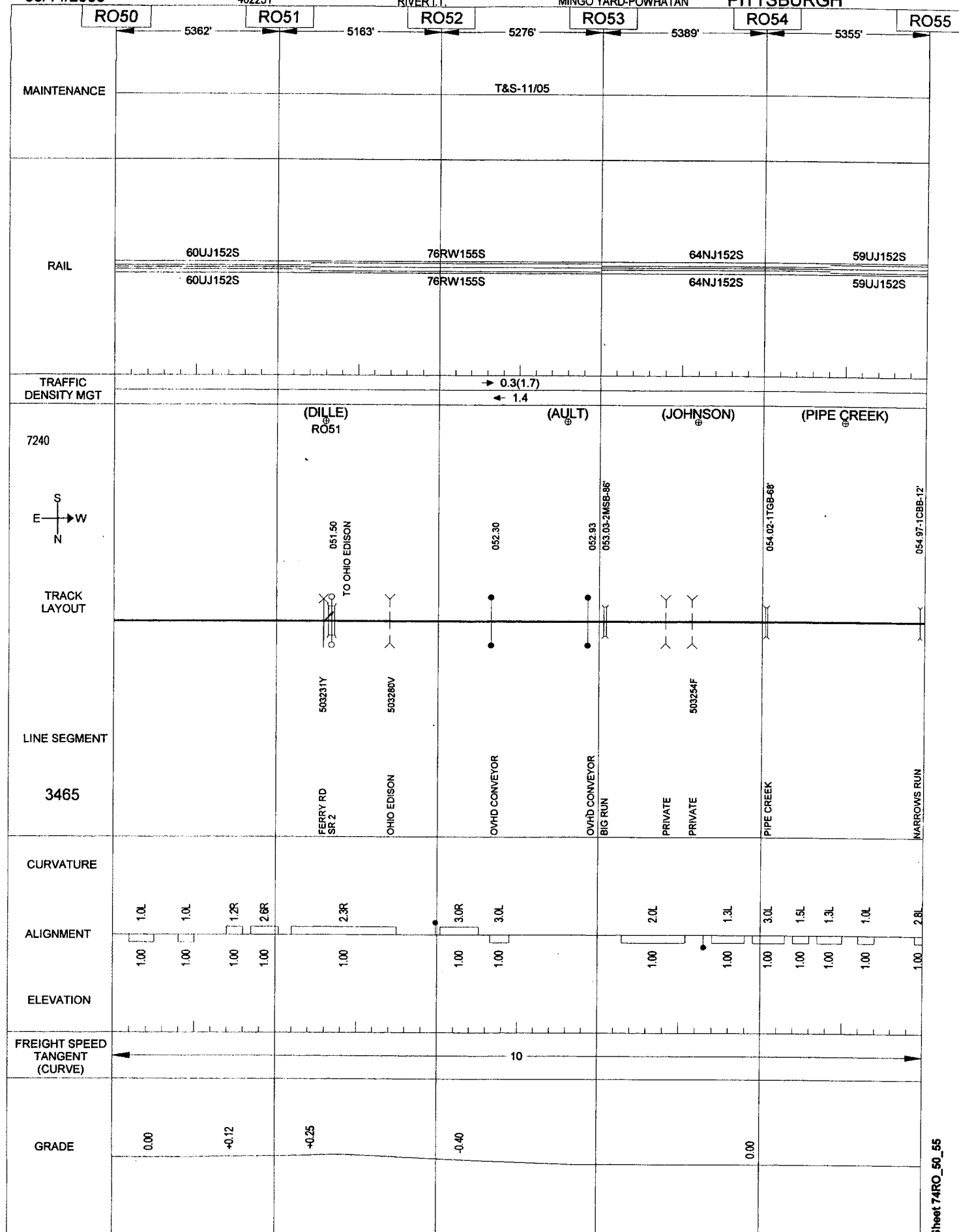
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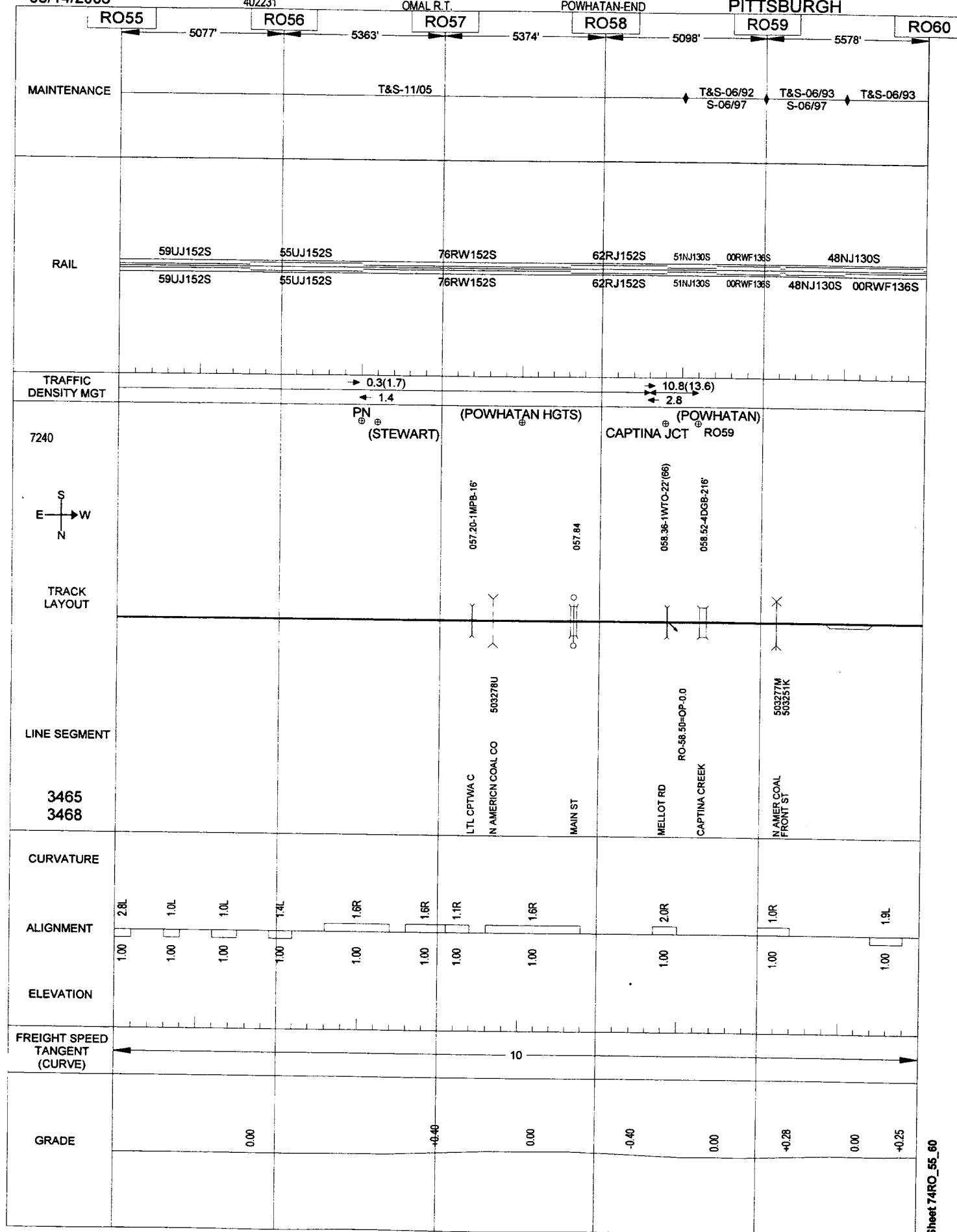
305

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH







06/14/2006

402231

307

OMAL R.T.

POWHATAN-END

PITTSBURGH

RO60

4780'

MAINTENANCE

RAIL

48NJ100S

00RWF136S

TRAFFIC  
DENSITY MGTEND TRACK  
①

7240

TRACK  
LAYOUT

060.38-1CBB-16"

TO ORMET CORP

LINE SEGMENT

3468

LITTLE RUN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

+0.25

0.00

06/14/2006

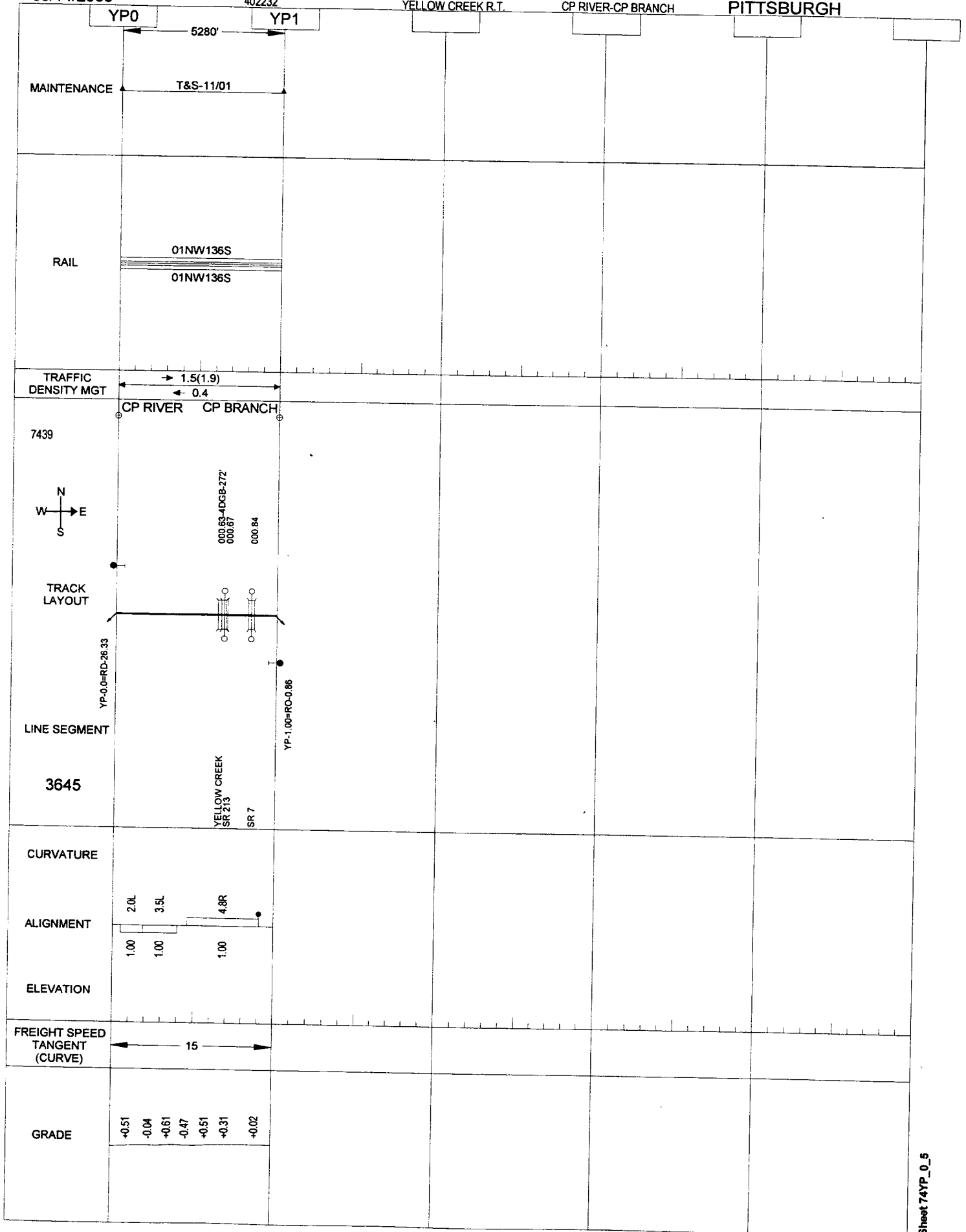
402232

308

YELLOW CREEK R.T.

CP RIVER-CP BRANCH

PITTSBURGH



06/14/2006

402206

309  
WEIRTON I.T.

STEEL-MING

PITTSBURGH

WR40

5280'

T&amp;S-06/79

MAINTENANCE

RAIL

50UJ140S  
50UJ140S

64UJ140S

64UJ140S

TRAFFIC  
DENSITY MGT0.0(0.0)  
0.0STEEL  
WR39

7125

S  
E → W  
NTRACK  
LAYOUT

LINE SEGMENT

3387

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

10

GRADE

0.00

6.1L  
1.00

06/14/2006

310

WEIRTON SEC.

STEEL-MING

PITTSBURGH

WR40

402206

WR41

WR42

WR43

WR44

WR45

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-06/91  
S-06/93

T&S-06/91  
S-06/94

T&S-06/93

RAIL

50NJ140S

50NJ140S

78NW132S

78NW132S

TRAFFIC  
DENSITY MGT

1.8(4.8)  
3.0

1.8(5.0)  
3.2

(COIL)

WEIR

WVOH

(STEBENVILLE)

7215  
7130



TRACK  
LAYOUT

LINE SEGMENT

WR-40.10-NW-0.0

3387

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

RAMP G  
RAMP F

040.97  
041.02  
041.70  
041.82  
WR-41.80-DL-0.0

042.11-8MSB-2081'

042.40-1TGB-33'

043.16-1TGB-65'

043.84-1CAB-52'

043.88-1WAB-15'

044.06-1TGB-82'

044.10-1TGB-104'

OHIO RIVER, R.O. LINE

510558N

510561W

510562D

510563K

510565Y

510566F

510567M

510568U

NORTH ST

WASHINGTON ST

MARKET ST

ADAMS ST

SOUTH ST

SLACK ST

4TH ST

WELLS RUN

SR 7 SB

ST ROUTE 7 NB

6.1L

1.8R

1.7R

3.8L

6.4R

3.3L

4.1L

4.2R

2.7L

3.3L

2.8L

3.2R

1.1L

1.00

1.00

1.00

1.00

3.00

1.00

1.50

1.50

1.00

1.00

1.00

1.00

1.00

10

25

-0.30

-0.73

+0.04

-0.45

+0.63

-0.36

-0.63

-0.39

-0.31

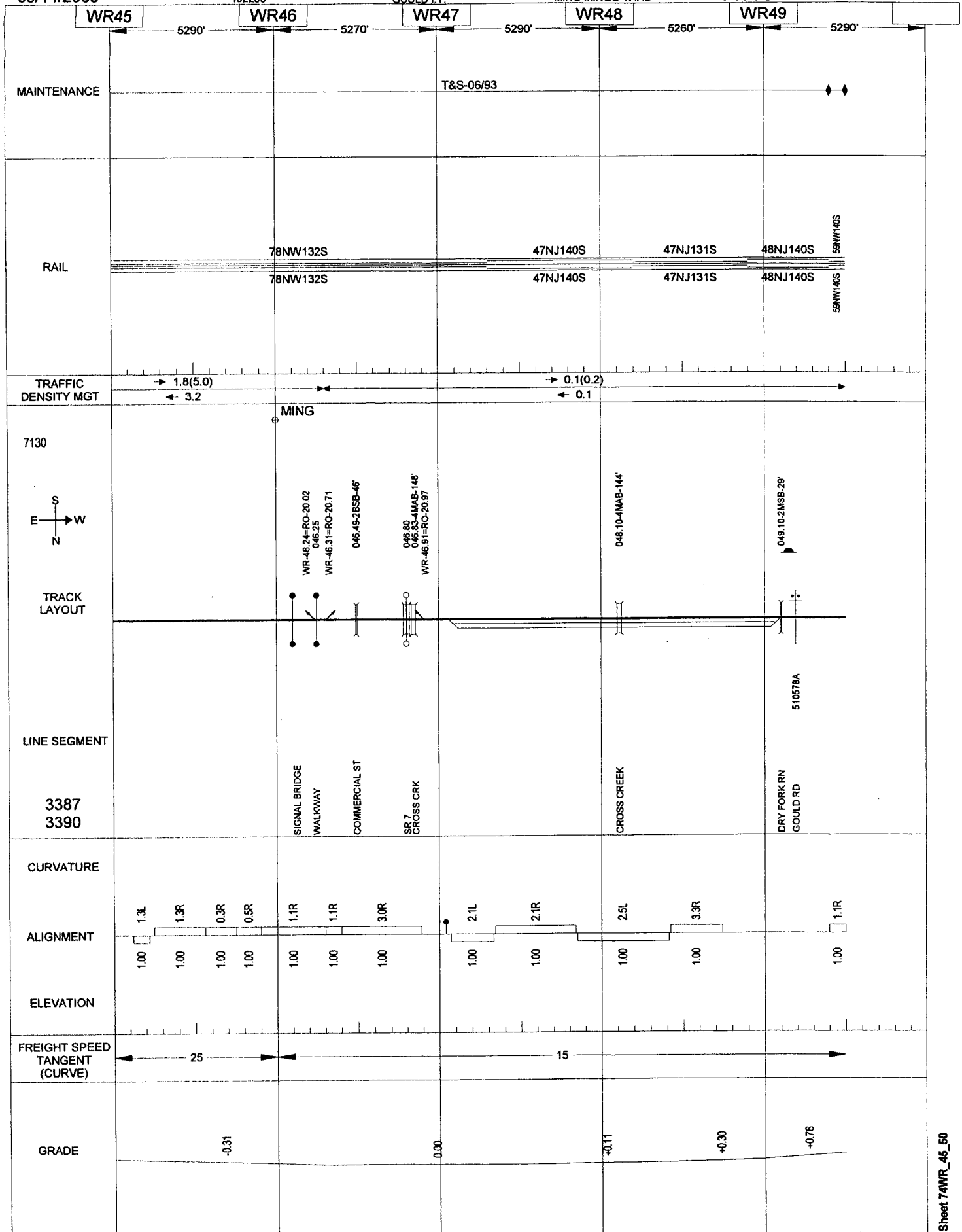
06/14/2006

402206

311  
GOULD I.T.

MING-MINGO YARD

PITTSBURGH



06/14/2006

402234

312

NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH

NW3

5278'

NW4

5280'

NW5

MAINTENANCE

T&amp;S-07/01

RAIL

24NJ130S  
24NJ130S

27NJ130S

27NJ100S

28NJ100S

27NJ130S

27NJ100S

28NJ100S

TRAFFIC  
DENSITY MGT

→ 0.1(0.3)

← 0.2

W  
S → N  
E(KINGS CREEK)  
(E. TORONTO)

004.04-1CAB-40'

004.56-1CAB-10'

TRACK  
LAYOUT

LINE SEGMENT

3568

KINGS CREEK

KINGS CREEK

CURVATURE

ALIGNMENT

ELEVATION

2.0R

2.0R

2.0R

1.7R

3.0L

2.0R

2.0L

1.0L

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED  
TANGENT  
(CURVE)

6

GRADE

-0.22

-0.61

-0.27

-0.30

0.00

-0.19

-0.17

Sheet 74NW\_0\_5

06/14/2006

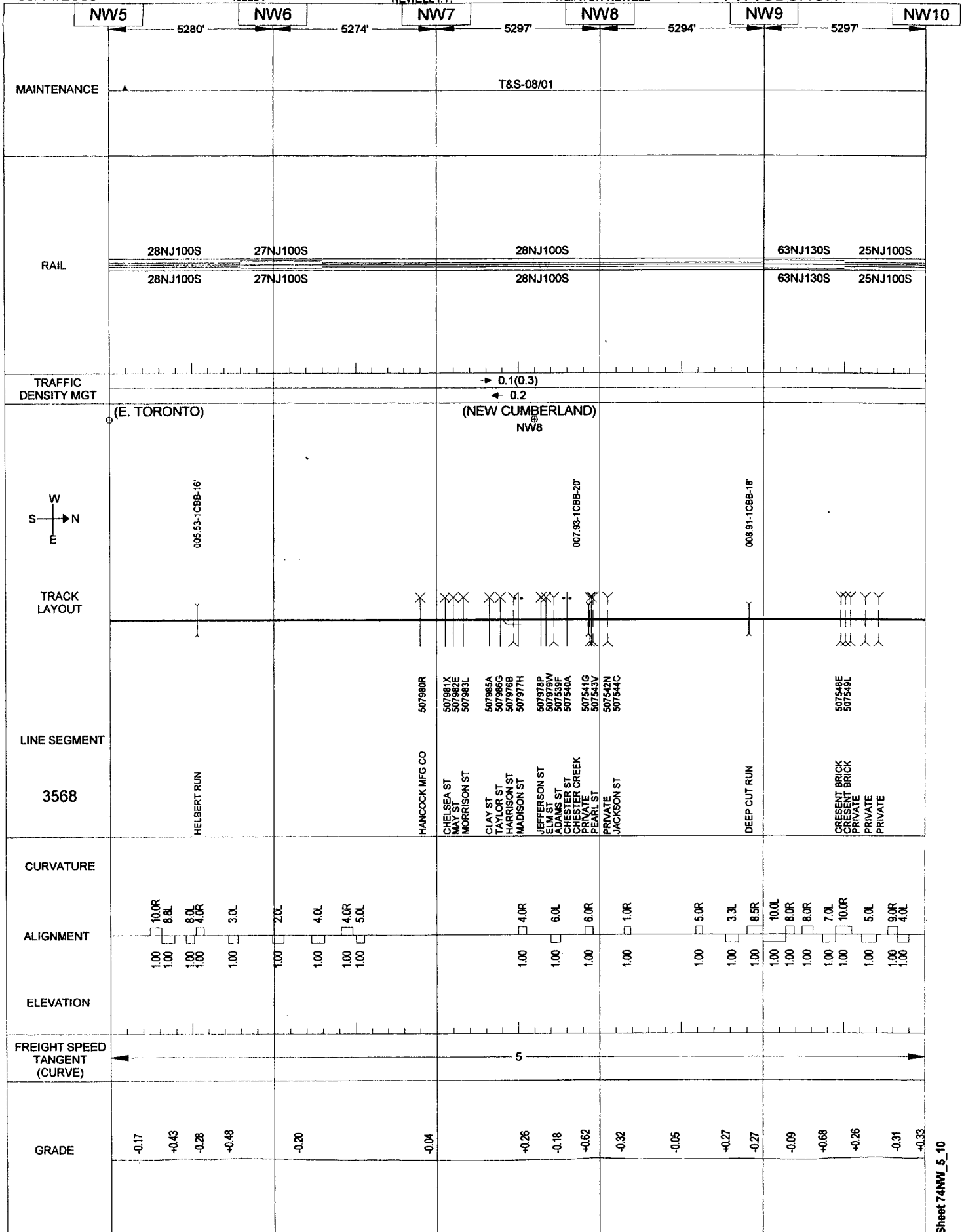
402234

313

NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH



06/14/2006

402234

314

NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH

NW10

NW11

NW12

NW13

NW14

NW15

5279'

5260'

5273'

5282'

5276'

MAINTENANCE

T&S-08/01

RAIL

28NJ100S

29NJ100S

28NJ100S

29NJ100S

28NJ100S

29NJ100S

28NJ100S

29NJ100S

TRAFFIC  
DENSITY MGT

→ 0.1(0.3)  
← 0.2

7126

(GLOBE)

(MOSCOW) (COWL)

(BROWNSDALE)

(ARROYO)  
NW14



011.44-3DGO-138'(87)

012.60  
013.63-1DGO-40'(81)

014.81-1CAB-10'

TRACK  
LAYOUT

LINE SEGMENT

3568

TOMLINSON RUN

CONVEYOR  
DRY RUN CREEK

DRY RUN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

5

GRADE

+0.33  
-0.30

-0.06

-0.06

+0.52

+0.07

-0.07

0.00

-0.26

+0.03



06/14/2006

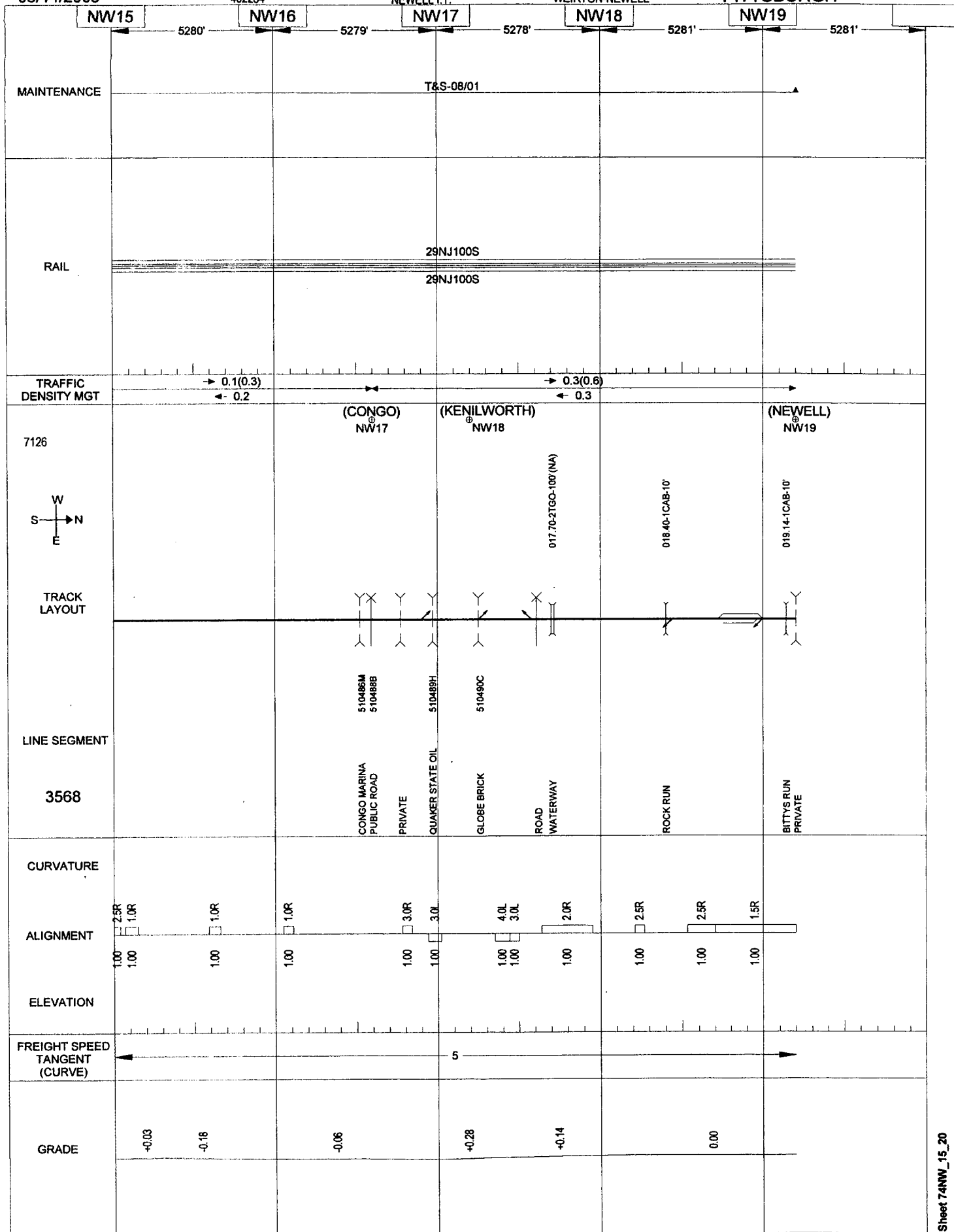
402234

315

NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH



06/14/2006

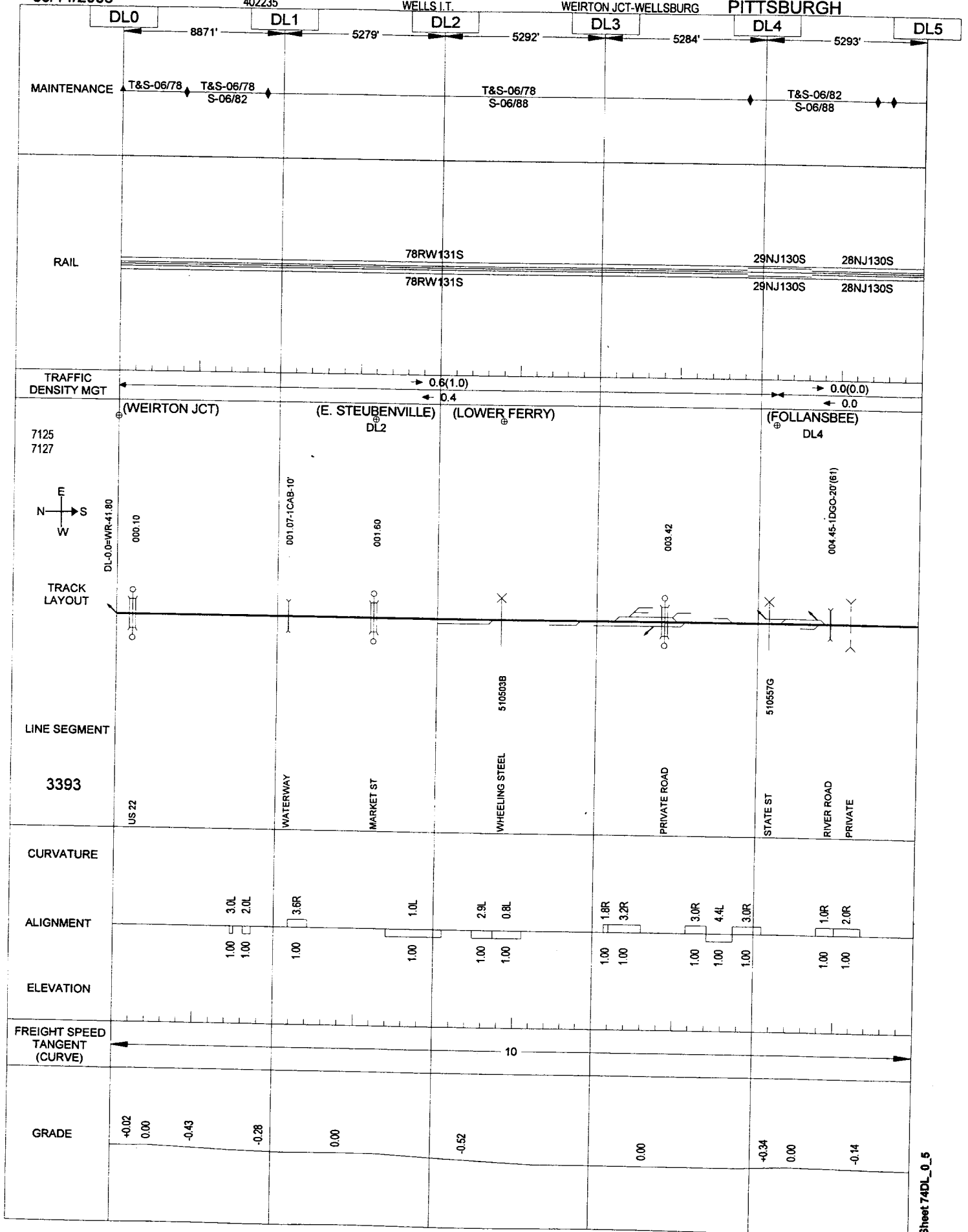
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316

WELLS I.T.

WEIRTON JCT-WELLSBURG

PITTSBURGH



06/14/2006

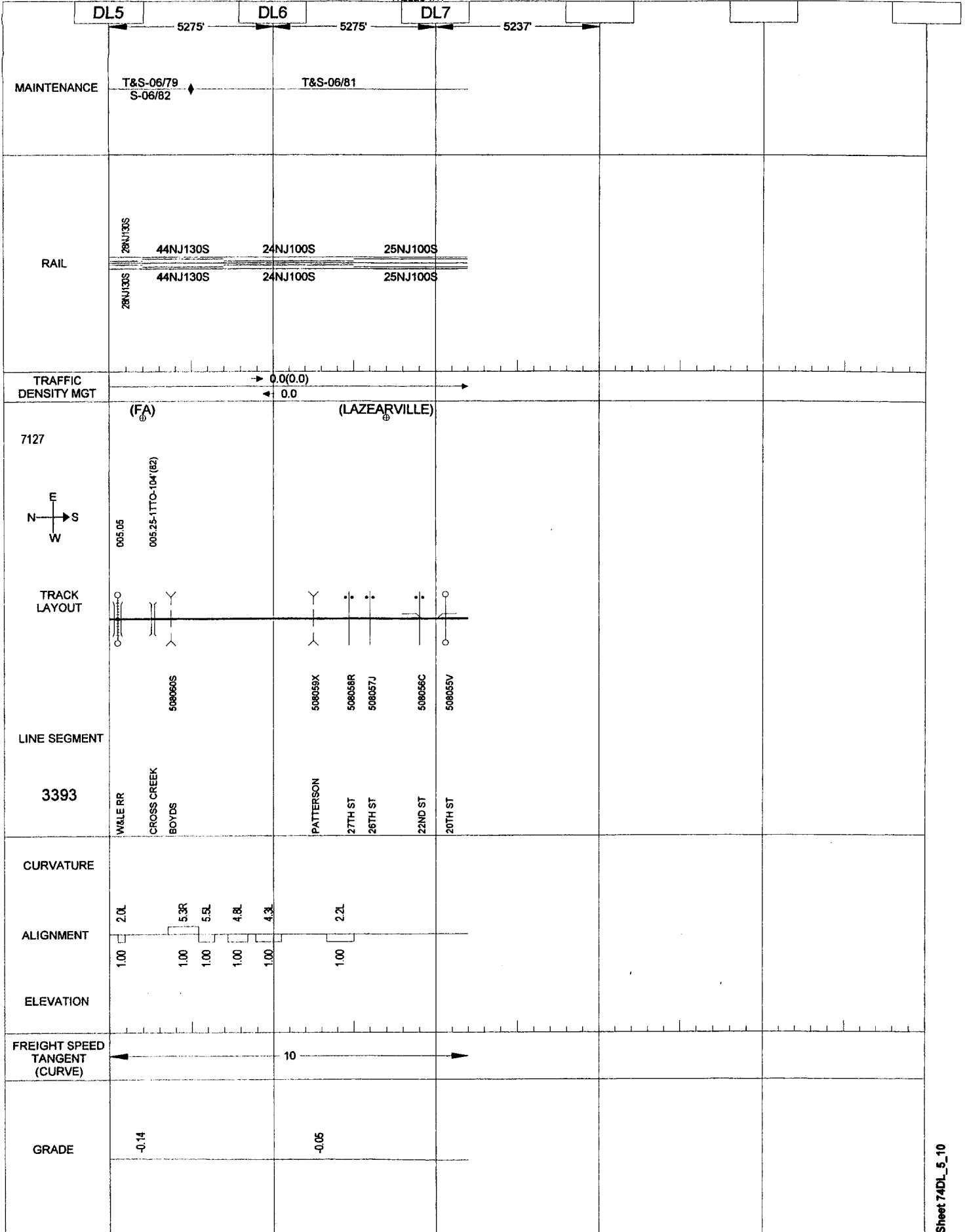
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317

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WEIRTON JCT-WELLSBURG

PITTSBURGH



06/14/2006

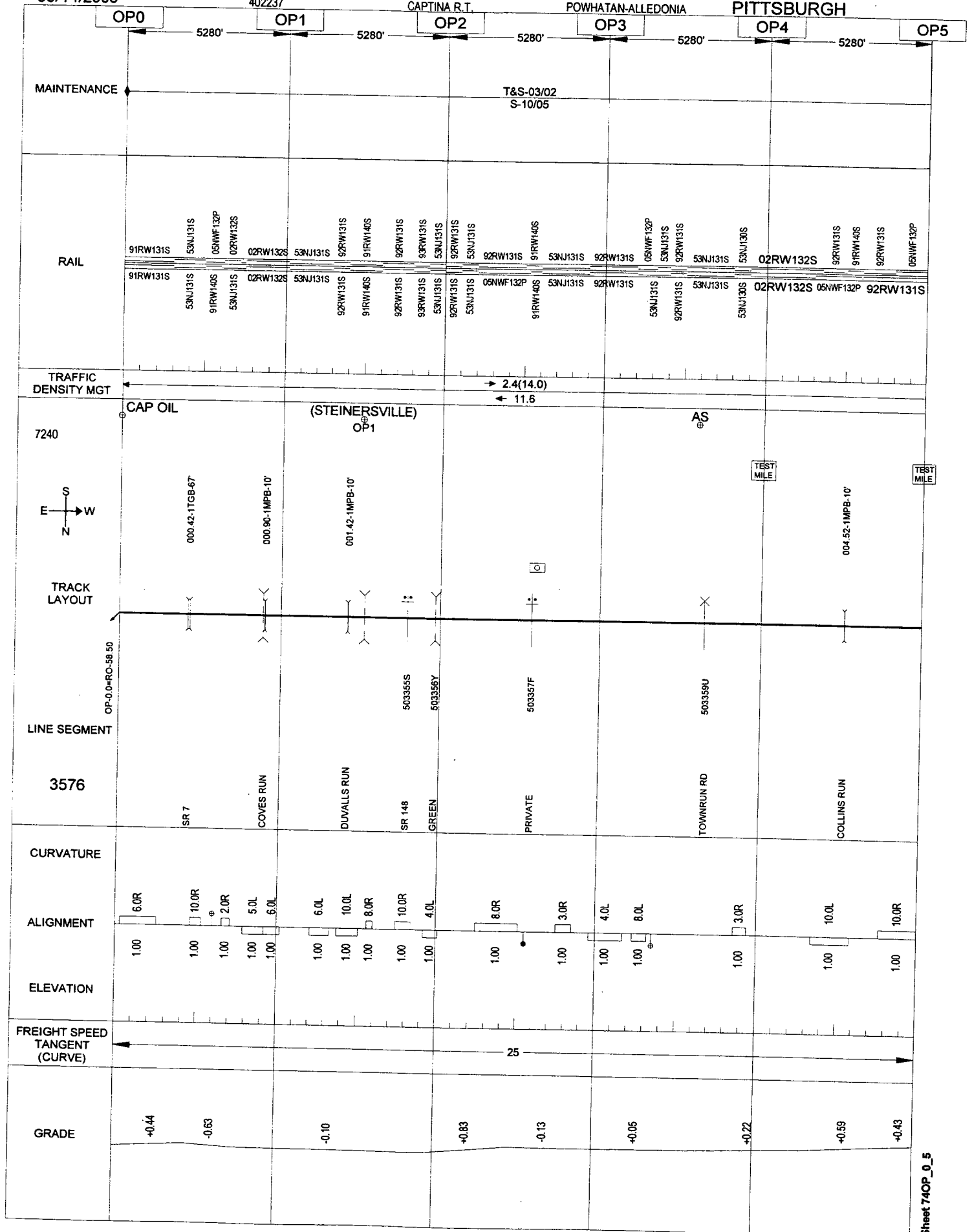
402237

318

CAPTINA R.T.

POWHATAN-ALLEDONIA

PITTSBURGH



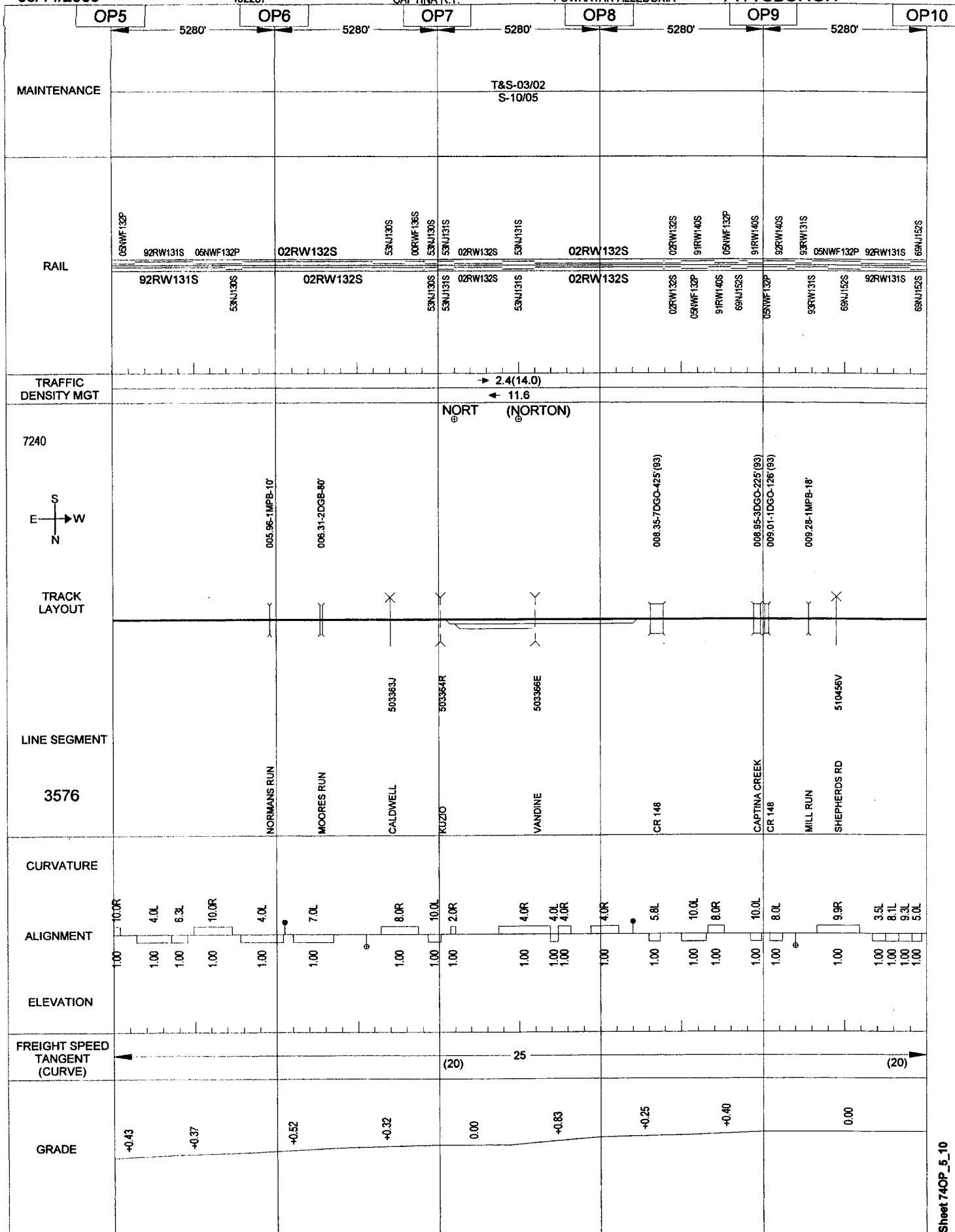
06/14/2006

402237

319  
CAPTINA R.T.

POWHATAN-ALLEDONIA

PITTSBURGH



06/14/2006

402237

320

CAPTINA R.T.

POWHATAN-ALLEDONIA

PITTSBURGH

OP10

OP11

OP12

OP13

OP14

OP15

5366'

5194'

5280'

5280'

5340'

MAINTENANCE

T&S-03/02  
S-10/05

RAIL

69NJ152S 02RW132S 69NJ152S 02RW132S 02RW132S 02RW132S 69NJ152S 92RW131S 93RW131S 69NJ152S 02RW132S 69NJ152S 02RW132S 02RW132S 69NJ152S 92RW131S 93RW131S 69NJ152S 02RW132S 69NJ152S 02RW132S 02RW132S

TRAFFIC  
DENSITY MGT

→ 2.4(14.0)

← 11.6

7240

(ARMSTRONG MILLS)

(ALLEDONIA)

GL



TRACK  
LAYOUT

010.21-1DGO-40'(93)

010.98-2TGB-124'

013.18-1TGB-65'

014.75

LINE SEGMENT

3576

CAPTINA CREEK

SR 148

LINDSEY-FURBEE  
CAPTINA CREEK

PRIVATE

PERKINS

PRIVATE  
ATCHISON CREEK

REED

CR 148

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

25

GRADE

-0.50

0.00

-0.60

+0.89

-0.05

+0.12

+0.20

0.00

06/14/2006

402237

321  
CAPTINA R.T.

POWHATAN-ALLEDONIA

PITTSBURGH

OP15

5220'

MAINTENANCE

T&S-03/02  
S-10/05

RAIL

02RW132S

02RW132S

TRAFFIC  
DENSITY MGT

→ 2.4(14.0)  
← 11.6

7240

MILL

015 44-3 DGO-150' (NA)

S  
E — W  
N

TRACK  
LAYOUT



510475A

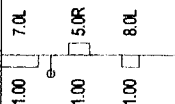
LINE SEGMENT

3576

REED  
CAPTINA CREEK

CURVATURE

ALIGNMENT



ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

← 25 →

GRADE

-0.29  
0.00

06/14/2006

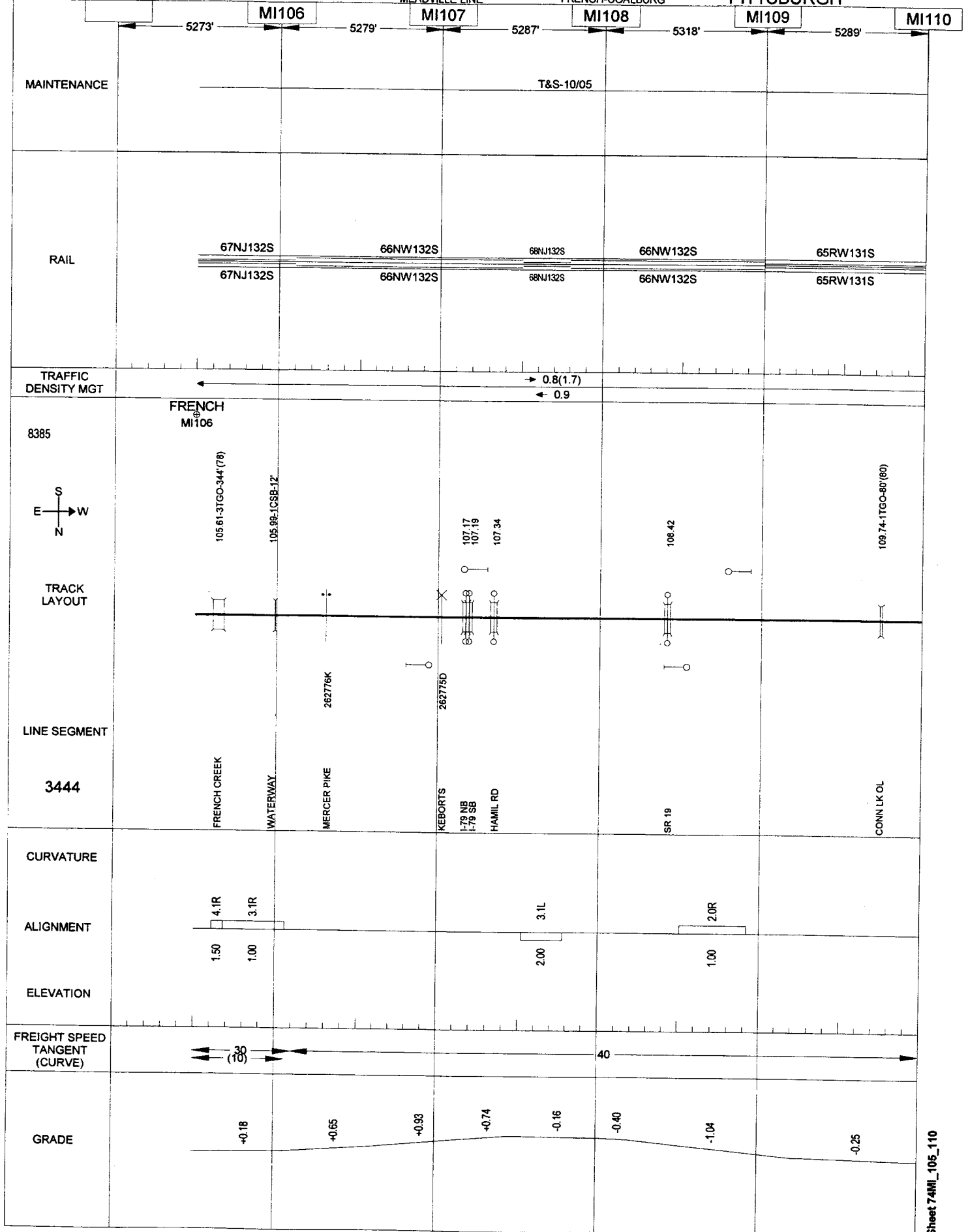
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322

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH





06/14/2006

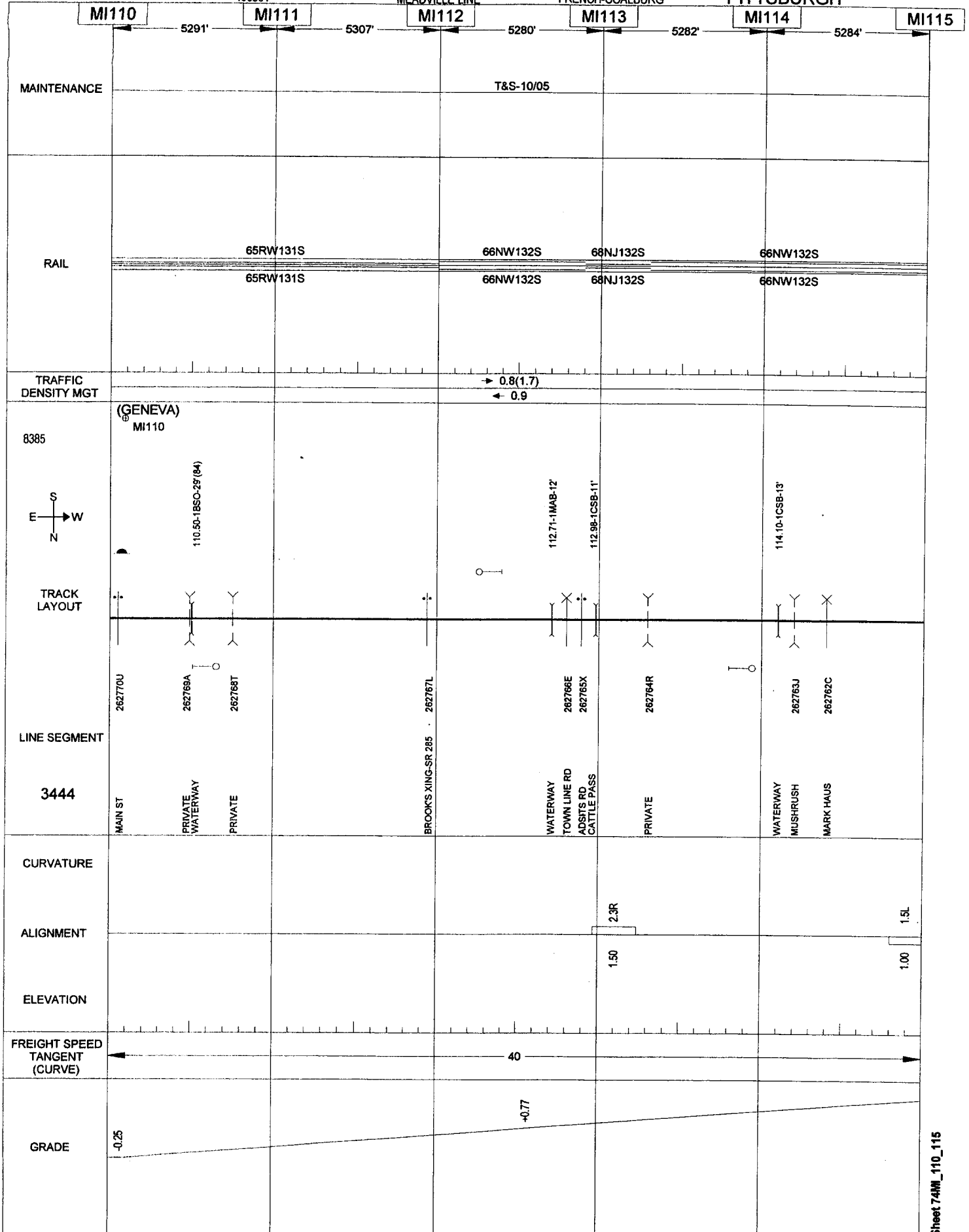
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323

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



06/14/2006

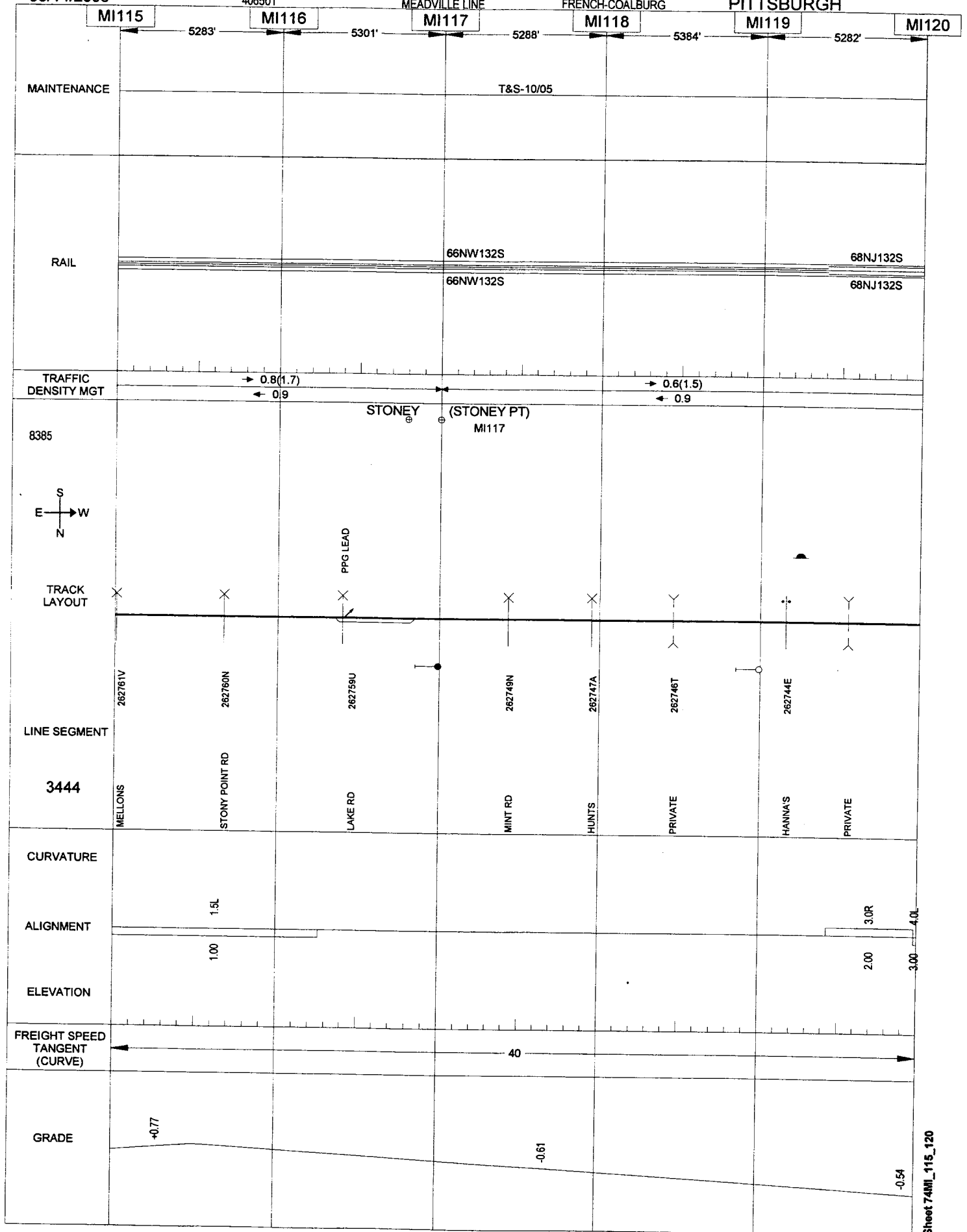
324

406501

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



06/14/2006

406501

325  
MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH

MI120

MI121

MI122

MI123

MI124

MI125

5285'

5357'

5149'

5351'

5283'

MAINTENANCE

T&S-10/05

RAIL

68NJ132S

66NW132S

68NJ132S

66NW132S

68NJ132S

66NW132S

68NJ132S

66NW132S

TRAFFIC  
DENSITY MGT

→ 0.6(1.5)  
← 0.9

(ATLANTIC)  
MI121

(KENNARD)

8385

S  
E → W  
N

121.11-1MAB-10'

123.52-1CSB-30'

TRACK  
LAYOUT

LINE SEGMENT

3444

262743X

262742R

262741J

262740C

262739H

262738B

262737U

262736M

BELL'S

MAIN ST

WATERWAY

BENNETT RD

COUNTY LINE RD

DEADMAN RD

SUGAR GROVE RD

WATERWAY

MAIN ST

RUBY RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

4.0L

3.00

1.0L

1.00

3.1R

1.00

40

25

-0.54

-0.30

06/14/2006

406501

326

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH

MI125

MI126

MI127

MI128

MI129

MI130

5450'

5124'

5275'

5347'

5985'

MAINTENANCE

T&S-10/05

RAIL

66NW132S

67NJ132S

68NJ132S

65NU131S

66NW132S

66NW132S

67NJ132S

68NJ132S

65NU131S

66NW132S

TRAFFIC  
DENSITY MGT

→ 0.6(1.5)

← 0.9

8385

(AMASA)

(GREENVILLE)  
GREEN

S  
E → W  
N

125.79-ITGO-94'(83)

125.98

128.46-1CAB-22'

129.05-ITGO-84'(84)

TRACK  
LAYOUT

262734Y

262733S

TRINITY

TRINITY

LINE SEGMENT

3444

LSHEN CREEK  
WARNER RD  
BLUE RR

WILLIAMSON'S

COLUMBIA AVE

MAIN ST-SR 358

LOW ST

CLINTON ST

MERCER ST

CURVATURE

ALIGNMENT

1.2R

1.7L

3.6L

4.1R

5.0L

3.5R

3.9R

3.6R

5.6R

3.0L

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)

25

20

GRADE

-0.30

06/14/2006

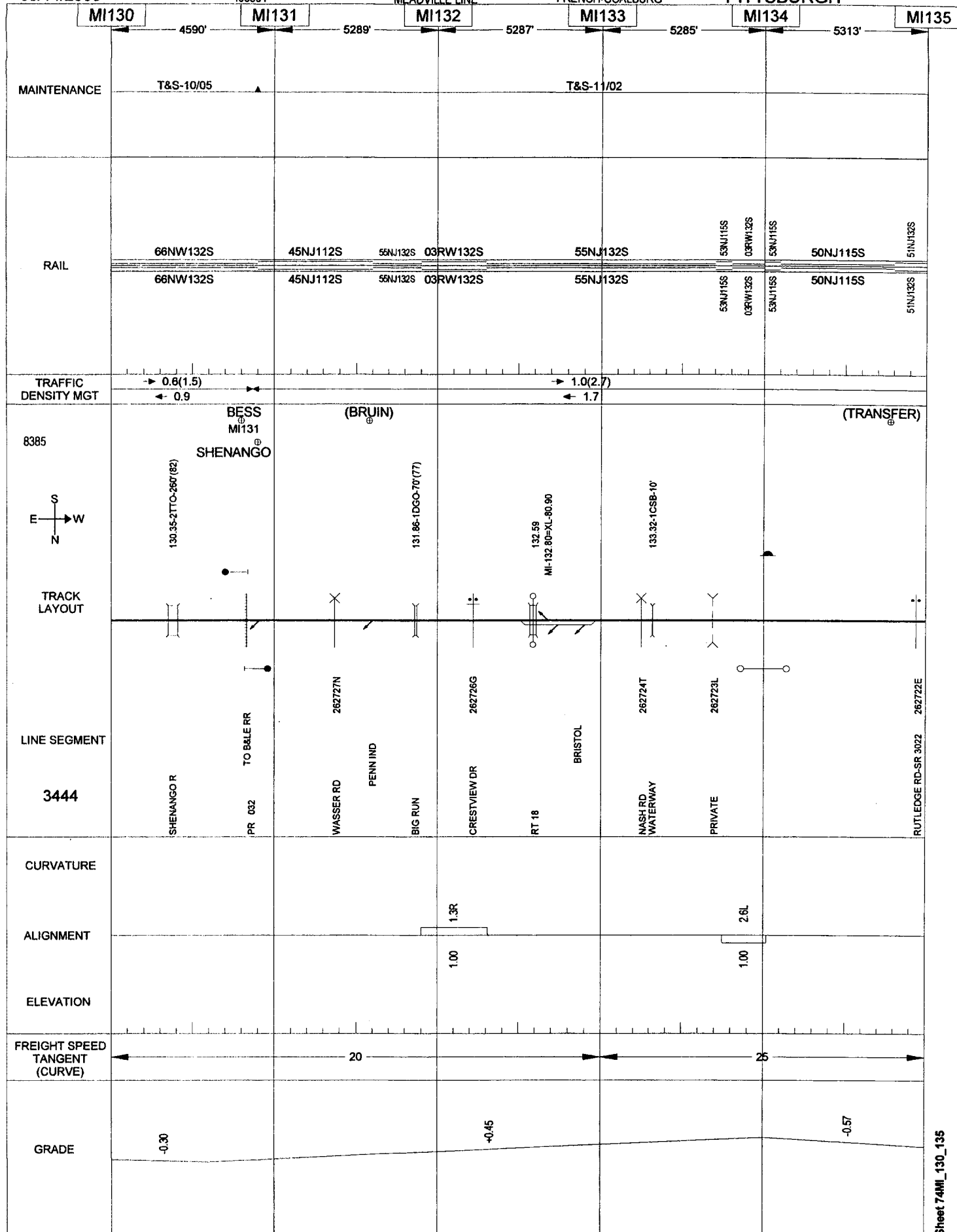
406501

327

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



06/14/2006

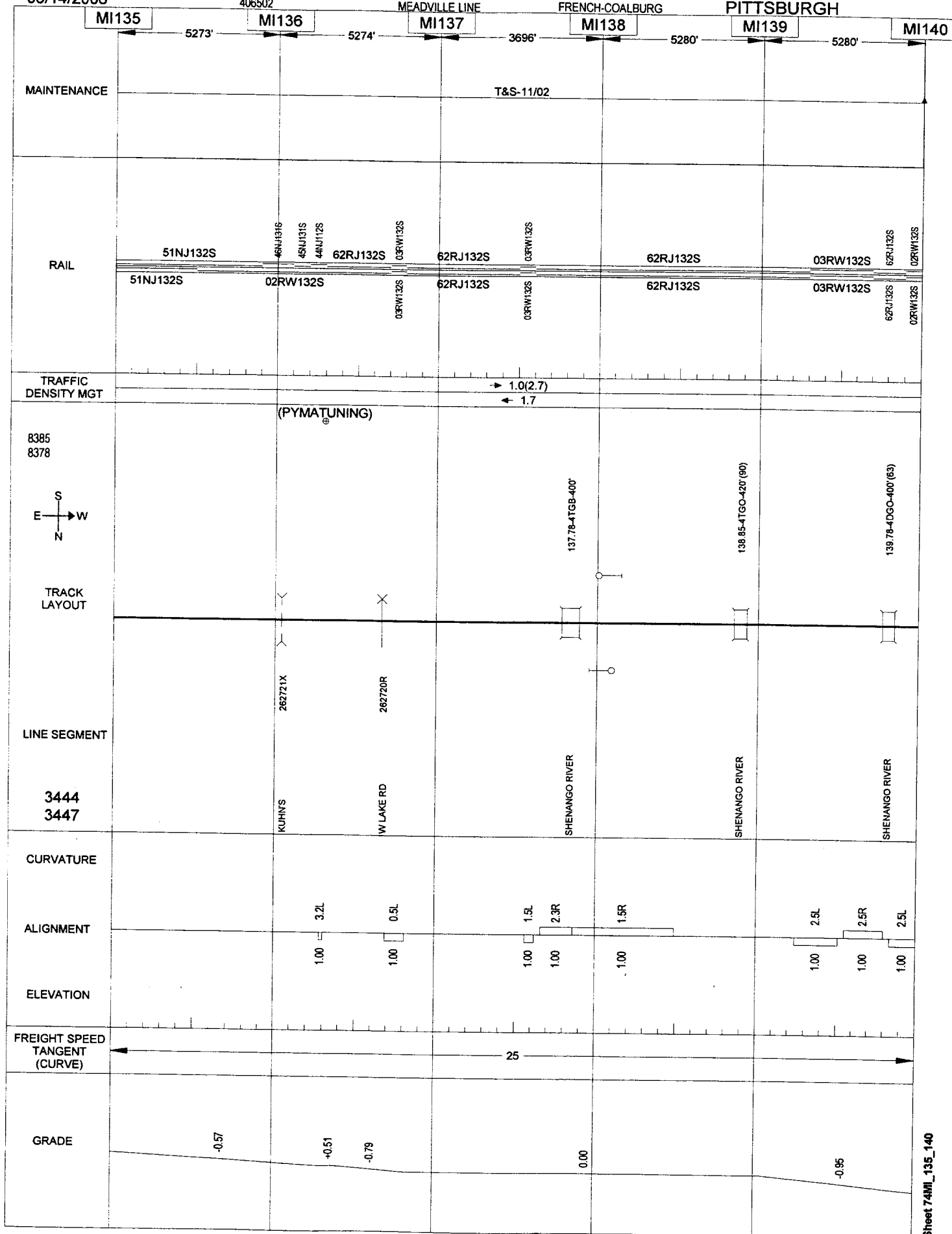
406502

328

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



06/14/2006

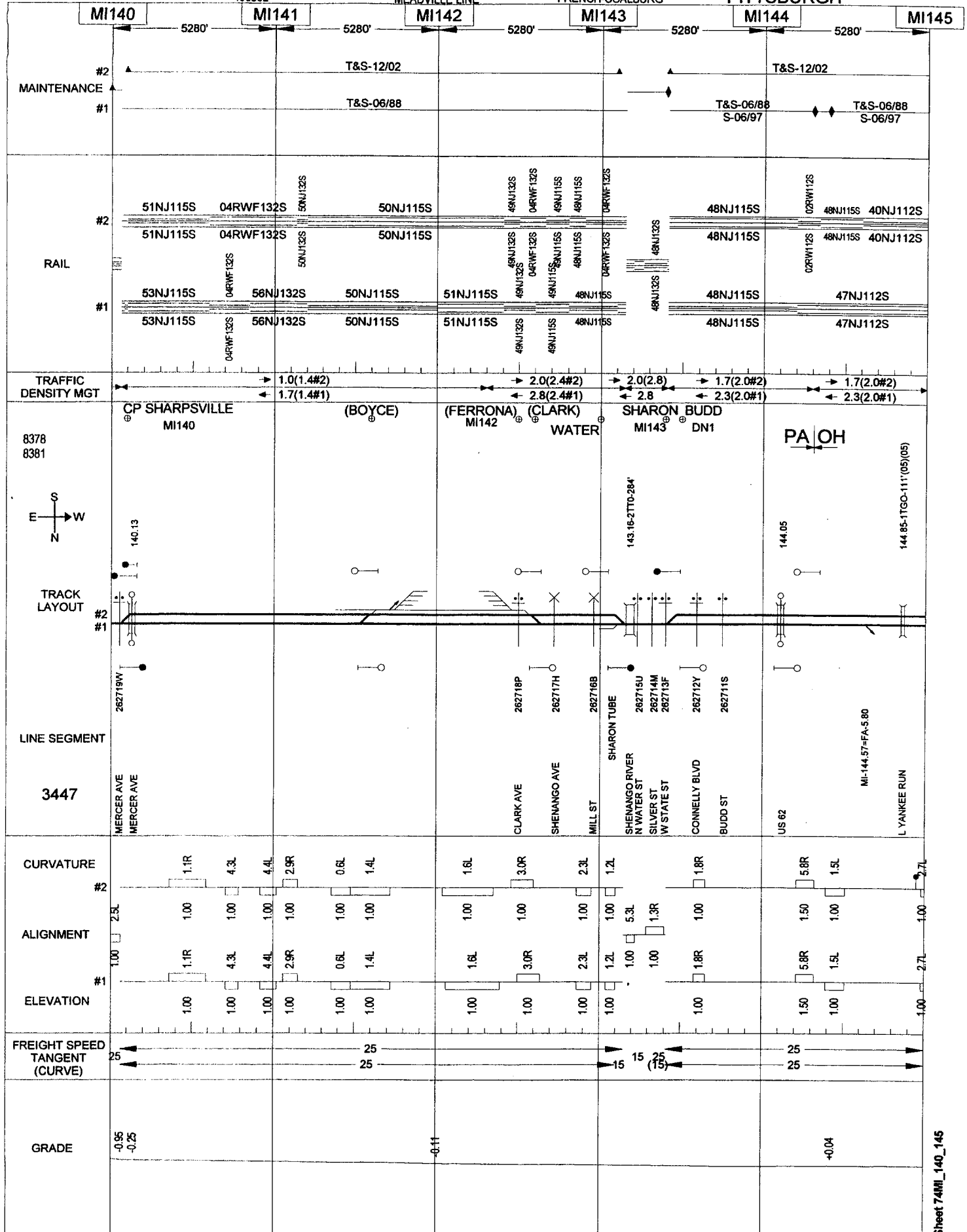
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329

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



06/14/2006

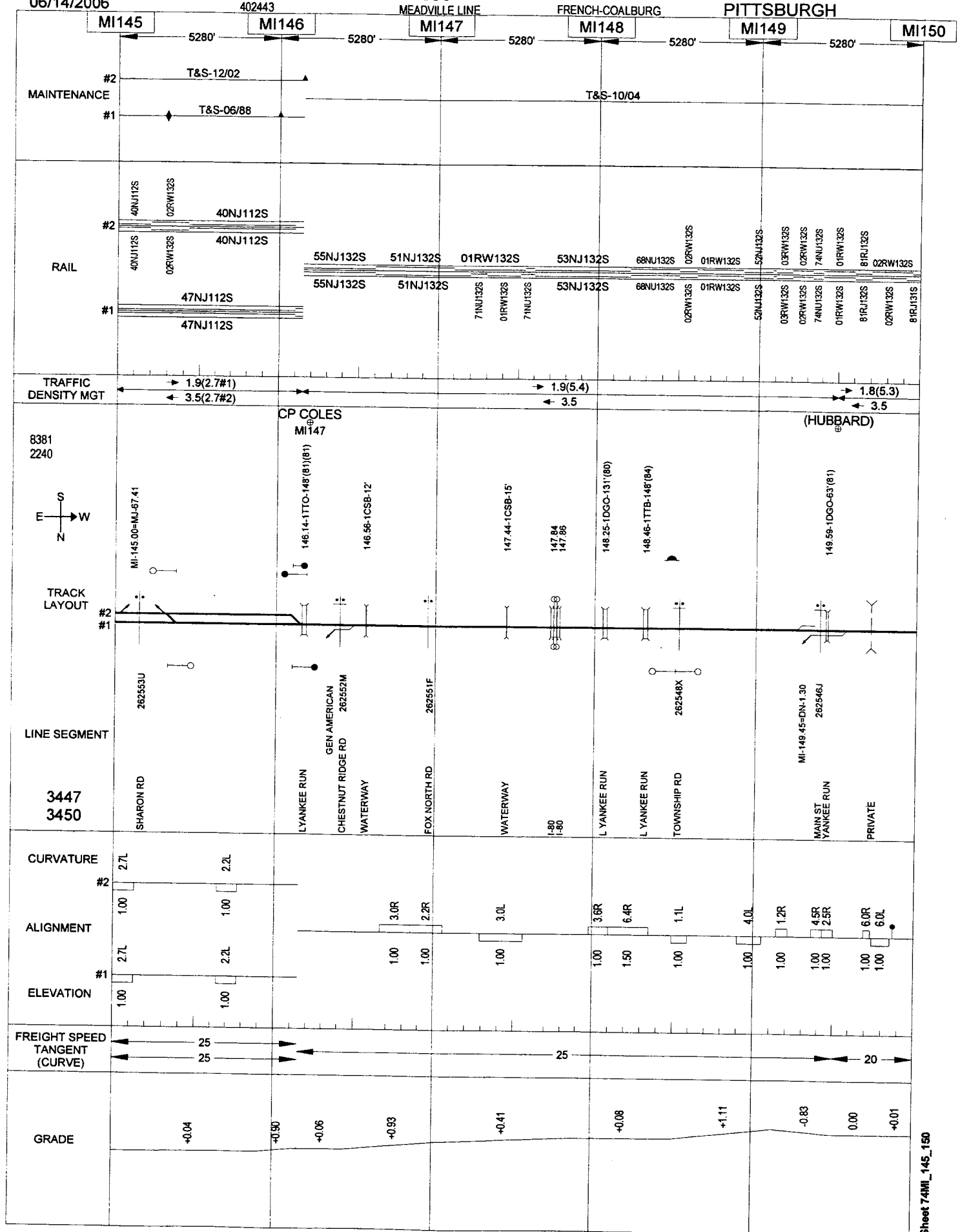
402443

330

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH





06/14/2006

402443

331

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH

MI150

6336'

MAINTENANCE

T&amp;S-10/04

RAIL

81RJ131S 44RJ127S

81RJ131S 44RJ127S

TRAFFIC  
DENSITY MGT

1.8(5.3)

3.5

(COALBURG)

CP 52

2240

S  
E → W  
N

150.25-1CSB-11'

MI-150.80-YG-52.39

TRACK  
LAYOUT

LINE SEGMENT

MI-150.20-YG-51.53

3450

WATERWAY

CURVATURE

ALIGNMENT

6.0L

6.0R

1.00

1.00

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

20

GRADE

+0.01

+0.52

+0.80

06/14/2006

402434

332

WHEATLAND I.T.

WHEATLAND-SHARPVILLE

PITTSBURGH

MJ66

MJ67

MJ68

MJ69

MJ70

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-06/75

T&S-06/84

RAIL

34NJ131S

40NJ131S

37NJ130S

68NW131S

34NJ131S

40NJ131S

37NJ130S

68NW131S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)  
← 0.0

→ 1.5(2.0)  
← 0.5

→ 0.0(0.0)  
← 0.0

7474



TRACK  
LAYOUT

(WHEATLAND)  
(FARRELL YD)

(FARRELL)  
MJ69

(SHARON)

066.31-3 T/O-399(68)

MJ-67.41=M1145.00

068.62-1 BSO-15(73)

069.54

LINE SEGMENT

3432

SHENANGO RV

COUNCIL AVE

MILL ST

MAIN ST

CHURCH ST

OHIO

PR 000

WATERWAY

STAUNTON AVE

SR 62

545020T  
545021A  
545022G

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

1.00

1.5L

1.00

2.0R

1.00

1.0R

1.00

2.9R

1.00

1.0L

1.00

0.4L

10

0.00

-0.49

0.00

+0.21

0.00

+0.22

-0.47

-0.15

+0.09

0.00

+0.24

+0.52

06/14/2006

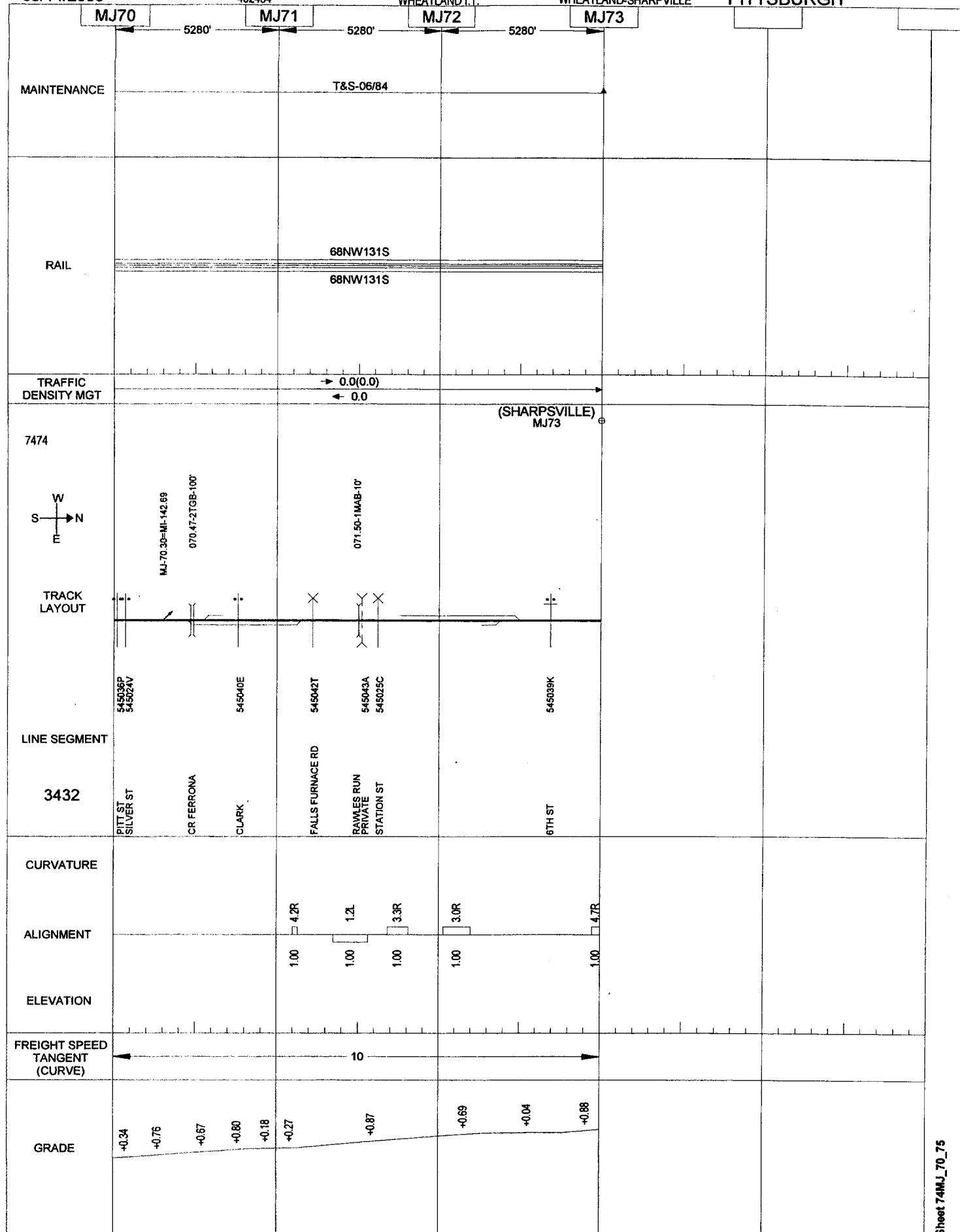
402434

333

WHEATLAND I.T.

WHEATLAND-SHARPSVILLE

PITTSBURGH



06/14/2006

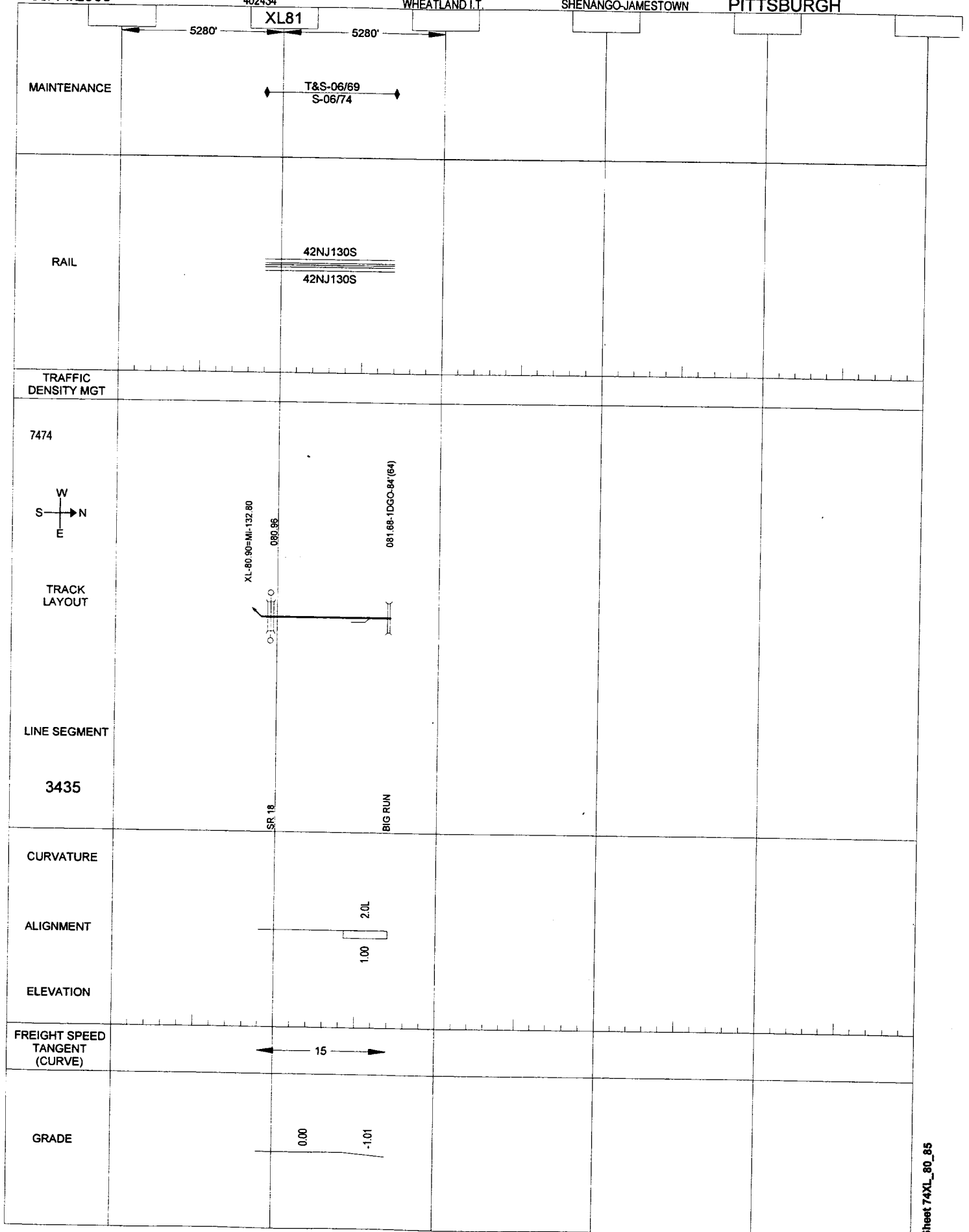
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334

WHEATLAND I.T.

SHENANGO-JAMESTOWN

PITTSBURGH



06/14/2006

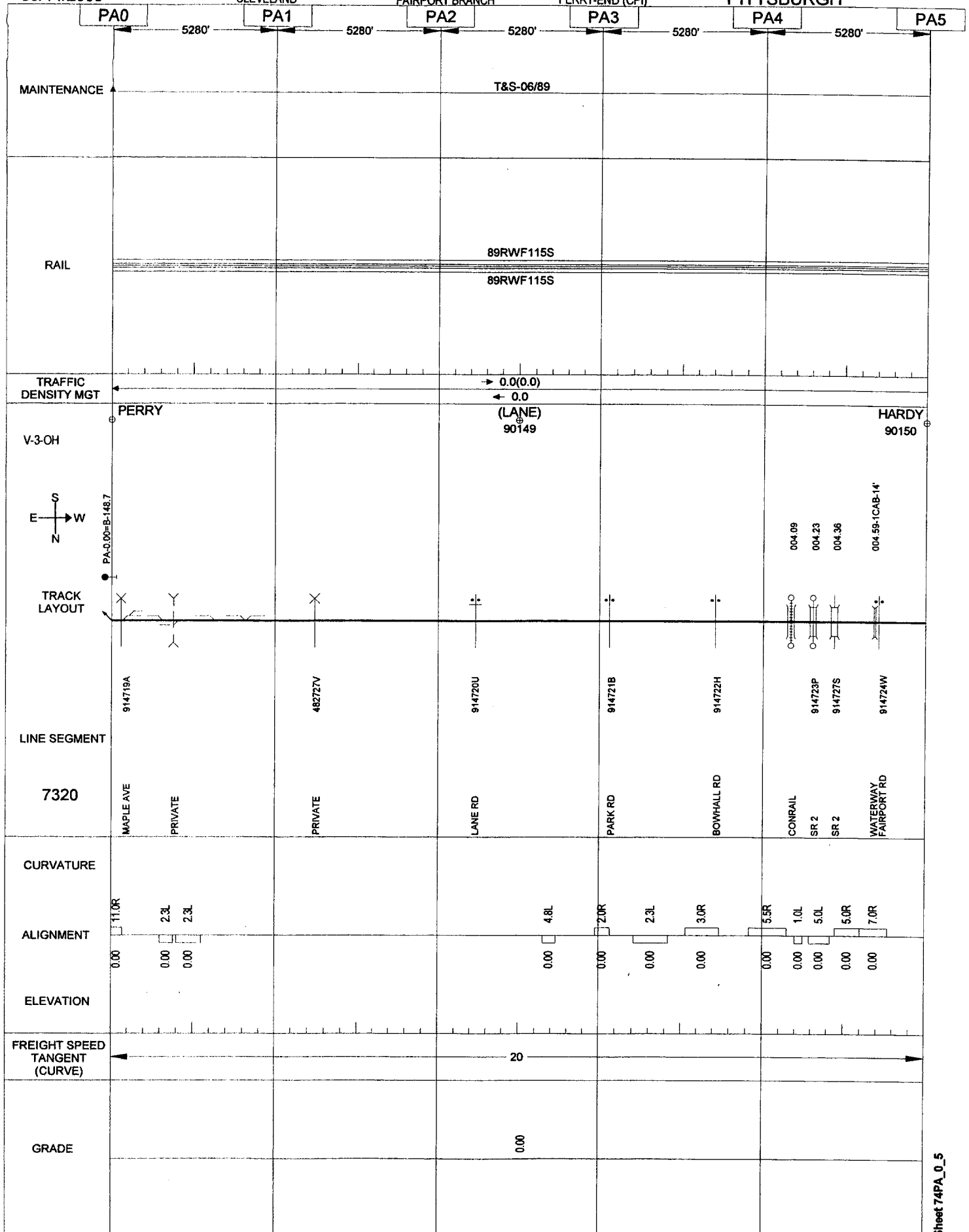
335

CLEVELAND

FAIRPORT BRANCH

PERRY-END (CPI)

PITTSBURGH



06/14/2006

336

CLEVELAND

FAIRPORT BRANCH

PERRY-END (CPI)

PITTSBURGH

PA5

PA6

PA7

PA8

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-06/89

RAIL

89RWF115S

89RWF115S

TRAFFIC  
DENSITY MGT

→ 0.0(0.0)  
← 0.0

V-3-OH

HARDY  
90150

FAIRPORT  
90152

END OF TRACK  
90153

S  
E → W  
N

TRACK  
LAYOUT

LINE SEGMENT

7320

482735M  
HARDY RD

482737B  
PRIVATE

914725D  
PRIVATE

482739P  
PRIVATE

482740J  
PRIVATE

482741R  
6TH ST

482742X  
EAST ST

141882J  
HIGH ST

CURVATURE

ALIGNMENT

ELEVATION

2.0R  
0.00

5.6L  
0.00

11.8R  
0.00

3.4L  
0.00

1.0L  
0.00

5.3L  
0.00

4.0L  
0.00

3.0L  
0.00

7.8L  
0.00

7.9R  
0.00

12.5L  
0.00

6.8L  
0.00

1.5L  
0.00

FREIGHT SPEED  
TANGENT  
(CURVE)

20

10

GRADE

0.00

$\Phi_{\text{H}} = 0.01$ 

- $$\begin{aligned} \frac{1}{2} &= \frac{1}{2} \cdot \frac{1}{2} \\ &= \frac{1}{4} \end{aligned}$$

10.  $\frac{1}{2} \sqrt{2} \sqrt{2} = 1$

$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} f(x) e^{-x^2} dx = \frac{1}{\sqrt{\pi}}$

10

1997

### 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. The heavy arrows indicate junctions with branch lines and connections with other railroads (see item 8). Details of this display are limited to switches on main track and adjacent track. Also shown in this area are the graphic symbols for the various grade crossing types, clearance detectors, overpasses, underpasses, bridges, tunnels, and other overhead structures. The common names (street, highway, river) associated with these graphic symbols are displayed at the bottom of the track layout section. Note: For railroad crossings at grade, the display convention, when available, is: 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. Note: Representation is now provided for both tracks 1 and 2. In prior volumes representation was provided for track 1 only. In double track sections track 2 was only a copy of track 1 and did not necessarily represent actual conditions.
- 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**

# Appendix

## Rail, T&S, and Surfacing For 3<sup>RD</sup> and 4<sup>TH</sup> Main Tracks

ALTO - SG	PT-236.51-278.00	342
CP PENN – EAST CONWAY	PC-001.74-020.50	351

06/16/2006

402102

342

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

PT237

PT238

PT239

PT240

5242'

5320'

5187'

5372'

5274'

MAINTENANCE  
#3

T&S-05/01

RAIL #3

78NW132S

97NW136S

99NWF136S

71NW140S

93NW136S

97NW136S

01NW136S

71NW140S

66NW132S

93NW136S

99NW136S

02NW141S

71NW140S

78NW132S

97NW136S

71NW140S

93NW136S

97NW136S

01NW136S

71NW140S

01NW136S

99NW136S

02NW141S

TRAFFIC  
DENSITY MGT



TRACK  
LAYOUT

LINE SEGMENT

3306

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

06/16/2006

402102

343

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT240	PT241	PT242	PT243	PT244	PT245
	5276'	5287'	5282'	5270'	5385'	
MAINTENANCE #3	T&S-05/01					
RAIL #3	98NW136S 00NW136P 02NW141P	02NW141S 98NW136S 99NW136S	05NW141P 93NW136S	02NW141S 71NW140S 98NW136S	88NW132S 00NW136P 02NW141S	00NW136P 99NW136S 05NW141P
TRAFFIC DENSITY MGT	98NW136S 01NW136P	98NW136S	98NW136S 00NW136P	93NW136S 98NW136S 99NW136S	99NW136S 00NW136P	99NW136P
TRACK LAYOUT						
LINE SEGMENT  3306						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

06/16/2006


402102

344

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT245	PT246	PT247	PT248	PT249	PT250
	5149'	5311'	5307'	4646'	5238'	
MAINTENANCE	T&S-05/01					T&S-05/01 S-05/03
						T&S-06/97
RAIL	#3 93NW136S 01NW136P 97NW136S 99NW136S 02NW141S 00NWF136P 02NW141P 01NW136S 95NW136S 71NW140S 92NW136S 73NW140S 99NWF136P 73NW140S 92NW136S 01NW136P 99NWF136P 05NWF141P #4 00NWF136P 95NW136S 97NW136S 86NW132S 01NW136P 02NW141P 02NW141S 95NW136S 71NW140S 02NW141P					
TRAFFIC DENSITY MGT						
						
TRACK LAYOUT						
LINE SEGMENT						
3306 3309						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						


06/16/2006

402102

345  
PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT250	PT251	PT252	PT253	PT254	PT255
	5304'	5136'	5311'	5162'	4682'	
MAINTENANCE	#3 T&S-05/01 S-05/03 #4 T&S-06/97			T&S-05/01		
RAIL	#3 73NW140S 75NW140S 73NW140S #4 73NW140S 75NW140S 73NW140S			73NW140S 73NW140S		
TRAFFIC DENSITY MGT						
 TRACK LAYOUT						
LINE SEGMENT 3309						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

06/16/2006

402102

346

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

PT255

PT256

PT257

PT258

PT259

PT260

4594'

4519'

4631'

4546'

4626'

MAINTENANCE  
#3

T&S-05/01

RAIL #3

73NW140S

74NW140S

95NW136S

73NW140S

74NW140S

95NW136S

TRAFFIC  
DENSITY MGT



TRACK  
LAYOUT

LINE SEGMENT

3309

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE



06/16/2006


402102

347

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT260	PT261	PT262	PT263	PT264	PT265
	4826'	4874'	4861'	4865'	5248'	
MAINTENANCE #3	T&S-05/01					
RAIL #3	95NW136S 95NW136S	74NW140S 74NW140S		93NW136S 93NW136S	88NW132S 02NW141P 88NW132S	
TRAFFIC DENSITY MGT						
 TRACK LAYOUT						
LINE SEGMENT						
3309 3312						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

06/16/2006

402102

348

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT265	PT266	PT267	PT268	PT269	PT270
	5265'	5271'	5299'	5270'	5286'	
MAINTENANCE #3	T&S-05/01			T&S-10/02 S-06/05		
RAIL #3	89NW132S 01NW136S 00NWF136P	77NW140S	03NW141P 98NW136S 99NWF136P	77NW140S	04NWF141P	93NW136S 98NW136S 04NWF141P
	89NW132S 01NW136S 03NW141P	77NW140S 02NW141P	98NW136S 99NWF136P	77NW140S 99NWF136P	98NW136S	98NW136S 77NW140S
TRAFFIC DENSITY MGT						
<div data-bbox="156 829 256 924"> </div> <div data-bbox="165 976 256 1029"> <p>TRACK LAYOUT</p> </div> <div data-bbox="132 1186 280 1228"> <p>LINE SEGMENT</p> </div> <div data-bbox="165 1270 247 1312"> <p>3312</p> </div>						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

06/16/2006

402102

349

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT270	PT271	PT272	PT273	PT274	PT275
	5315'	5277'	5246'	5120'	5476'	
MAINTENANCE #3			T&S-10/02 S-06/05		T&S-10/02	
RAIL #3	98NW136S 77NW140S 95NW136S 96NW136S 84RW140S 02NW141P 98NW136S 99NWF136P 84RW140S 73NW140S 02NW141P	98NW136S 77NW140S 95NW136S 96NW136S 84RW140S 02NW141P 98NW136S 99NWF136P 84RW140S 73NW140S 02NW141P	98NW136S 77NW140S 95NW136S 96NW136S 84RW140S 02NW141P 98NW136S 99NWF136P 84RW140S 73NW140S 02NW141P	98NW136S 77NW140S 95NW136S 96NW136S 84RW140S 02NW141P 98NW136S 99NWF136P 84RW140S 73NW140S 02NW141P	98NW136S 77NW140S 95NW136S 96NW136S 84RW140S 02NW141P 98NW136S 99NWF136P 84RW140S 73NW140S 02NW141P	98NW136S 77NW140S 95NW136S 96NW136S 84RW140S 02NW141P 98NW136S 99NWF136P 84RW140S 73NW140S 02NW141P
TRAFFIC DENSITY MGT						
<div> <div>S</div> <div>E</div> <div>N</div> <div>W</div> </div> TRACK LAYOUT						
LINE SEGMENT						
3312 3315						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

06/16/2006

402102

350

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

PT275

PT276

PT277

PT278

5461'

5238'

5329'

5089'

5282'

MAINTENANCE  
#3

T&S-10/02

RAIL  
#3

02NW141P  
85RW140S  
73NW140S  
98NW136S  
73NW140S  
98NW136S  
73NW140S  
98NW136S  
73NW140S  
02NW141P  
98NW136P

TRAFFIC  
DENSITY MGT

S  
E — W  
N

TRACK  
LAYOUT

LINE SEGMENT

3315

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

06/16/2006

402202

351

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

PC2

PC3

PC4

PC5

4665'

5280'

5180'

5410'

5254'

#3  
MAINTENANCE  
#4

T&amp;S-04/02

T&amp;S-06/98

T&S-06/98  
S-03/03T&S-06/98  
S-04/00#3  
RAIL  
#4

68RW152S 01NW136S 68RW152S 97NW136S 68RW152S 03NW141S 68RW152S 01NW136S 68RW152S 77NW140S

68RW152S 01NW136S 68RW152S 97NW136S 68RW152S 03NW141S 68RW152S 01NW136S 68RW152S 77NW140S

77NW140S 82NW140S 78NW140S 98NW136S 01NW136P 78NW140S 77NW140S

77NW140S 82NW140S 78NW140S 98NW136S 78NW140S 77NW140S

TRAFFIC  
DENSITY MGTTRACK  
LAYOUT

LINE SEGMENT

3396

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

06/16/2006

402202

352

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

	PC5	PC6	PC7	PC8	PC9	PC10
	5303'	5273'	5283'	5274'	5285'	
MAINTENANCE #3	T&S-08/03					
RAIL #3	77NW140S	00NW136P	98NW136S	96NW136S	68NW140S	
	77NW140S	00NW136P	98NW136S	96NW136S	68NW140S	
TRAFFIC DENSITY MGT						
<div data-bbox="161 846 252 926"> </div>						
TRACK LAYOUT						
LINE SEGMENT						
3396						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

06/16/2006

402202

353  
FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

	PC10	PC11	PC12	PC13	PC14	PC15
	5287'	5324'	5908'	5156'	4933'	
MAINTENANCE #3	T&S-08/03					
RAIL #3	68NW140S 01NW136S 68NW140S	76NW140S 01NW136S 76NW140S	99NWF136P 00NWF136S 76NW140S	76NW140S	99NWF136S 76NW140S 67RW152S 99NWF136S 76NW140S	76NW140S
TRAFFIC DENSITY MGT						
<div data-bbox="161 842 249 921"> </div> TRACK LAYOUT						
LINE SEGMENT						
3396						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

06/16/2006

402202

354

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

	PC15	PC16	PC17	PC18	PC19	PC20
	5197'	5293'	5163'	5251'	5295'	
MAINTENANCE						
#3			T&S-08/03			
#4			T&S-09/00 S-04/03			
RAIL						
#3			76NW140S			
			76NW140S			
#4			76NW140S			
		76NW140S		02NW141S	76NW140S	
TRAFFIC DENSITY MGT						
<div data-bbox="161 835 249 919"> </div> <div data-bbox="170 982 249 1024"> <p>TRACK LAYOUT</p> </div>						
LINE SEGMENT						
3396						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						



06/16/2006

402202

355

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

PC20

5272'

5323'

5284'

5130'

5339'

#3  
MAINTENANCE

T&amp;S-08/03 ▲

#4

RAIL

#3

78RW140S

78RW140S

#4

76NW140S

76NW140S

TRAFFIC  
DENSITY MGT

S  
E — W  
N

TRACK  
LAYOUT

LINE SEGMENT

3396

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED  
TANGENT  
(CURVE)

GRADE

TABLE 3  
OPEN DECK BRIDGE INFORMATION

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
128	B-023.46	023.46	01	1998
129	B-026.16	026.16	01	1998
129	B-029.22	029.29	01	1997
131	B-036.39	036.39	01	1977
132	B-043.63	043.65	01	1990
133	B-047.06	047.06	01	1977
135	B-058.70	058.77	01	1998
136	B-061.50	061.50	01	1997
137	B-068.84	068.84	01	1981
138	B-070.63	070.63	01	1978
140	B-082.04	082.04	01	1984
141	B-086.21	086.21	01	1988
141	B-086.88	086.88	01	1988
141	B-087.83	087.82	01	1990
142	B-091.55	091.58	01	1987
143	B-096.58	096.72	01	1996
144	B-103.68	103.89	01	1987
147	B-115.06	115.19	01	2003
149	B-128.55	128.64	01	1988
151	B-138.23	138.19	01	1988
154	B-154.04	154.16	01	1983
316	DL-004.45	004.45	01	1961
317	DL-005.25	005.25	01	1982
286	EL-000.10	000.20	01	1999
286	EL-001.14	001.21	01	1983
287	EL-006.82	006.92	01	1985
287	EL-007.00	007.09	01	2001
287	EL-007.18	007.28	01	1993
287	EL-007.80	007.88	01	2000
287	EL-008.13	008.23	01	1983
287	EL-009.30	009.45	01	1983
288	EL-010.65	010.82	01	1998
288	EL-010.92	011.07	01	1997
288	EL-011.16	011.31	01	1997
288	EL-013.64	013.64	01	1975
289	EL-015.06	015.06	01	1965
289	EL-017.40	017.40	01	1983
289	EL-018.05	018.05	01	1988
289	EL-019.07	019.07	01	1988
289	EL-019.17	019.17	01	1988
224	EU-000.47	000.47	01	1982
180	JK-003.48	003.48	01	1999
180	JK-003.92	003.92	01	1994
181	JK-007.84	007.84	01	1989
204	JM-006.83	006.83	01	1969
205	JM-012.30	012.30	01	1969
205	JM-014.42	014.42	01	1969
206	JM-016.48	016.48	01	1969
217	KF-027.08	027.08	01	1965
217	KF-027.64	027.64	01	2001
217	KF-029.97	029.97	01	2000
218	KF-031.00	031.00	01	1998
218	KF-031.73	031.73	01	1998
218	KF-032.45	032.45	01	1998
222	KR-081.24	081.33	01	1984
223	KR-085.41	085.41	01	1981

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
223	KR-087.42	087.42	01	1981
109	LC-001.44	001.60	01	1985
109	LC-003.09	003.10	01	1988
114	LC-029.32	029.31	01	2005
115	LC-034.74	034.74	01	2000
118	LC-047.93	047.83	01	2005
120	LC-057.53	057.53	01	1997
121	LC-064.95	064.97	01	1998
226	LQ-268.92	268.92	01	1979
270	LR-001.26	001.26	01	1994
273	LR-017.62	017.62	01	1980
276	LR-030.26	030.26	01	1983
279	LR-047.04	047.04	01	NA
283	LR-066.26	066.24	01	1991
283	LR-066.51	066.48	01	1991
283	LR-066.56	066.56	01	1995
283	LR-068.10	068.05	01	1992
283	LR-068.73	068.72	01	1991
284	LR-070.41	070.46	01	1997
284	LR-071.64	071.64	01	NA
322	MI-105.61	105.61	01	1978
322	MI-109.74	109.74	01	1980
323	MI-110.50	110.50	01	1984
326	MI-125.79	125.79	01	1983
326	MI-129.05	129.05	01	1984
327	MI-130.35	130.35	01	1982
327	MI-131.86	131.86	01	1977
328	MI-138.85	138.85	01	1990
328	MI-139.78	139.78	01	1963
329	MI-144.85	144.85	BOTH	2005
330	MI-146.16	146.14	BOTH	1981
330	MI-148.05	148.25	01	1980
330	MI-148.30	148.46	01	1984
330	MI-149.44	149.59	01	1981
332	MJ-066.31	066.31	01	1968
332	MJ-068.62	068.62	01	1973
246	ML-001.11	001.20	BOTH	2005
			BOTH	2002
			BOTH	2001
246	ML-001.55	001.85	02	2004
			02	2002
247	ML-007.70	007.70	01	1984
247	ML-007.70	007.70	02	1986
247	ML-007.97	007.97	01	2002
247	ML-007.97	007.97	02	1996
256	ML-052.81	052.90	01	1986
256	ML-054.40	054.50	01	2005
257	ML-059.33	059.33	01	1995
258	ML-061.52	061.46	01	1994
258	ML-062.07	062.03	01	1995
259	ML-067.34	067.24	01	1995
240	NJ-021.64	021.64	01	NA
314	NW-011.44	011.44	01	1987
314	NW-013.63	013.63	01	1991
315	NW-017.70	017.70	01	NA
294	OC-058.27	058.17	01	1980
319	OP-008.31	008.35	01	1993
319	OP-008.94	008.95	01	1993
319	OP-009.01	009.01	01	1993
320	OP-010.21	010.21	01	1993
321	OP-015.44	015.44	01	NA

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
159	OY-001.33	001.39	01	1980
159	OY-001.33	001.39	02	2001
52	PC-000.00	000.18	BOTH	1997
53	PC-000.05	000.33	01	2002
53	PC-000.05	000.33	02	2004
66	PC-065.13	065.20	01	2004
66	PC-065.13	065.20	02	2001
67	PC-070.98	070.98	BOTH	1992
69	PC-081.42	081.63	01	1998
69	PC-081.42	081.63	02	1984
69	PC-083.83	083.78	01	1992
69	PC-083.83	083.78	02	1979
73	PC-102.26	102.26	BOTH	NA
74	PC-109.84	109.84	01	1991
74	PC-109.84	109.84	02	1986
76	PC-116.25	116.25	01	1984
76	PC-118.20	118.20	01	1981
78	PC-126.87	126.87	01	1987
78	PC-126.87	126.87	02	1984
80	PC-135.69	135.69	BOTH	1973
80	PC-135.97	135.98	01	1979
80	PC-135.97	135.98	02	1980
80	PC-135.97	135.98	03	1979
80	PC-137.06	137.06	01	1978
80	PC-137.06	137.06	02	1984
83	PC-151.48	151.48	01	2004
84	PC-157.14	157.14	01	1980
84	PC-157.30	157.30	01	1995
85	PC-162.30	162.30	01	1982
85	PC-162.30	162.30	02	2001
85	PC-164.61	164.61	01	2000
85	PC-164.61	164.61	02	2004
86	PC-165.05	165.05	01	1978
86	PC-165.05	165.05	02	2000
86	PC-165.78	165.78	01	1998
86	PC-165.78	165.78	02	1999
24	PT-232.91	232.94	BOTH	1989
27	PT-247.21	247.21	BOTH	1995
194	QS-015.07	015.07	01	1989
91	RD-000.11	000.07	01	1981
91	RD-004.47	004.47	01	1997
91	RD-004.47	004.47	02	1978
92	RD-007.72	007.72	BOTH	1984
93	RD-014.19	014.21	BOTH	1988
95	RD-021.96	021.96	01	1980
95	RD-021.96	021.96	02	1985
95	RD-024.71	024.71	01	1981
95	RD-024.71	024.71	02	1985
96	RD-028.30	028.30	01	1979
96	RD-028.30	028.30	02	1978
96	RD-029.25	029.25	01	1999
96	RD-029.25	029.25	02	1979
97	RD-030.35	030.35	BOTH	1982
97	RD-030.77	030.77	01	1982
97	RD-030.77	030.77	02	1978
97	RD-031.91	031.91	BOTH	1997
97	RD-032.17	032.17	01	1982
97	RD-032.17	032.17	02	1977
97	RD-033.73	033.73	01	2001
97	RD-033.73	033.73	02	1995
98	RD-036.79	036.79	01	1985

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
98	RD-036.79	036.79	02	1990
98	RD-037.25	037.23	BOTH	1980
98	RD-037.61	037.61	BOTH	1980
101	RD-053.08	053.05	01	1979
101	RD-053.36	053.33	01	1980
101	RD-054.20	054.20	01	2004
102	RD-055.29	055.29	01	1981
102	RD-056.83	056.83	01	2004
102	RD-057.72	057.72	01	1981
102	RD-058.83	058.83	01	1981
102	RD-059.10	059.11	01	2004
182	RN-029.27	029.27	01	1987
295	RO-000.25	000.20	01	1989
296	RO-005.62	005.62	01	1985
299	RO-023.65	023.63	01	1970
300	RO-025.84	025.84	01	1994
300	RO-026.56	026.56	01	1962
300	RO-028.54	028.54	01	1967
300	RO-029.39	029.39	01	1975
300	RO-029.90	029.90	01	1975
301	RO-030.66	030.66	01	1985
301	RO-030.88	030.88	01	1989
301	RO-032.61	032.61	01	1984
301	RO-033.84	033.87	01	1985
302	RO-039.81	039.81	01	1984
303	RO-044.24	044.24	01	1981
306	RO-058.42	058.36	01	1966
231	RZ-006.26	006.10	01	1982
231	RZ-006.79	006.39	01	NA
231	RZ-007.30	007.30	01	1985
232	RZ-010.74	010.74	01	1963
232	RZ-012.46	012.46	01	1984
232	RZ-013.09	013.09	01	1981
232	RZ-014.60	014.60	01	1980
233	RZ-015.69	015.69	01	1984
233	RZ-018.44	018.44	01	1985
233	RZ-019.96	019.96	01	1984
234	RZ-021.48	021.48	01	1982
234	RZ-022.85	022.85	01	1981
235	RZ-025.49	025.49	01	1981
235	RZ-028.44	028.57	01	1983
235	RZ-029.84	029.84	01	1985
236	RZ-031.42	031.42	01	NA
236	RZ-034.51	034.51	01	1983
237	RZ-035.01	035.01	01	1983
237	RZ-036.72	036.72	01	1985
186	SY-003.57	003.57	01	1996
186	SY-004.67	004.67	01	1997
187	SY-005.35	005.35	01	1996
187	SY-006.07	006.07	01	1995
187	SY-008.79	008.79	01	1995
189	SY-015.00	014.95	01	1988
189	SY-015.07	015.07	01	1989
189	SY-019.96	019.96	01	1981
190	SY-020.33	020.39	01	1977
219	TJ-000.91	000.12	01	2004
			01	2002
197	UN-000.22	000.22	01	1999
293	WX-000.17	000.17	01	1995
264	WY-003.15	003.28	01	1967
264	WY-003.44	003.56	01	1992

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
265	WY-007.28	007.57	01	1992
265	WY-007.50	007.78	01	1967
334	XL-081.68	081.68	01	1964
161	YG-007.85	007.85	01	2001
163	YG-017.80	017.87	01	1985
164	YG-023.70	023.72	01	2004
164	YG-024.37	024.40	01	1982
164	YG-024.88	024.88	01	1986
165	YG-025.09	025.09	01	1986
165	YG-026.73	026.78	01	2000
165	YG-027.03	027.02	01	1992
165	YG-027.34	027.34	01	1985
165	YG-028.07	028.17	01	1988
165	YG-029.59	029.55	01	1986
167	YG-035.85	035.89	01	1987
168	YG-040.44	040.49	01	1981
168	YG-043.39	043.39	01	1984
168	YG-043.94	043.94	01	1986
169	YG-047.75	047.75	01	1991
169	YG-048.68	048.68	01	1999
169	YG-049.49	049.49	01	1999
170	YG-050.02	050.02	01	2001
170	YG-050.21	050.21	01	1999
170	YG-050.66	050.66	01	1992
172	YG-060.02	060.13	BOTH	1983
172	YG-062.18	062.17	01	1983
172	YG-062.98	063.00	01	1983
172	YG-064.38	064.38	01	1977
173	YG-066.87	066.87	01	2001
174	YG-074.82	074.90	01	2004
175	YG-075.87	075.94	01	1996
175	YG-075.87	075.94	02	2002
176	YG-081.04	080.33	BOTH	1992
176	YG-081.33	081.42	01	2001
176	YG-081.83	081.99	01	1988
			01	1980
176	YG-081.83	081.99	02	2001
			02	1995
			02	1980
176	YG-083.14	083.21	01	1991
176	YG-084.74	084.83	01	1976
178	YG-090.62	090.71	01	1988
178	YG-092.81	092.81	01	1985
291	YN-000.18	000.26	01	1987
291	YN-000.55	000.55	01	1994
291	YN-000.83	000.83	01	1994
291	YN-001.78	001.78	01	NA