



**NORFOLK
SOUTHERN**

Pittsburgh Division

2007

This Book Is Intended For GENERAL REFERENCE ONLY

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 Database:

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:

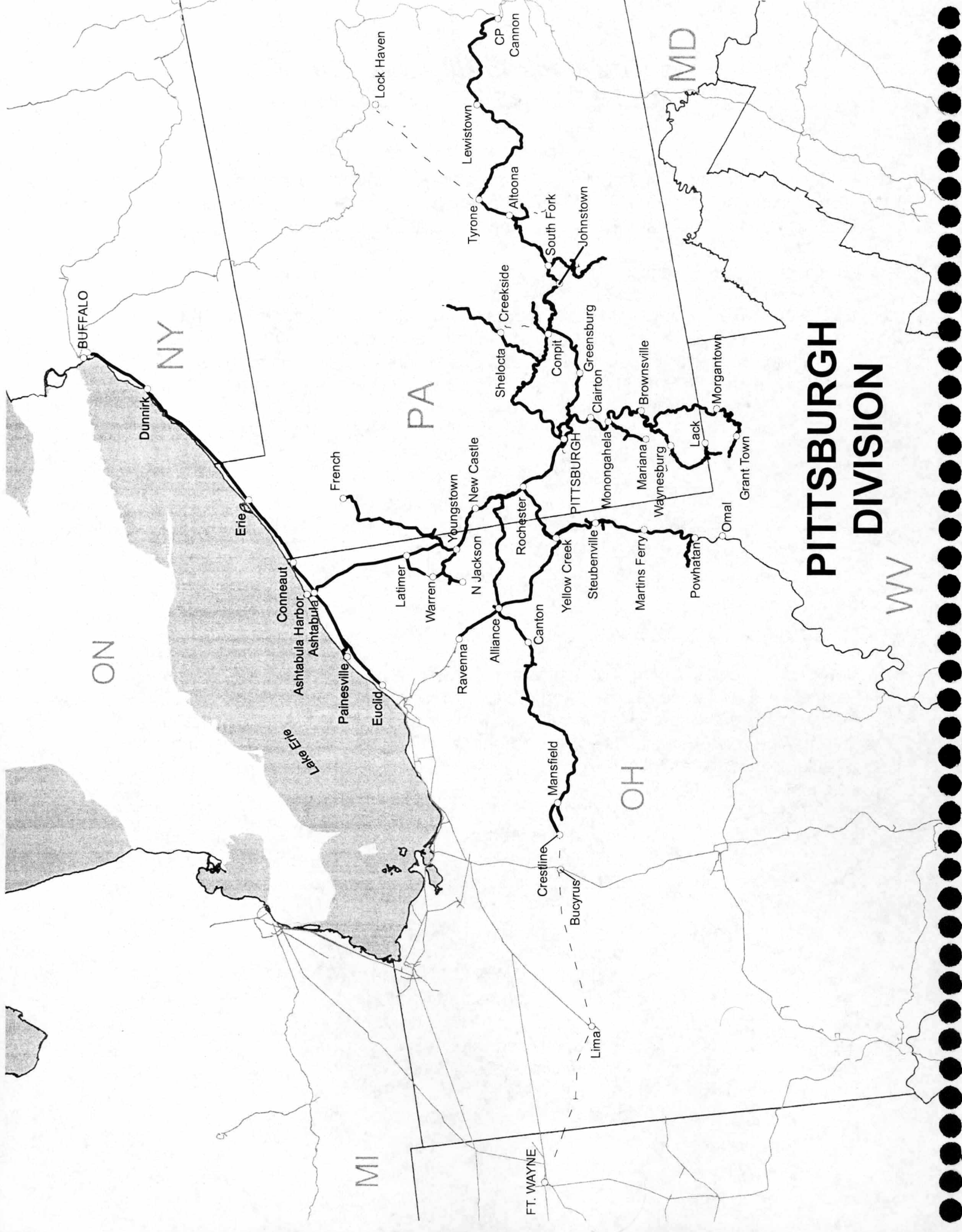
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NS Corporate Track Database (CTRK):

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

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PITTSBURGH DIVISION

Contents & Indices

PITTSBURGH DIVISION

TABLE OF CONTENTS

DESCRIPTION	FROM	TO	LINE	PAGE
CP CANNON-PITTSBURGH	PT - 119.16	- 353.35	PITTSBURGH LINE	1
JOHNSTOWN-CP CONPIT	SG - 278.00	- 290.20	SANG HOLLOW EXTENSION	49
PITTSBURGH-CRESTLINE	PC - 000.00	- 188.70	FORT WAYNE LINE	53
CP ROCHESTER-RAVENNA	RD - 000.00	- 085.90	CLEVELAND LINE	91
CP CONPIT-CP PENN	LC - 000.00	- 077.90	CONEMAUGH LINE	109
BUFFALO-EUCLID	B - 006.50	- 172.00	LAKE ERIE DISTRICT	125
ASHTABULA-HARBOR YARD	OY - 000.00	- 003.30	YOUNGSTOWN LINE	159
ASHTABULA-CP ROCHESTER	YG - 000.00	- 097.20	YOUNGSTOWN LINE	160
ALTOONA-HOLLIDAYSBURG	JK - 000.00	- 008.00	COVE SEC. / RAE I.T.	180
HOLLIDAYSBURG YARD	RN - 028.00	- 032.00	RAE I.T.	182
PORTAGE-SONMAN	EQ - 000.00	- 002.50	BENS CREEK I.T.	184
BEN CRK BRNCH-MINE	EE - 000.00	- 000.80	SONMAN I.T.	185
SOUTH FORK-GAHAGAN	SY - 000.00	- 034.60	SOUTH FORK SEC.	186
PAINT-WINDBER JUNCTION	QS - 014.40	- 016.20	SOUTH FORK I.T.	193
WINDBER-ALLISON MINE	XT - 000.00	- 001.50	WINDBER I.T.	195
PGH LINE-JOHNSTOWN	JA - 000.00	- 001.00	JOHNSTOWN I.T.	196
CP TROBE-LATROBE	UN - 000.00	- 000.90	UNITY I.T.	197
CP TROBE-VULCAN MOLD	XN - 000.00	- 002.00	LATROBE I.T.	198
RADEBAUGH	KQ - 000.00	- 000.90	SOUTHWEST I.T.	199
CP TRAFF-END	TV - 000.00	- 000.90	TURTLE CREEK I.T.	200
E PITTSBURGH-THOMSON	JP - 000.00	- 002.90	PORT PERRY BR.	201
CP HOME-END	VL - 000.00	- 000.80	VALLEY I.T.	202
CP ALUM-DIAS	JM - 000.00	- 017.50	BLAIRSVILLE SEC.	203
SALTSBURG-SHELOCTA	KB - 000.00	- 016.36	KEYSTONE BRANCH	207
CLOE-CREEKSIDE	RA - 002.00	- 026.74	SHELOCTA R.T.	211
CREEKSIDE-SHELOCTA	KF - 027.00	- 033.00	SHELOCTA R.T.	217
CP PENN-CP ISLE	TJ - 000.00	- 001.40	ISLAND CONN.	219
ECONOMY YARD-BADEN	OT - 001.00	- 003.00	ECONOMY I.T. EXT.	220
WEST ROCHESTER-END	BY - 000.00	- 000.50	BLOCK HOUSE RUN I.T.	221
CEMENT-CP WOOD	KR - 081.10	- 087.50	KOPPEL SEC.	222
MASSILLON-EAST GRAVEL	EU - 000.00	- 002.00	M&C I.T.	224
ORRVILLE	OZ - 035.00	- 038.70	ORRVILLE I.T.	225
MANS-ONTARIO	LQ - 268.80	- 275.17	HARDING I.T.	226
CASTLE-CSX	CY - 046.50	- 047.30	NEW CASTLE CONNECTION	229
YOUNGSTOWN-N JACKSON	RZ - 000.00	- 020.20	LORDSTOWN SEC.	230
NILES-PINE	NJ - 011.70	- 015.50	DETOUR R.T.	235
CP EAST WAR-LATIMER	NJ - 020.00	- 030.80	NILES SEC.	237
LORDSTOWN SEC-NILES SEC	VD - 000.00	- 000.50	VAN WYE I.T.	240
SOAPTOWN-GOODMAN	JO - 000.00	- 002.20	GEM I.T.	241
CP ALLIANCE-ALLIANCE YARD	JE - 022.90	- 024.70	BENTON I.T.	242
CP BELL-WAYNESBURG	ML - 000.00	- 085.80	MON LINE	243
WAYNESBURG-LACK	WY - 001.10	- 027.10	WAYNESBURG BRANCH	261
BROWNSVILLE-LOVE	LR - 000.00	- 079.60	LOVERIDGE SEC.	267
MONONGAHELA-MARIANNA	EL - 000.00	- 019.40	ELLSWORTH SEC.	283
COKEBURG JCT-84 MINE	XC - 000.00	- 002.60	COKEBURG I.T.	287
CLIFF-FEDERAL MINE #2	YN - 000.00	- 006.00	MIRACLE RUN BR.	288
WANA-BLACKSVILLE MINE #2	WX - 000.00	- 001.50	WANA SPUR	290
MON LINE-LOVERIDGE	OC - 058.00	- 058.60	O TRACK	291
YELLOW CREEK-POWHATAN	RO - 000.00	- 060.50	RIVER LINE	292
CP RIVER-CP BRANCH	YP - 000.00	- 001.00	YELLOW CREEK R.T.	305
STEEL-MINGO YARD	WR - 039.30	- 049.50	WEIRTON SEC.	306
WEIRTON-NEWELL	NW - 003.00	- 019.20	NEWELL I.T.	309
WEIRTON JCT-WELLSBURG	DL - 000.00	- 007.20	WELLS I.T.	313
POWHATAN-ALLEDONIA	OP - 000.00	- 015.70	CAPTINA SEC.	315
FRENCH-COALBURG	MI - 105.50	- 150.80	MEADVILLE LINE	319
WHEATLAND-SHARPVILLE	MJ - 066.00	- 073.00	WHEATLAND I.T.	329
SHENANGO-JAMESTOWN	XL - 080.90	- 081.70	WHEATLAND I.T.	331
PERRY-END (CPI)	PA - 000.00	- 008.57	FAIRPORT BRANCH	332
EXPLANATION OF GRAPHIC DISPLAY CONVENTIONS				334
APPENDIX - 3RD & 4TH MAIN MAINTENANCE DATA				338

PITTSBURGH DIVISION

INDEX BY LINE NAME

DESCRIPTION	FROM	TO	LINE	PAGE
PORTAGE-SONMAN	EQ - 000.00	- 002.50	BENS CREEK I.T.	184
CP ALLIANCE-ALLIANCE YARD	JE - 022.90	- 024.70	BENTON I.T.	242
CP ALUM-DIAS	JM - 000.00	- 017.50	BLAIRSVILLE SEC.	203
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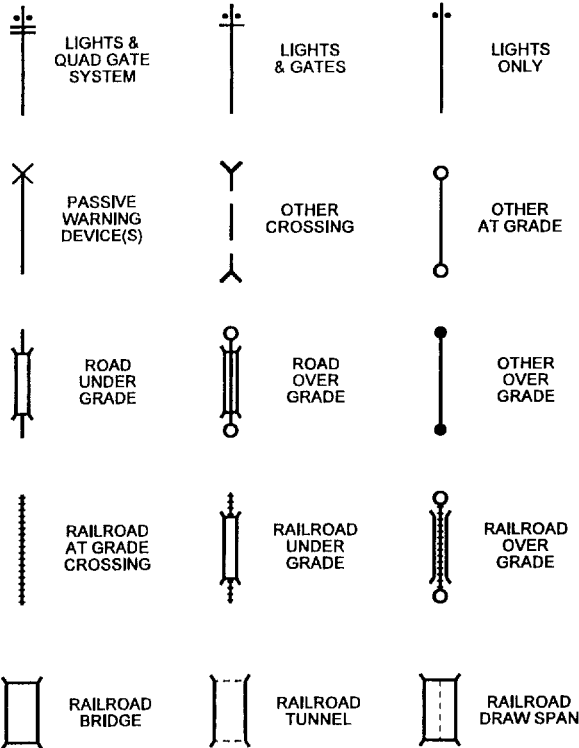
PITTSBURGH DIVISION

INDEX BY MILEPOST

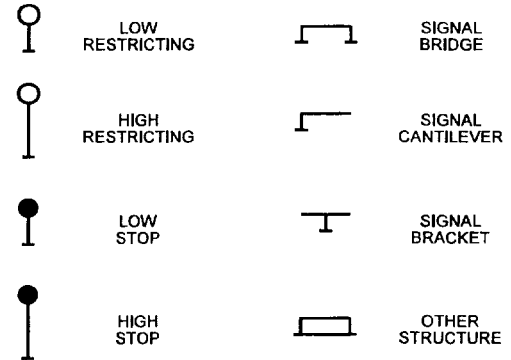
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TRACK CHART SYMBOL LEGEND

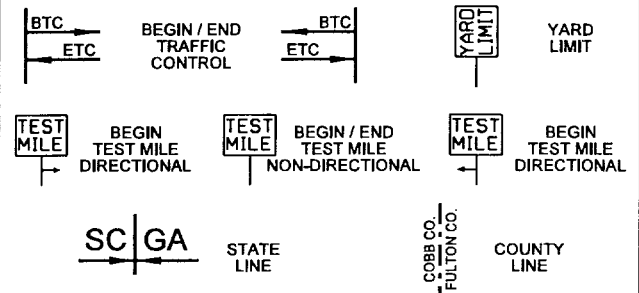
RIGHT OF WAY CROSSINGS



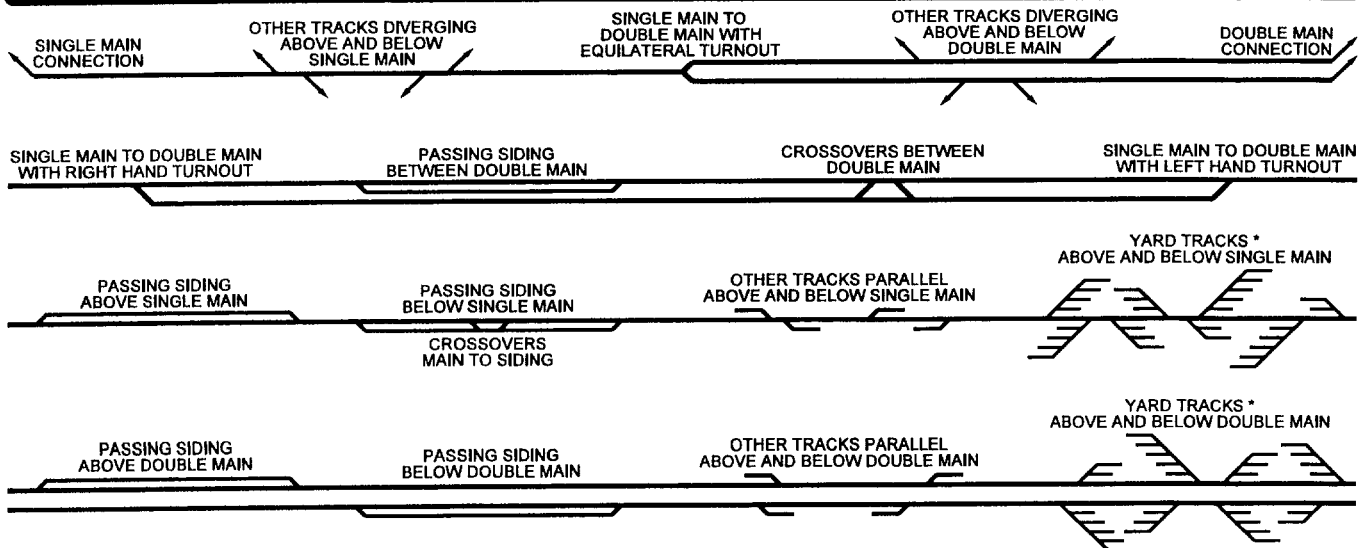
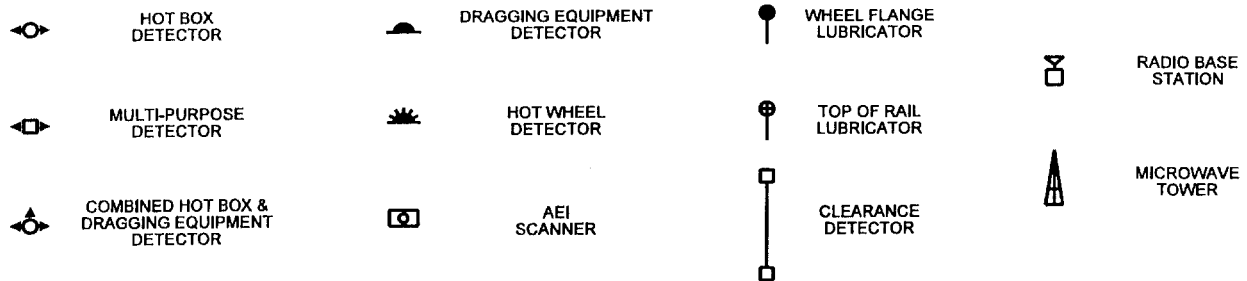
SIGNAL TYPES & SIGNAL STRUCTURES



TERRITORY MARKERS



TRACK & COMMUNICATION EQUIPMENT



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

08/30/2007

402102

001

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT120

3947'

T&S-04/03

T&S-03/03

98NW136S

01NW136S

92NW136S

92NW136S

→ 44.4(55.9#1)

← 67.4(55.9#2)

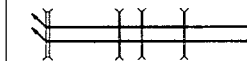
CP CANNON

BEGIN HARRISBURG DIV
119.16-1MAB-50'

119.45-1MAB-24'

119.54-1MAB-24'

119.71-1MAB-24'



JUNIATA CREEK

ANN ST

BROADWAY AVE

CHERRY ST

CURVATURE

#1

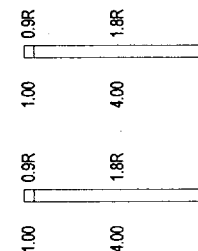
ALIGNMENT

ELEVATION

#2

FREIGHT SPEED
TANGENT
(CURVE)

GRADE



50

50

+0.11

08/30/2007

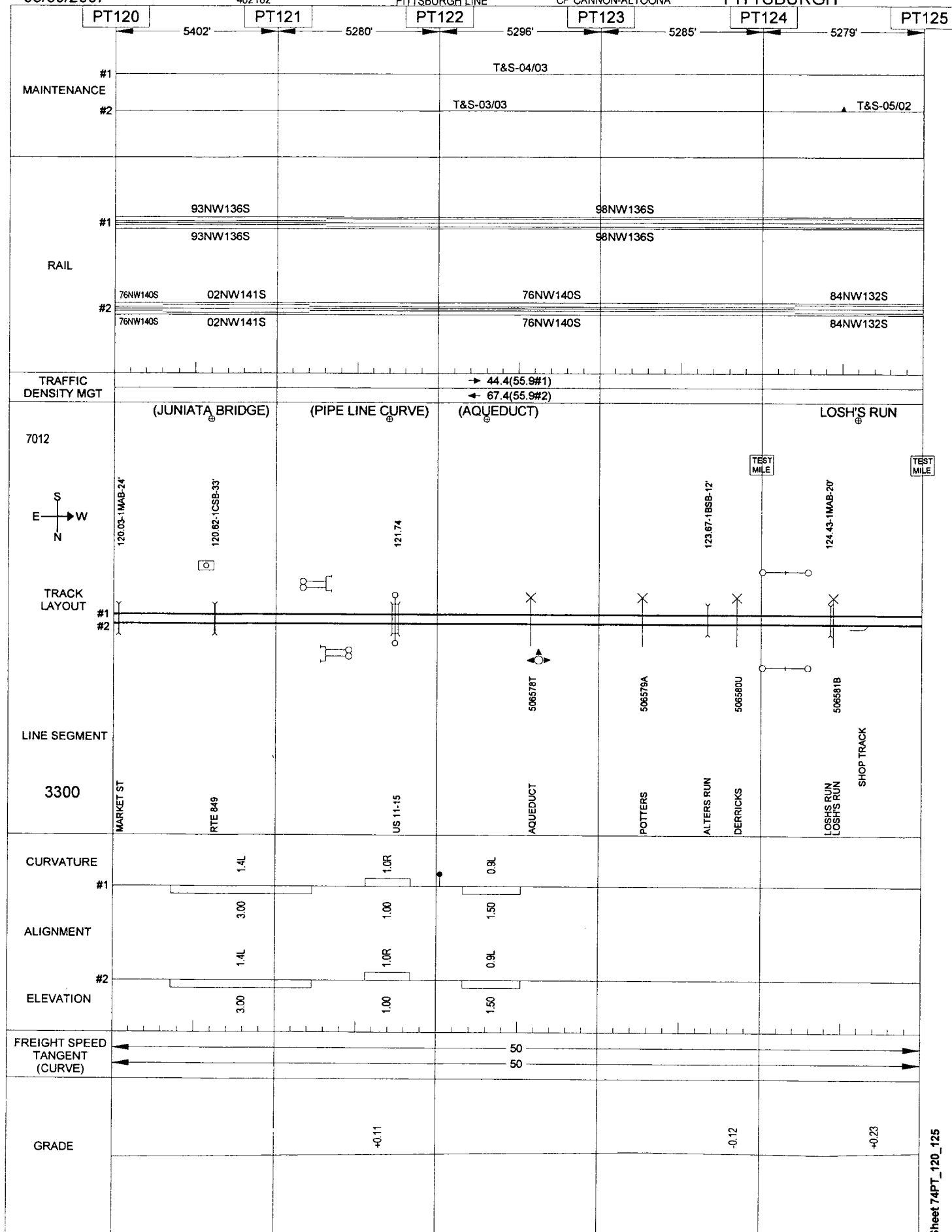
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PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



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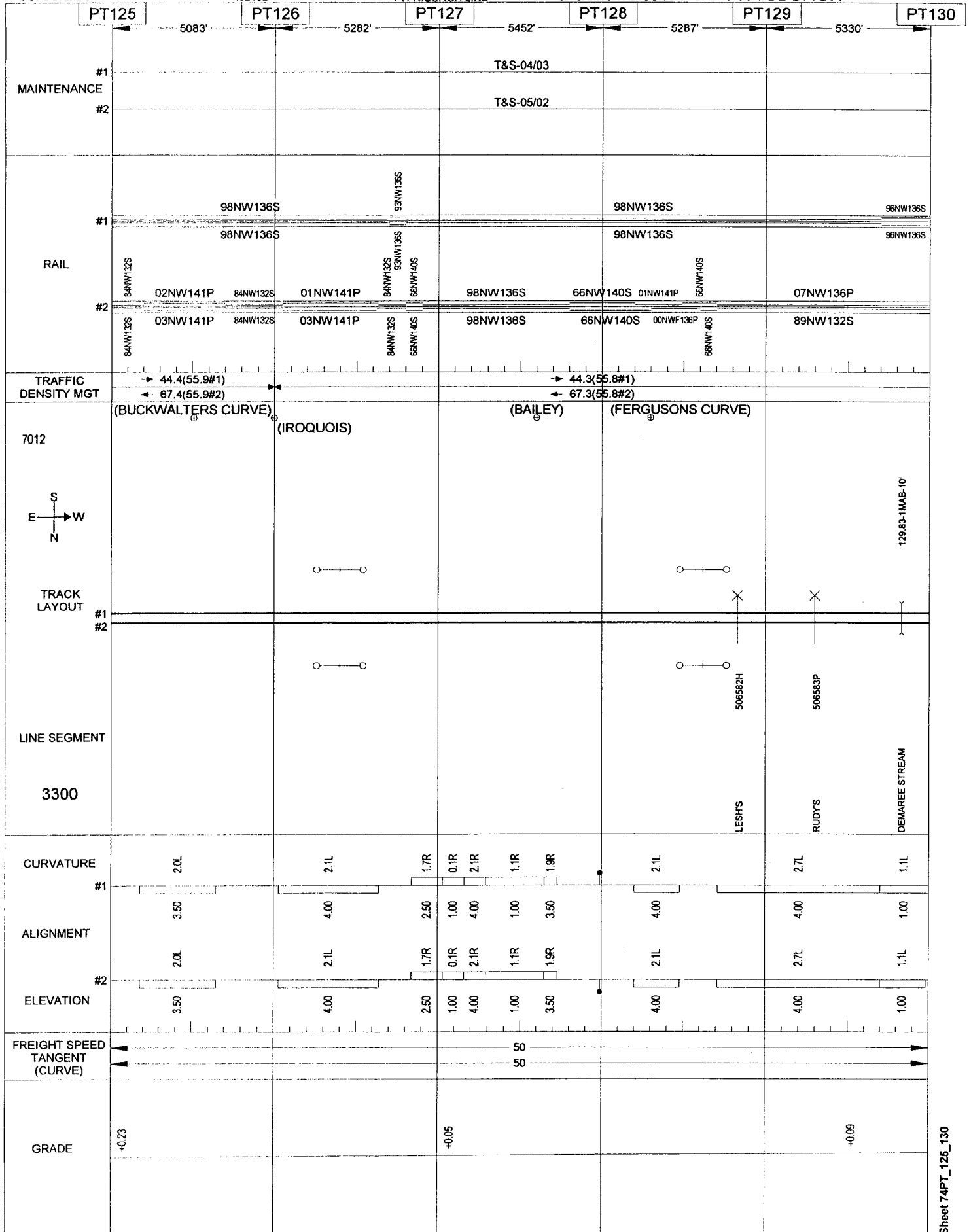
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PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



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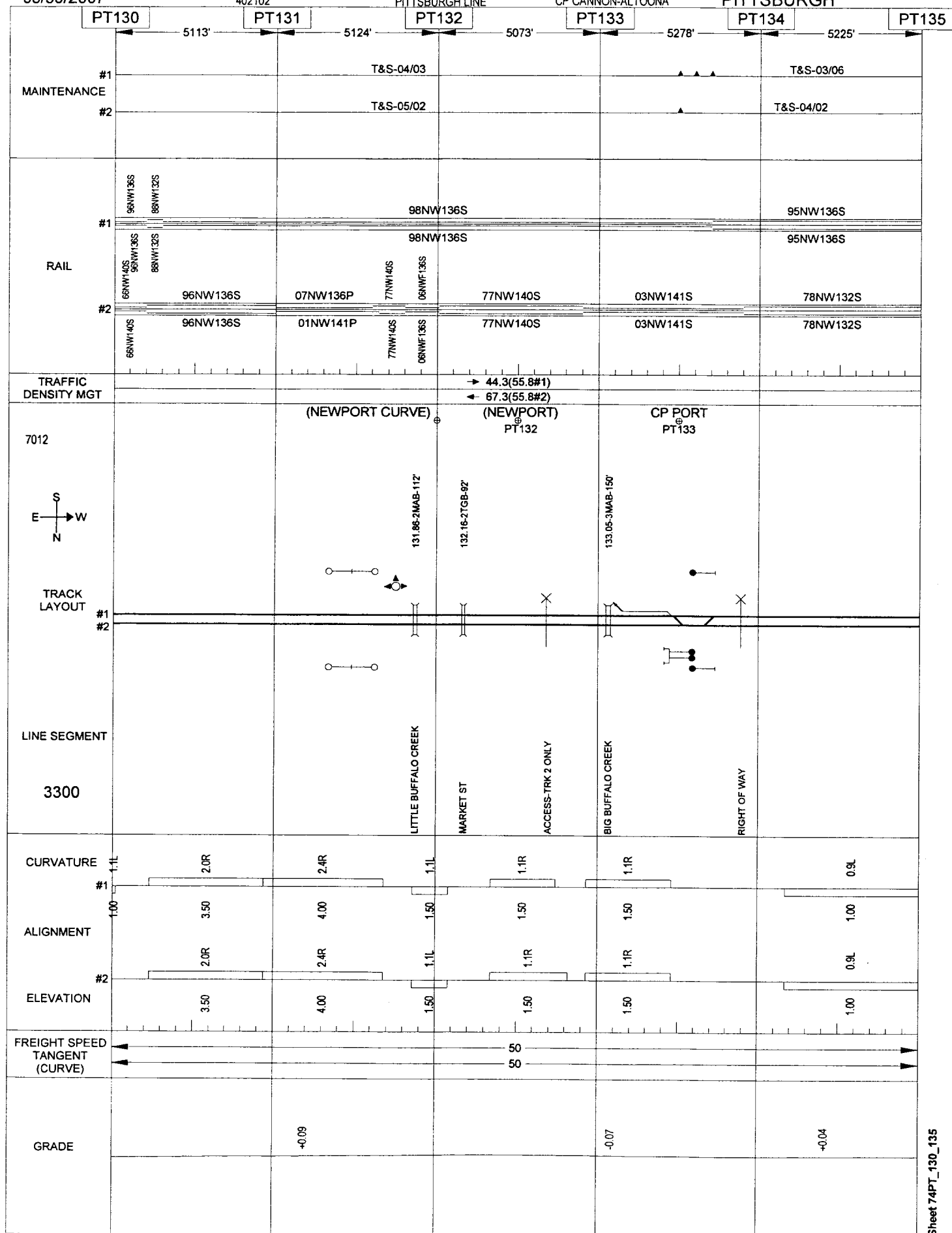
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PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



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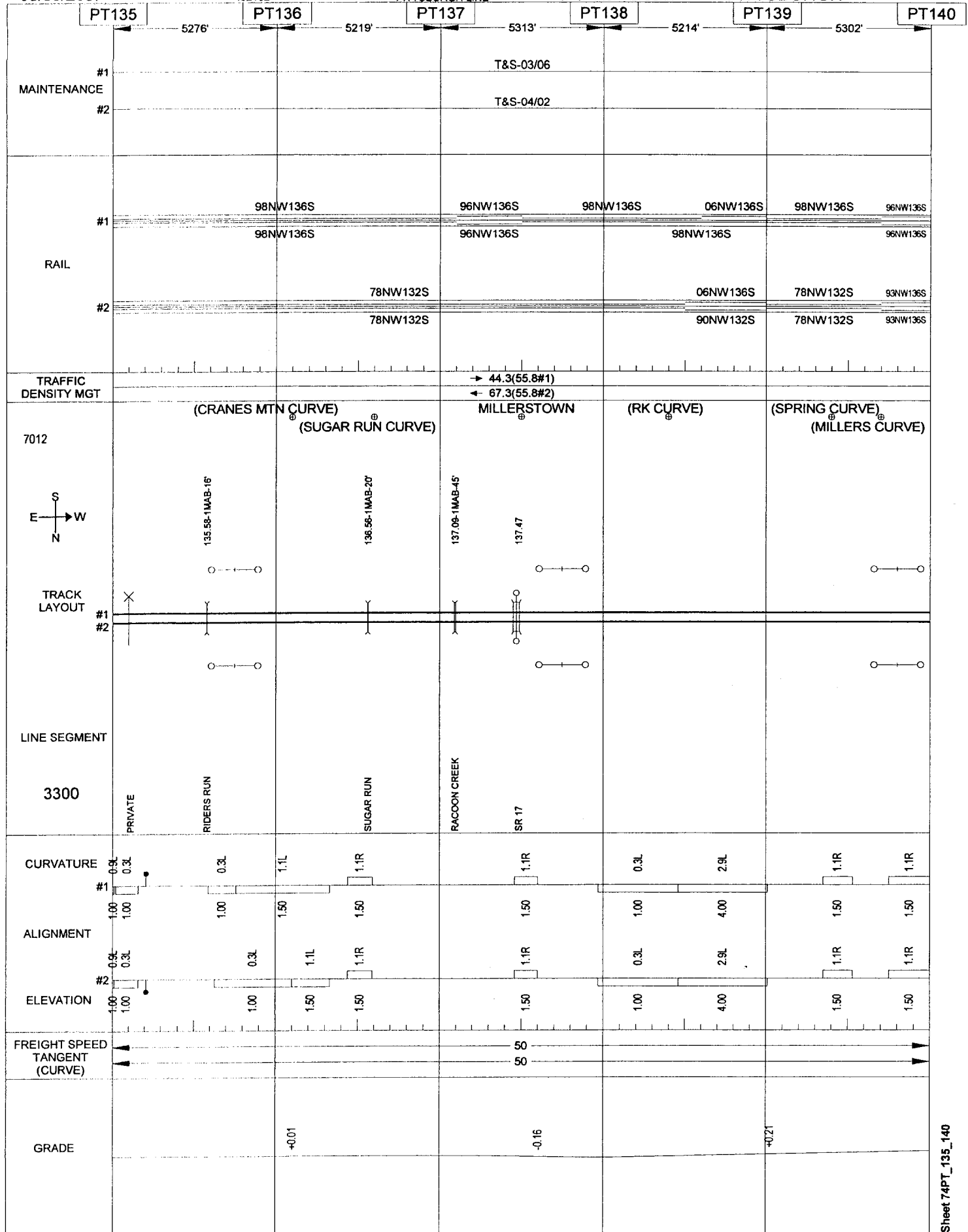
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PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



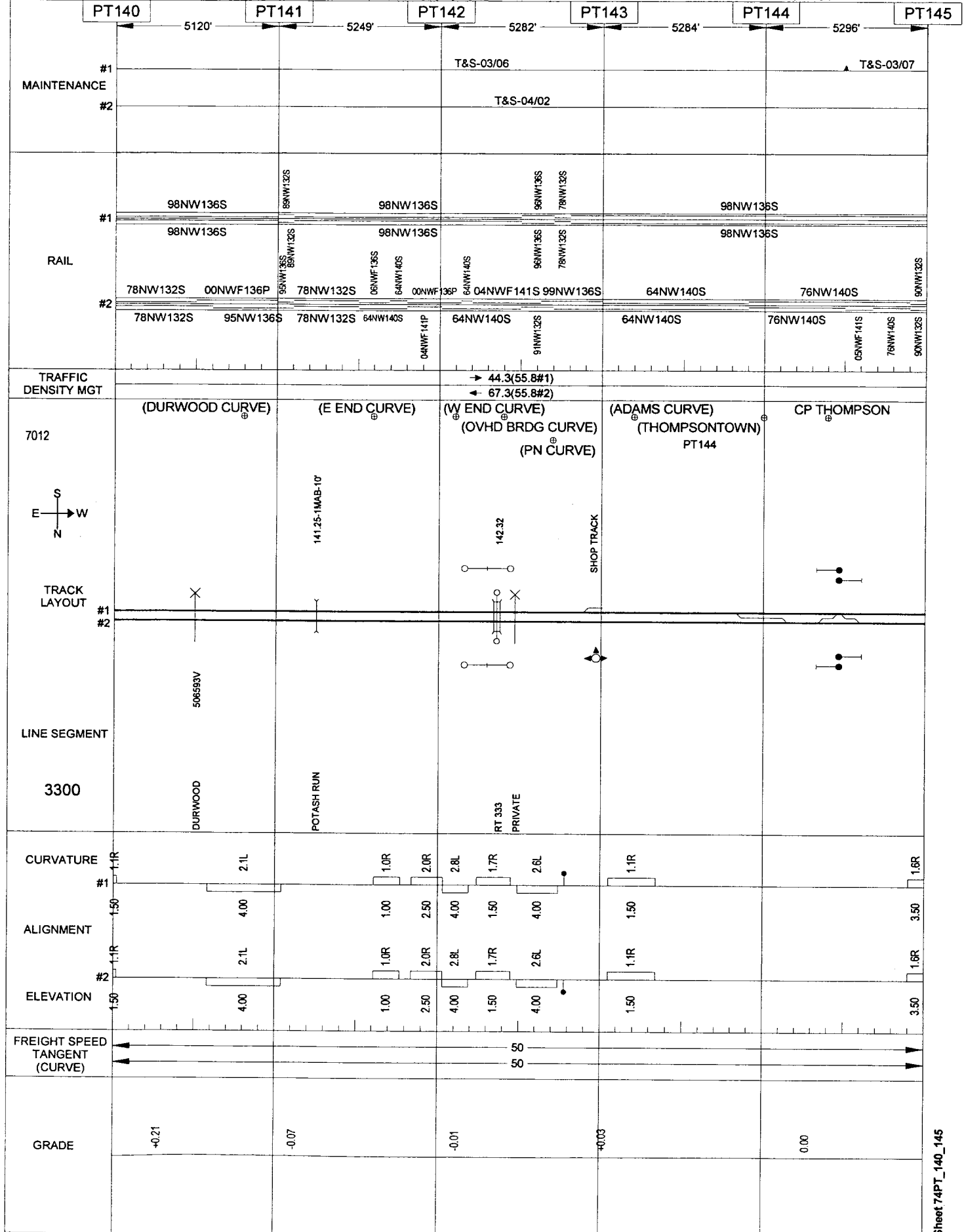
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PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

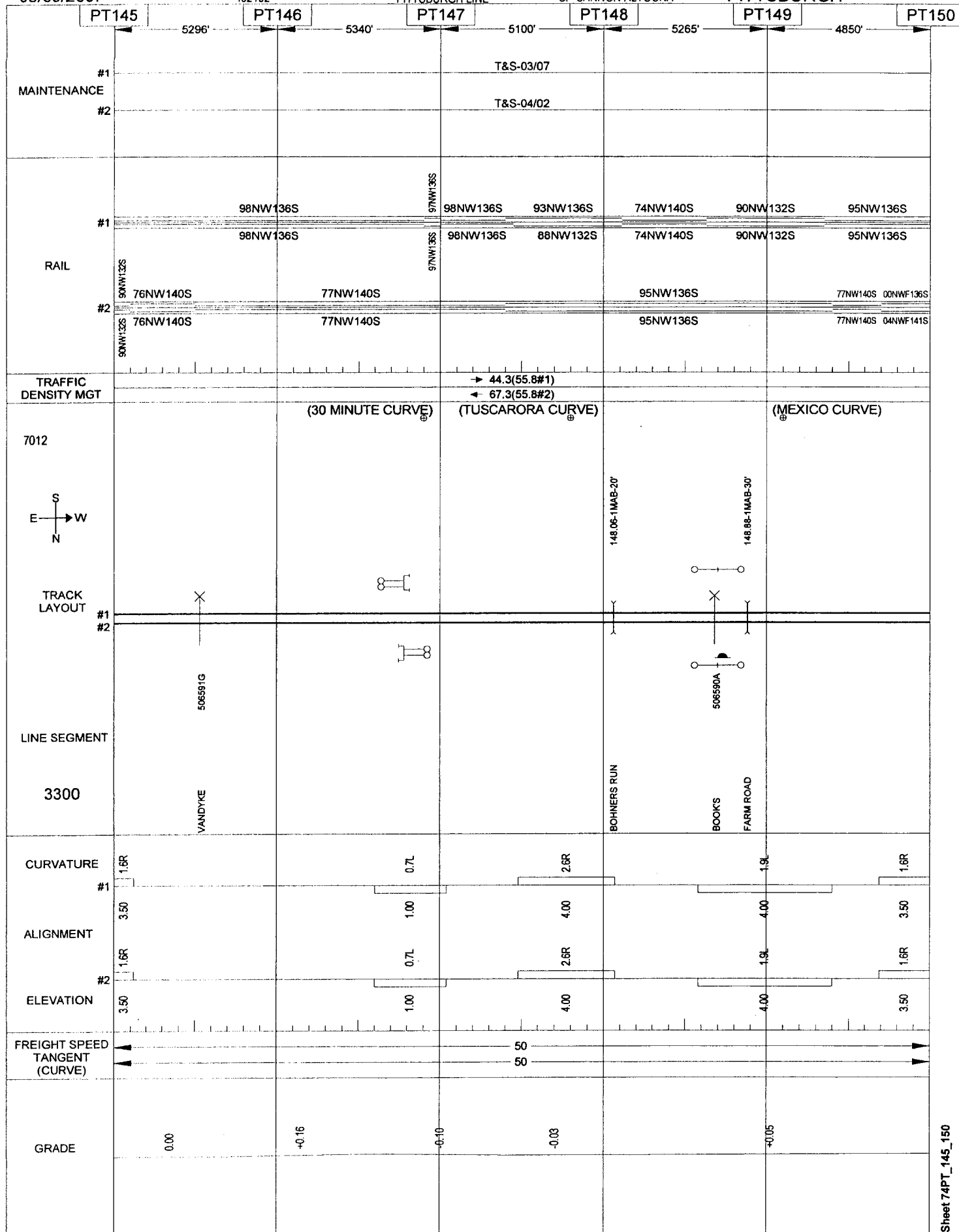
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007

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



PT150

PT151

PT152

PT153

PT154

PT155

- 5167' -

- 5270'

- 5331'

— 5210'

5280'

155

T&S-03/07

T&S-04/02

T&S-03/06

RAIL

TRAFFIC
DENSITY MGT

7012

PORT ROYAL

(CASNERS CURVE)
(STONE HOUSE CURVE)

CP MIFFLIN

(W. MIFFLIN)
(BRICK YARD)

TRACK LAYOUT

LINE SEGMENT

3300

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

19

14

①

19

10

3

5

08/30/2007

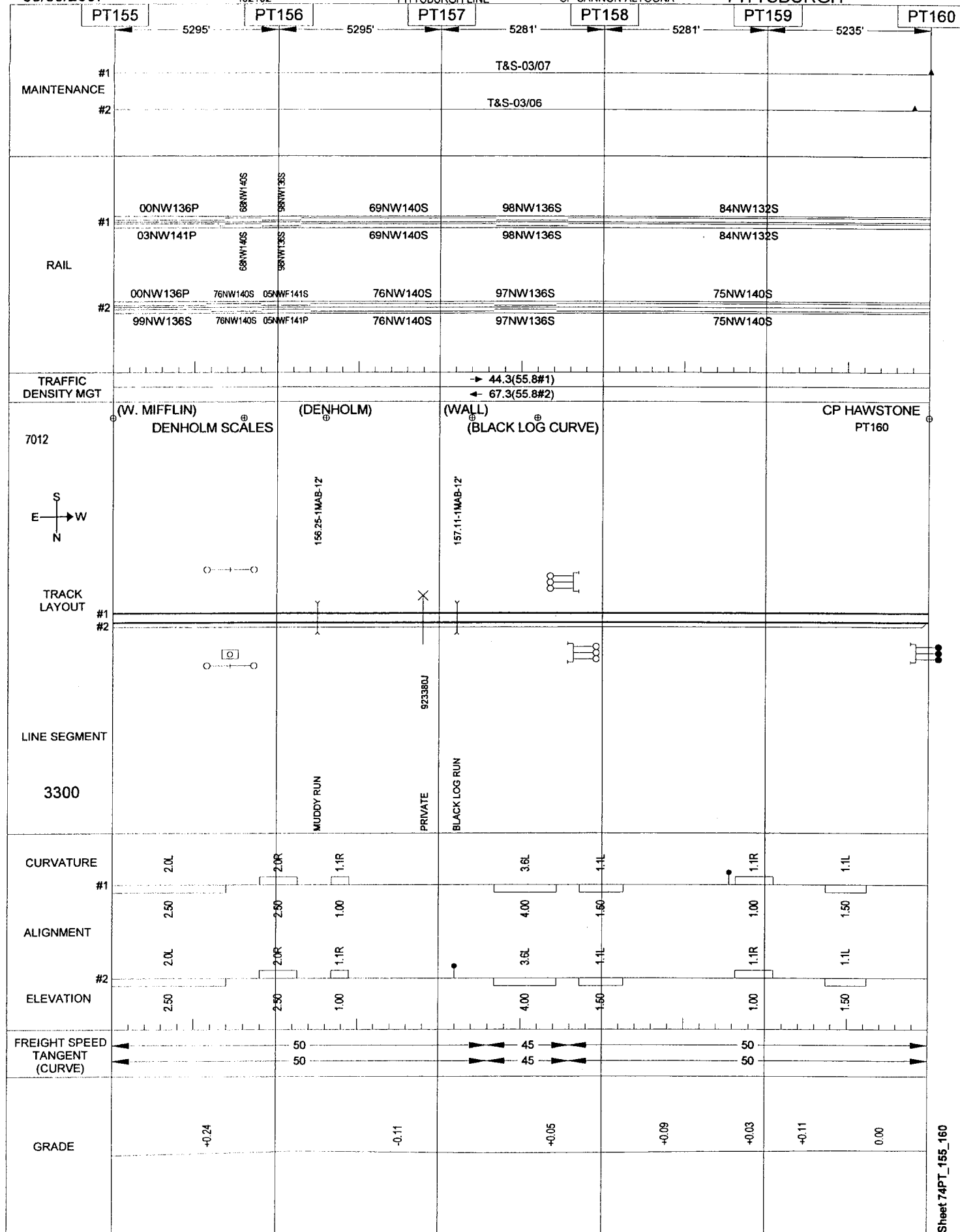
402102

009

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

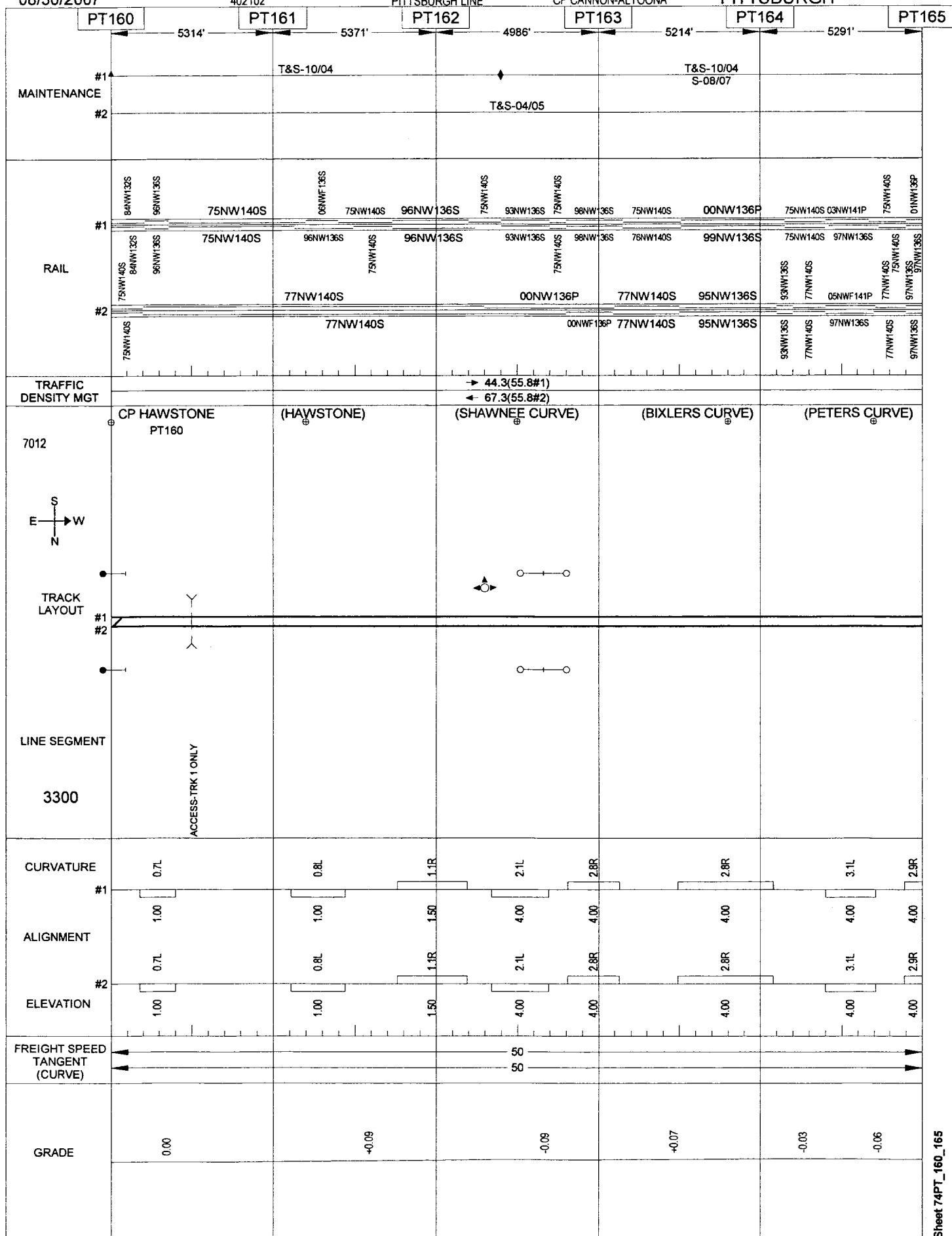
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010

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

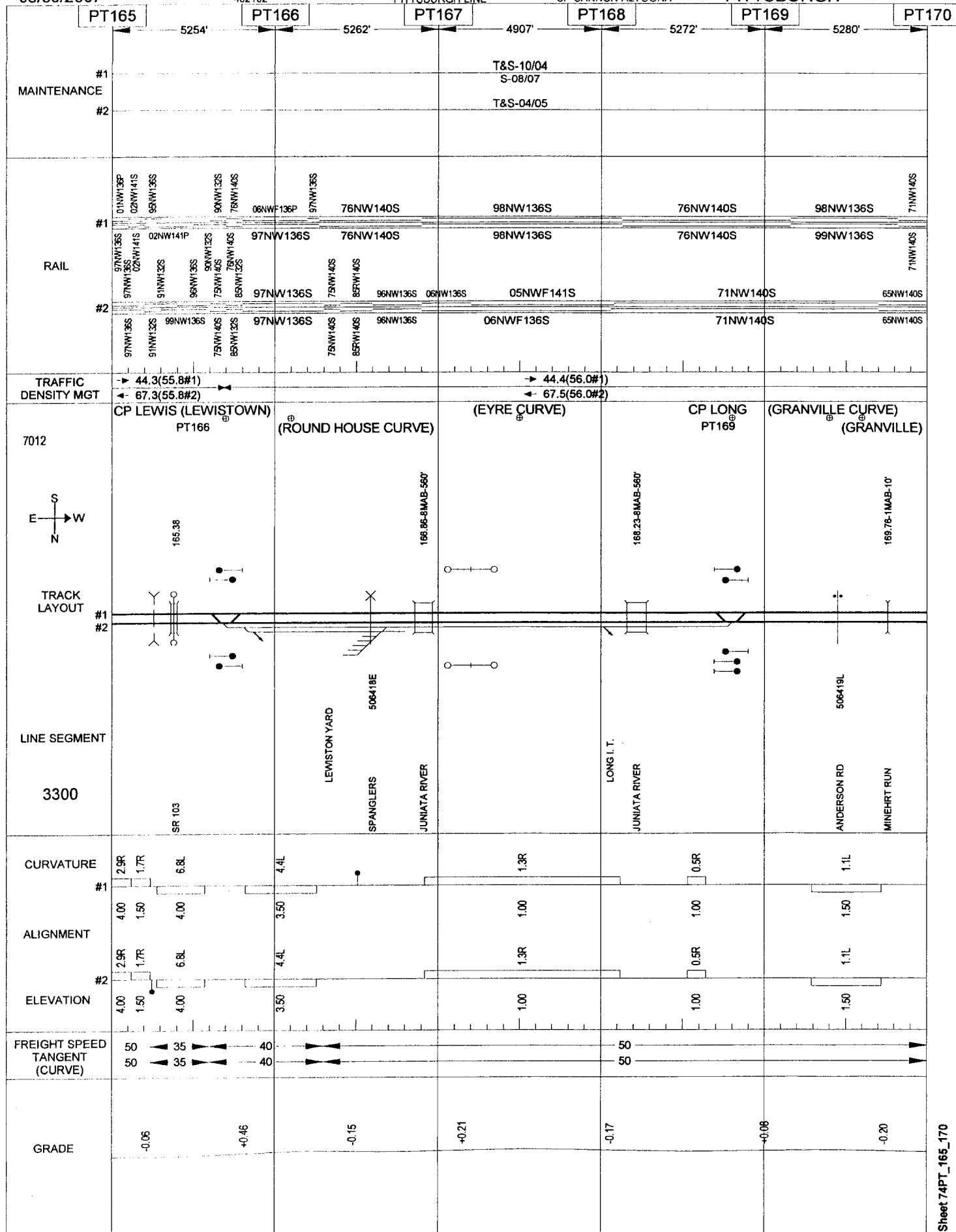
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011

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

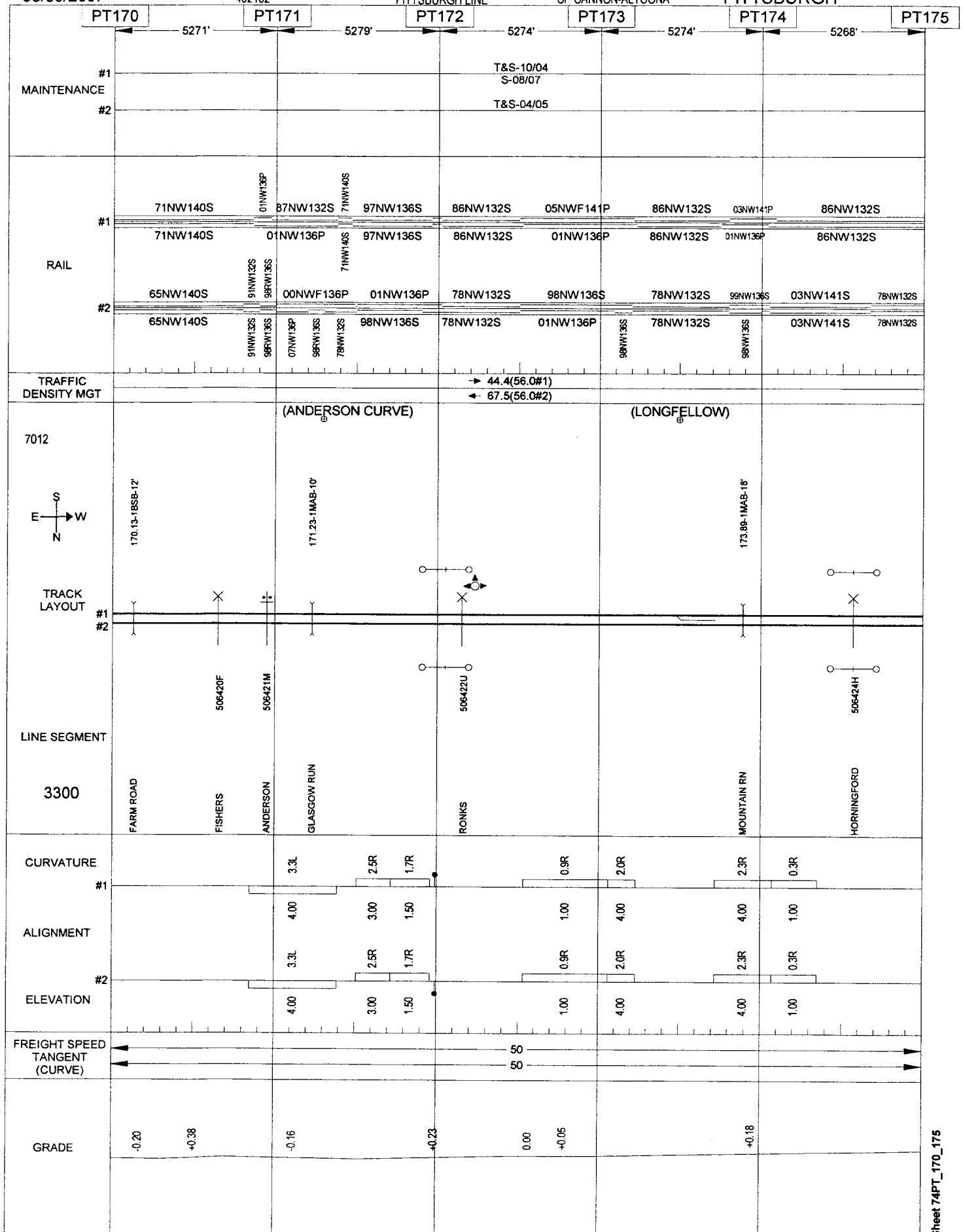
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PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

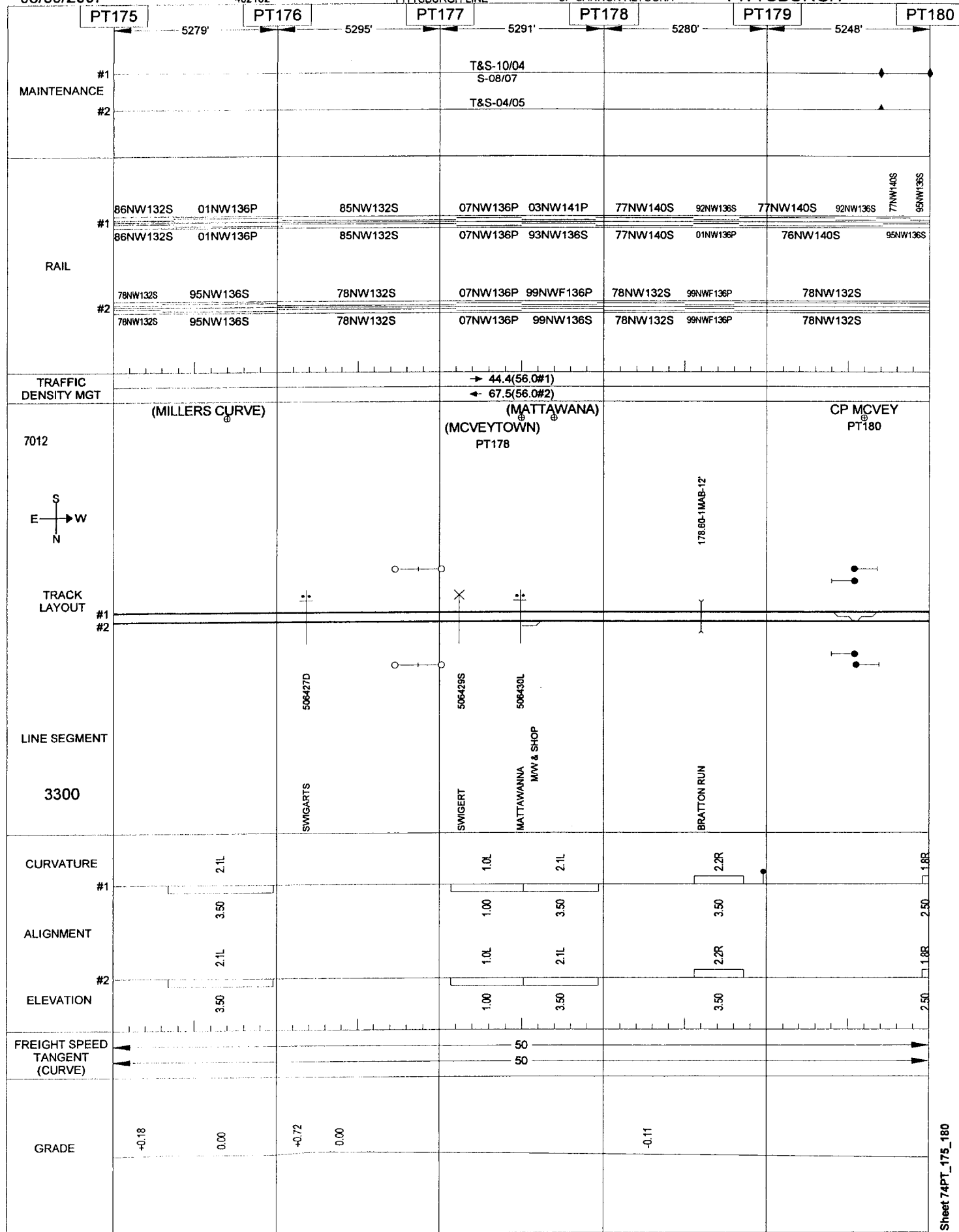
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013

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

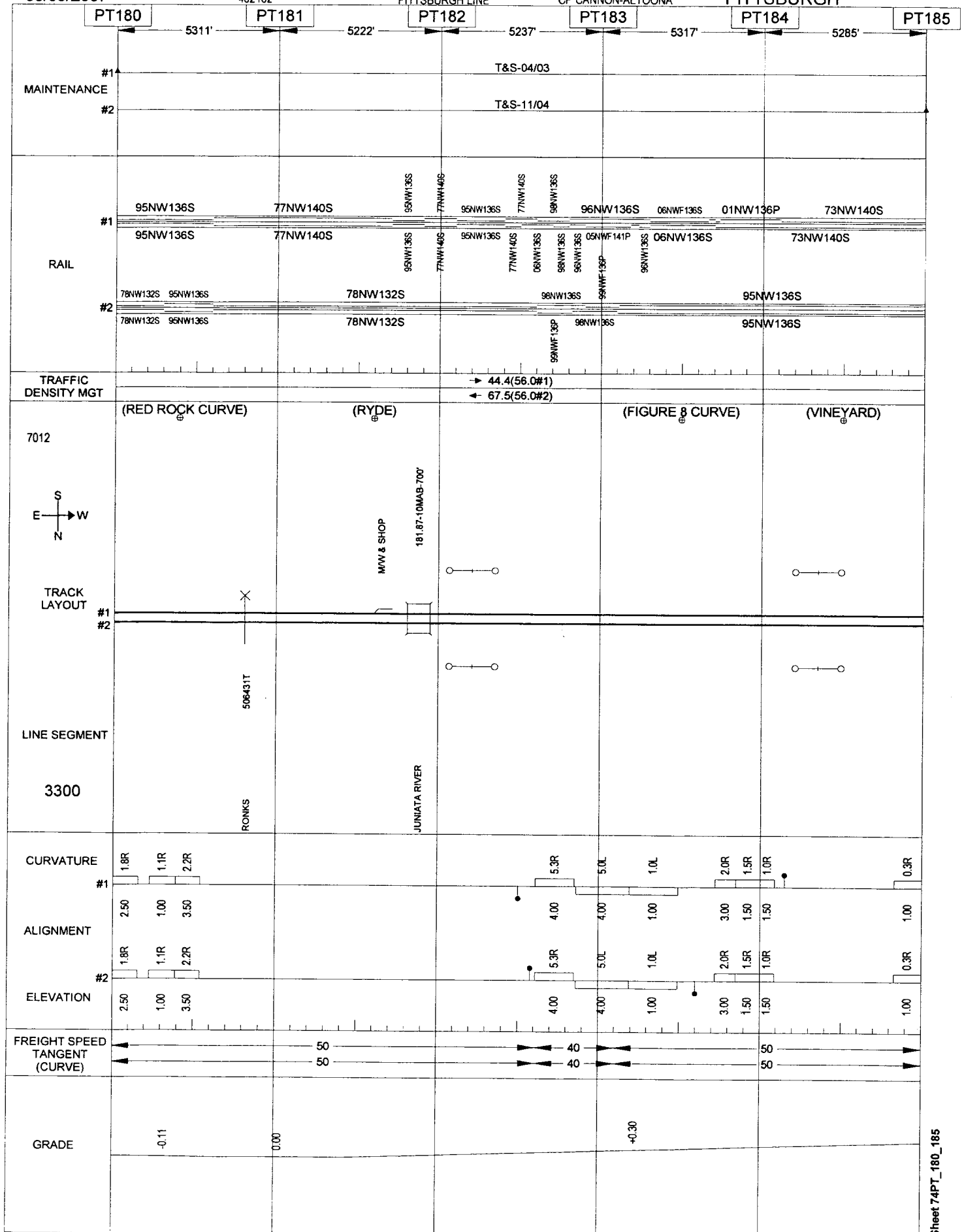
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014

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

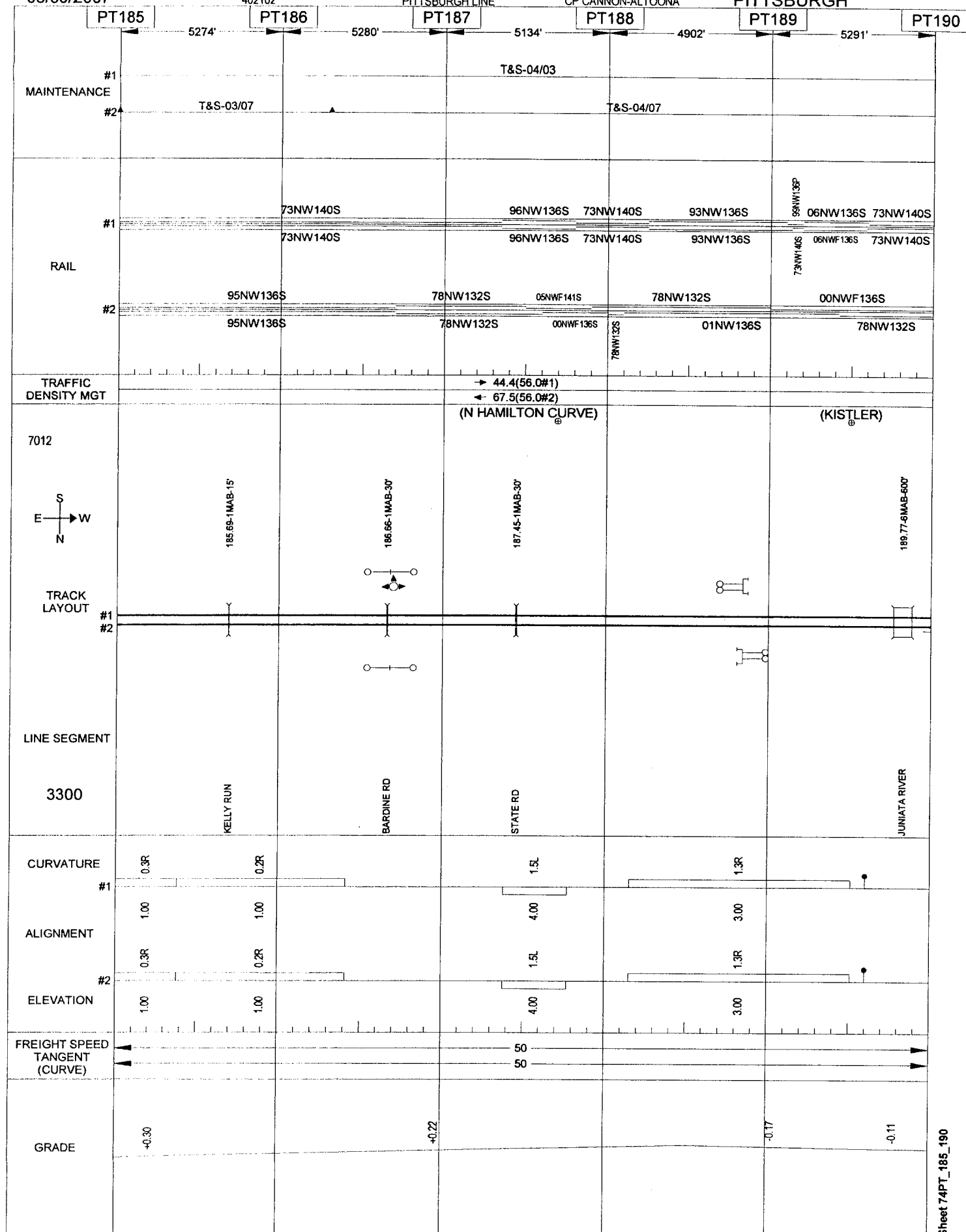
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015

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

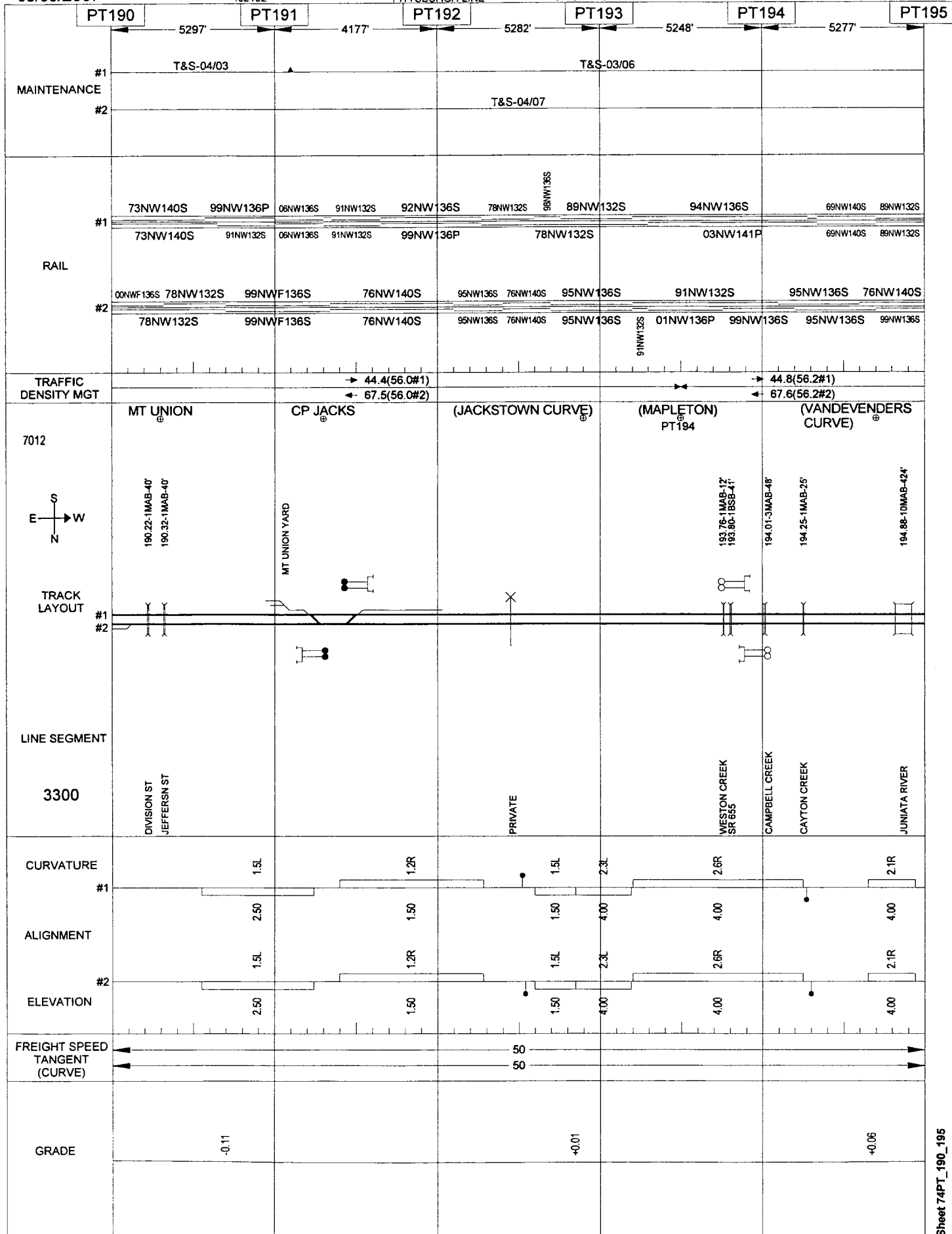
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016

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

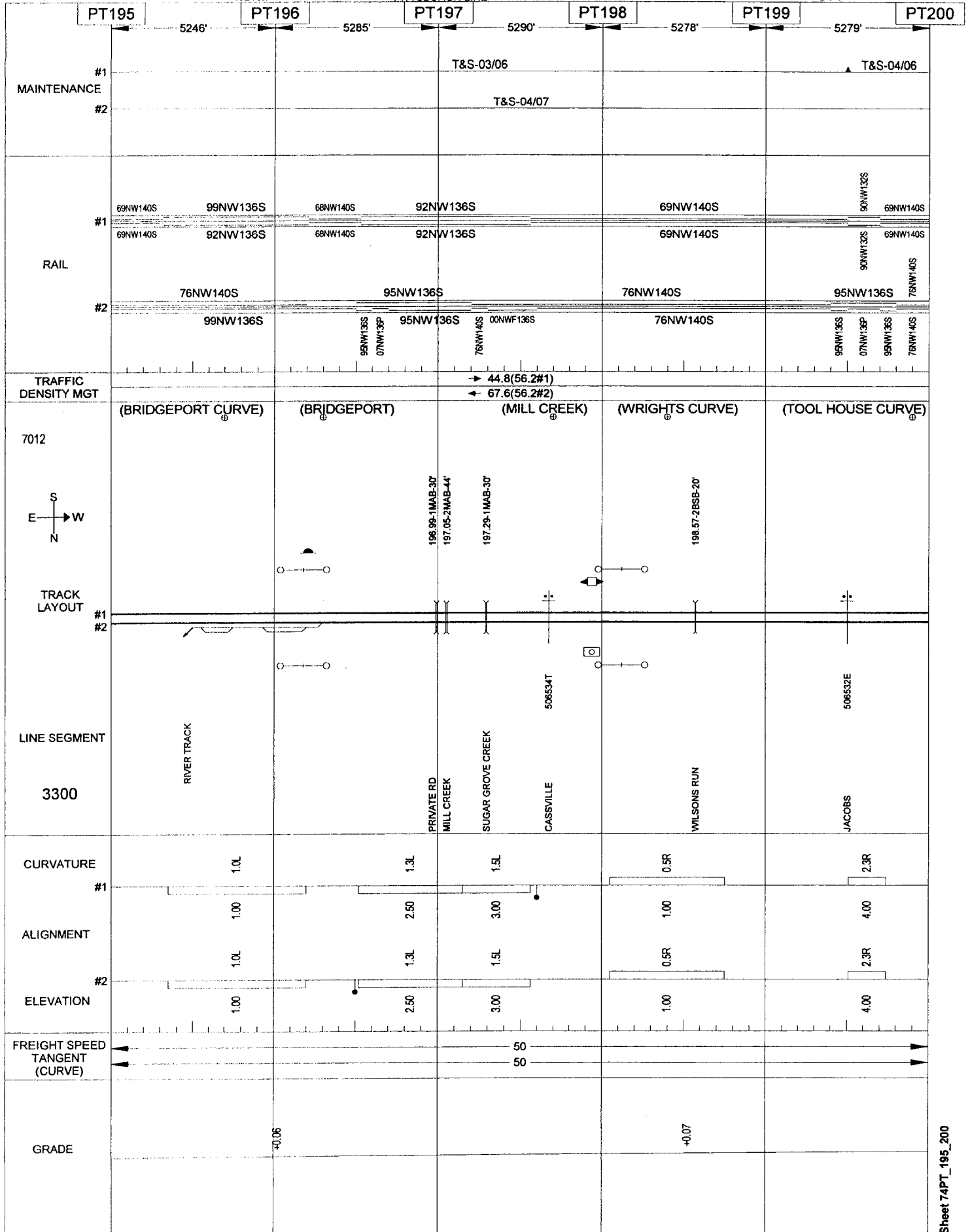
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017

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

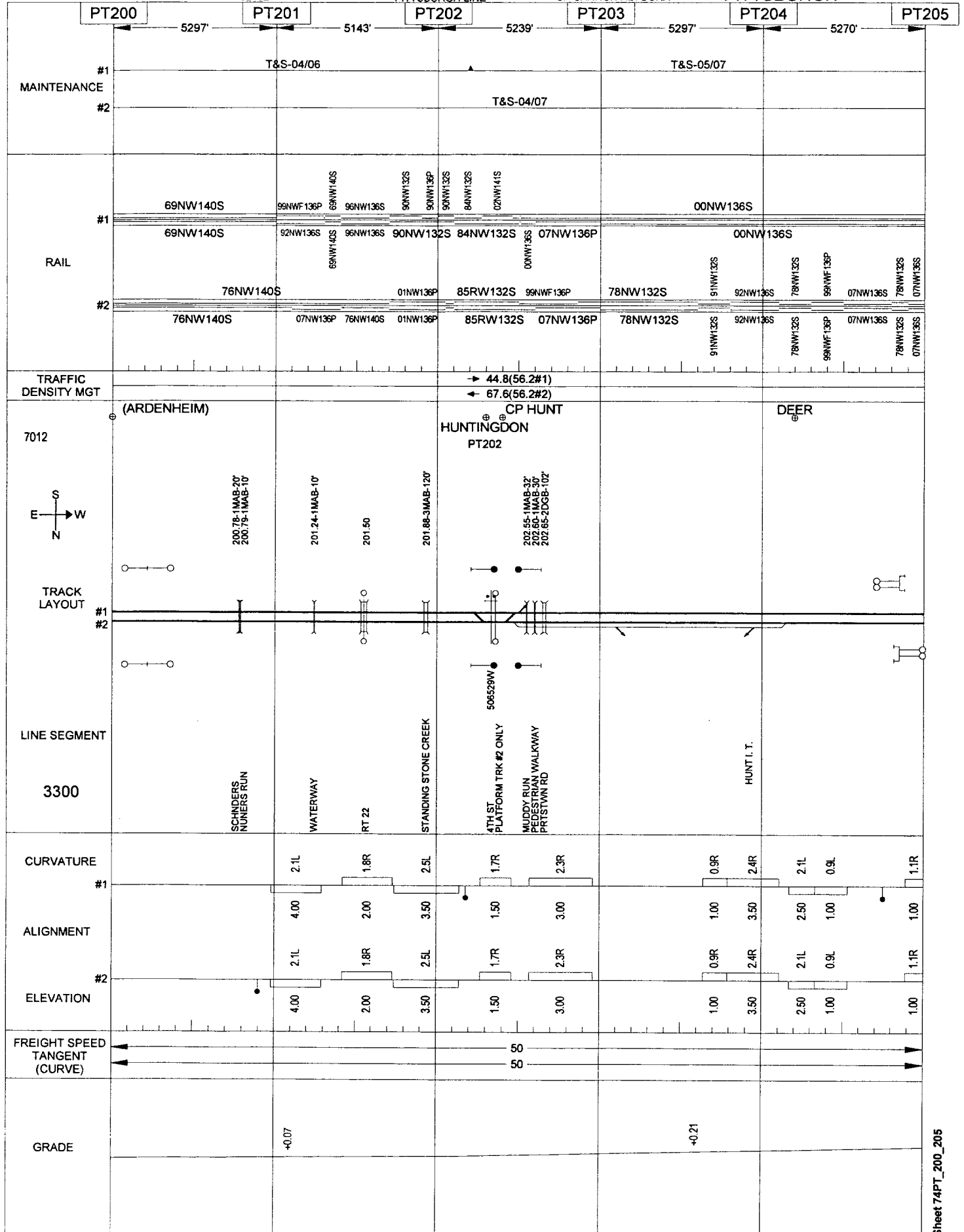
402102

018

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

402102

019

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH

PT205

PT206

PT207

PT208

PT209

PT210

5277'

5277'

5287'

5290'

5285'

MAINTENANCE
#1
#2

T&S-05/07

T&S-06/07

T&S-04/07

RAIL
#1
#2

00NW136S

00NW136S

07NW136S

96NW136S

78NW136S

01NW136P

78NW136S

88NW136S

98NW136S

78NW132S

93NW136S

76NW140S

07NW136S

78NW132S

07NW136S

96NW136S

78NW136S

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78NW136S

07NW136P

98NW136S

78NW132S

93NW136S

76NW140S

03NW141S

78NW132S

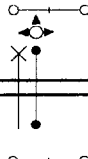
TRAFFIC
DENSITY MGT→ 44.8(56.2#1)
← 67.6(56.2#2)

7012

(CULLENS CURVE)
(LOWER MYTON CURVE)

(UPPER MYTON CURVE)

(PETERSBURG)

TRACK
LAYOUT
#1
#2

506527H

WARRIOR-RIDGE
OLD SIGNAL BRIDGE

208.80-3MAG-120'

208.80-1CAB-12'

LINE SEGMENT

3300

CURVATURE

#1

3.8L

2.1L

2.8R

2.3L

2.8L

1.2L

2.5L

1.3R

ALIGNMENT

#2

3.8L

2.1L

2.8R

2.3L

2.8L

1.2L

2.5L

1.3R

ELEVATION

#1

4.00

2.50

4.00

3.00

4.00

1.00

3.00

2.50

FREIGHT SPEED
TANGENT
(CURVE)

50

45

45

50

50

GRADE

+0.21

+0.18

+0.50

-0.11

-0.12

+0.40

+0.20

-0.05

PT210

PT211

PT212

PT213

PT214

PT215

— 5289' —

- 5122'

- 5215'

— 5264'

— 5190'

15

MAINTENANCE

T&S-06/07

T&S-04/07

T&S-05/07

#1

RAIL

112

TRAFFIC
DENSITY MGT

7012

TRACK LAYOUT

#1

LINE SEGMENT

3300

CURVATURE

#1

ALIGNMENT

#2

FREIGHT SPEED
TANGENT
(CURVE)

50

50

3

3-

GRADE

0.05

38

08/30/2007

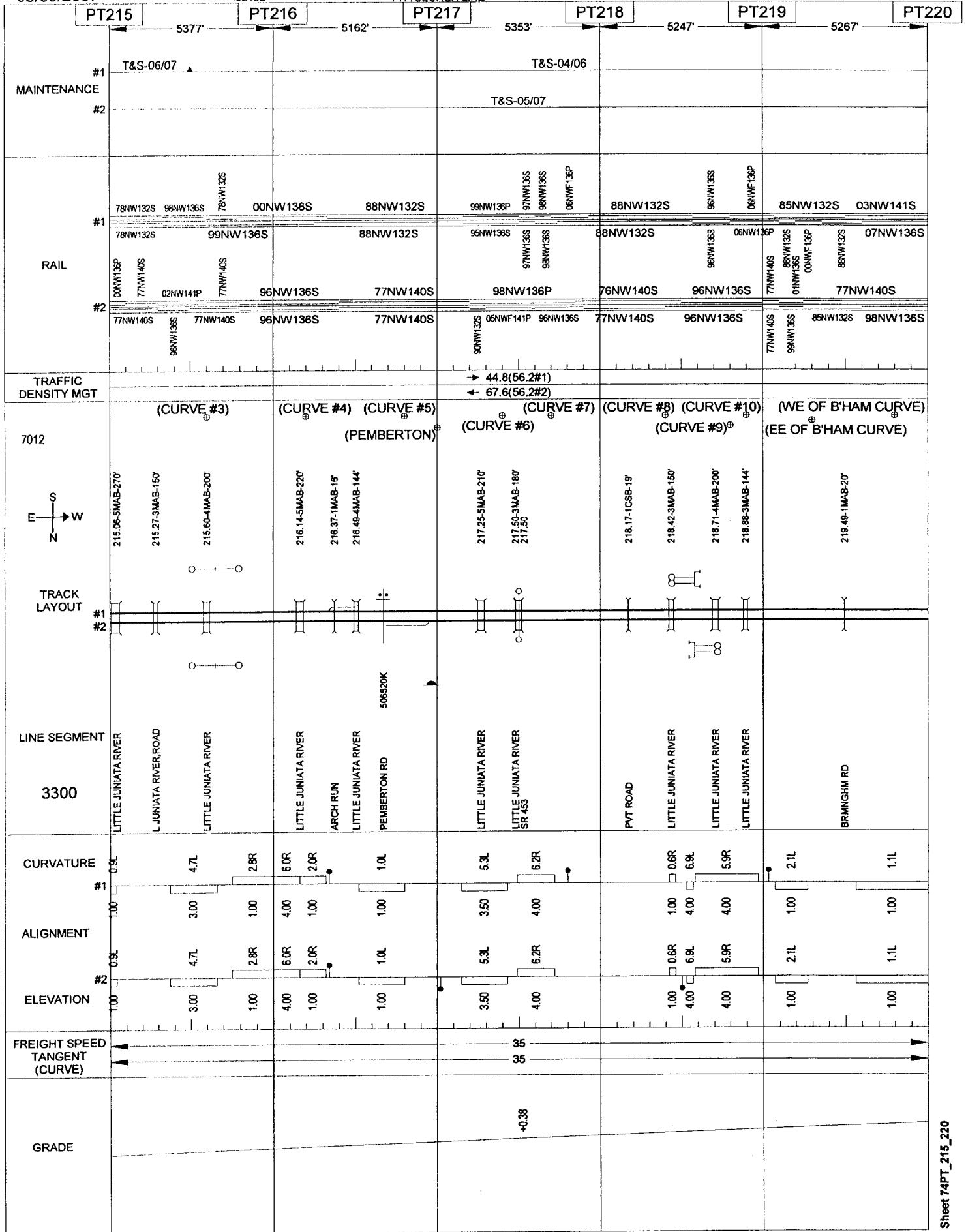
402102

021

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

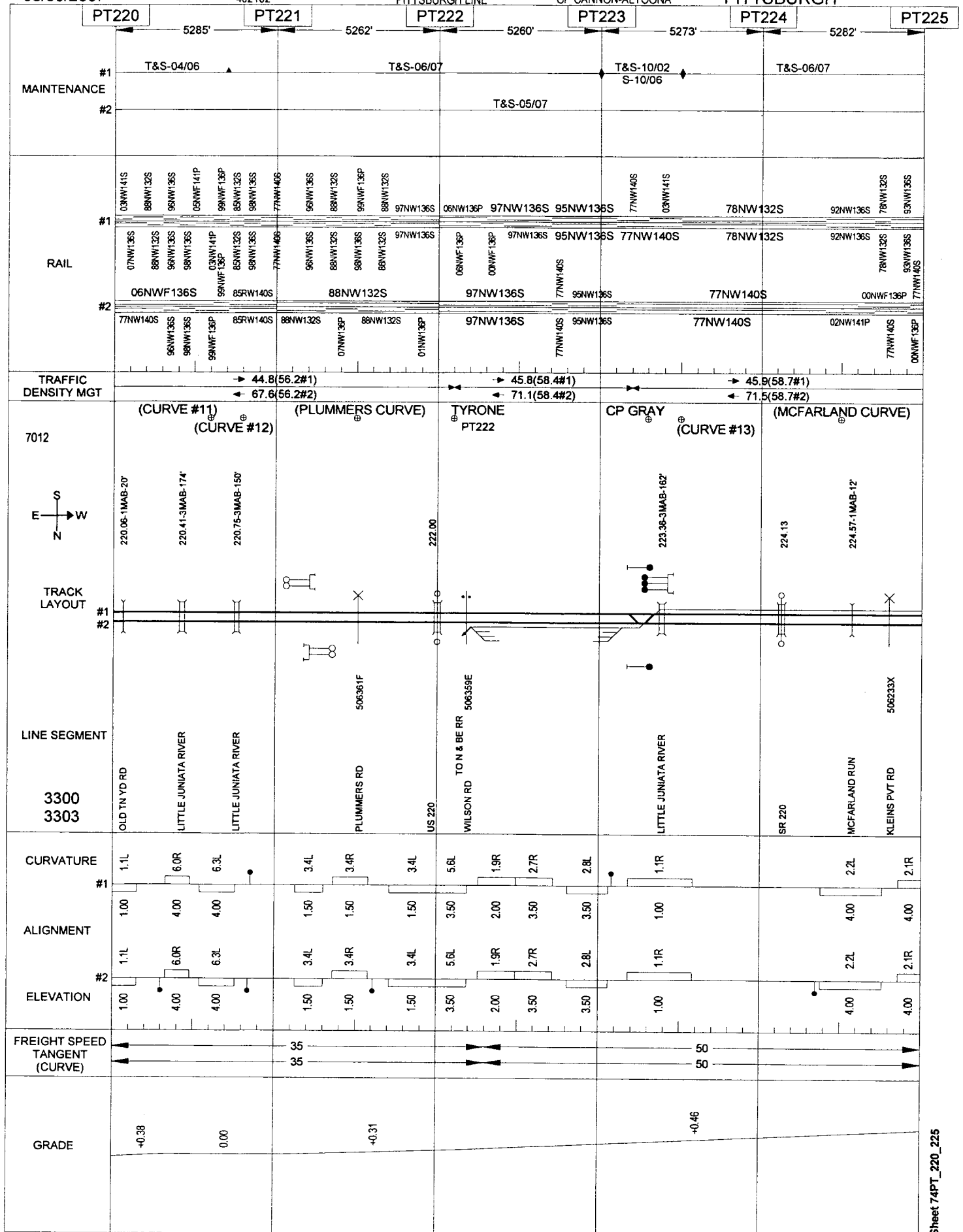
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022

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



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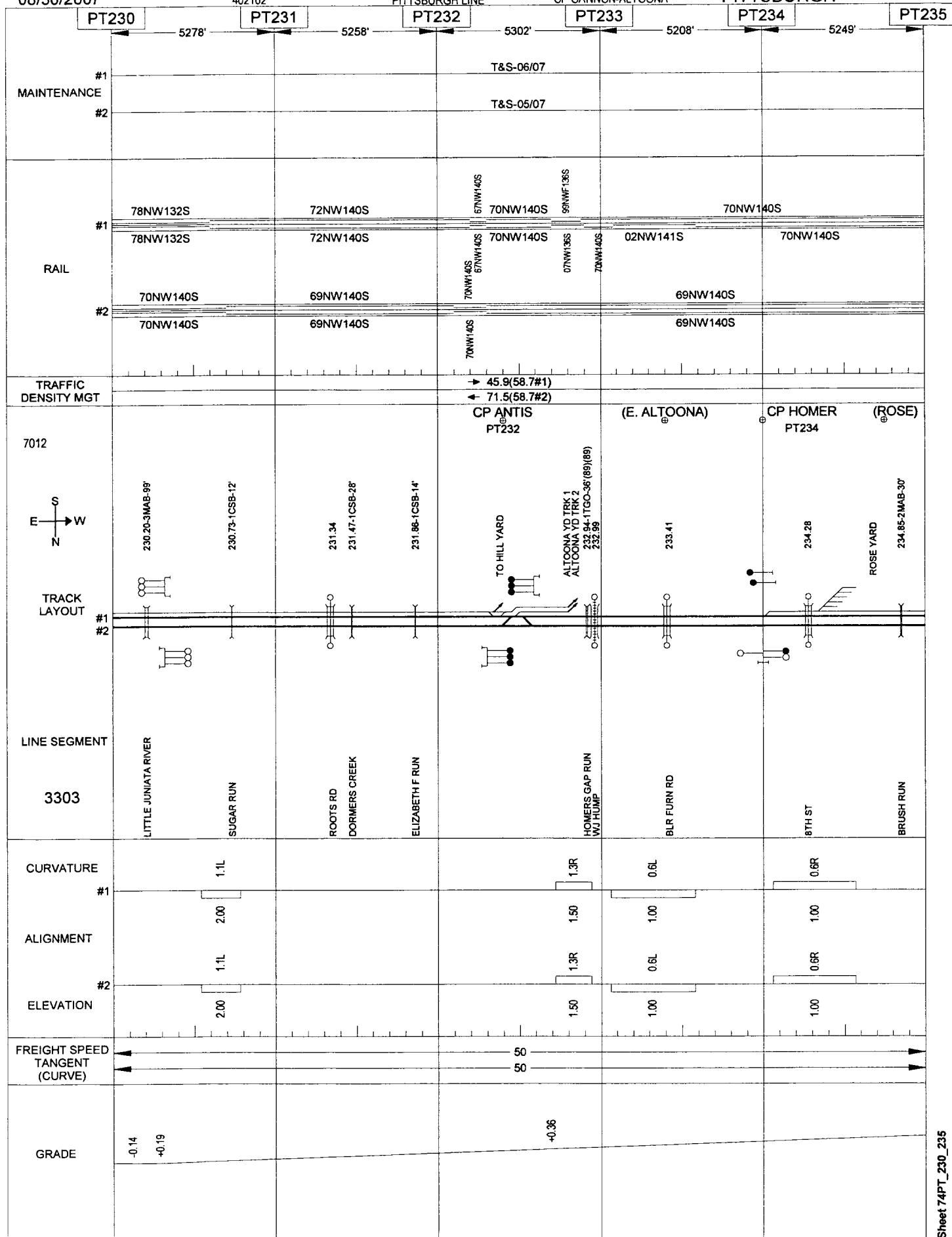
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024

PITTSBURGH LINE

CP CANNON-ALTOONA

PITTSBURGH



08/30/2007

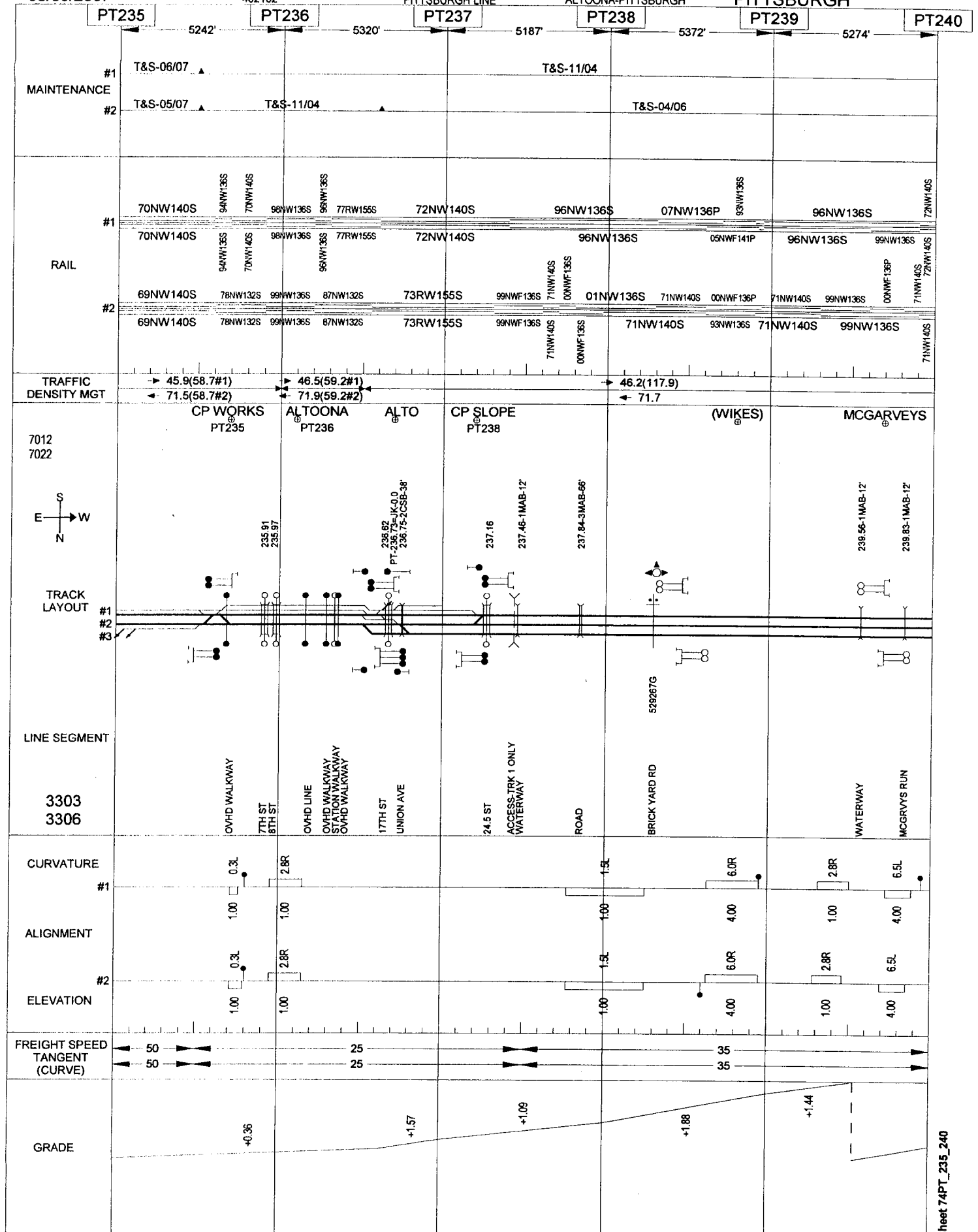
402102

025

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

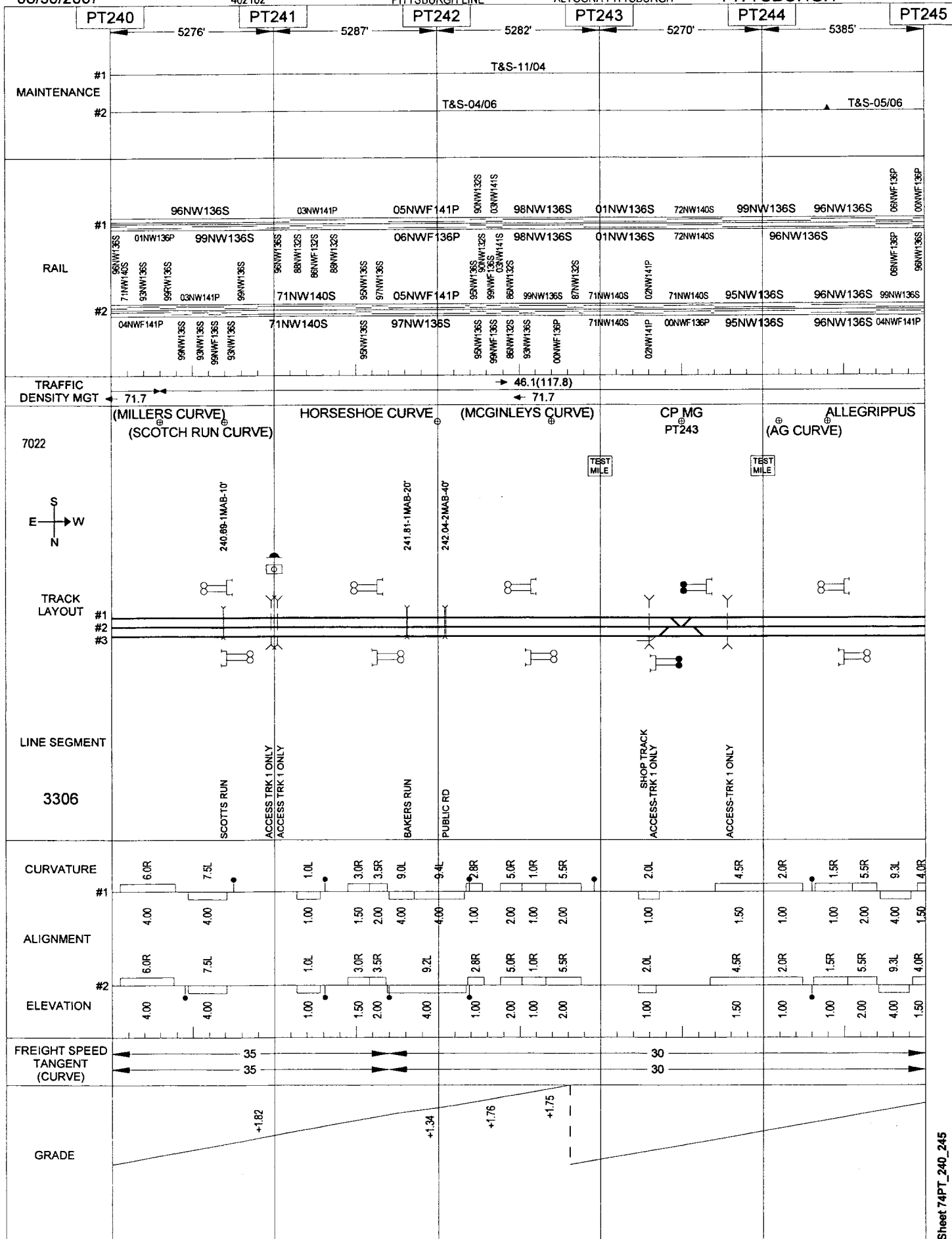
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026

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



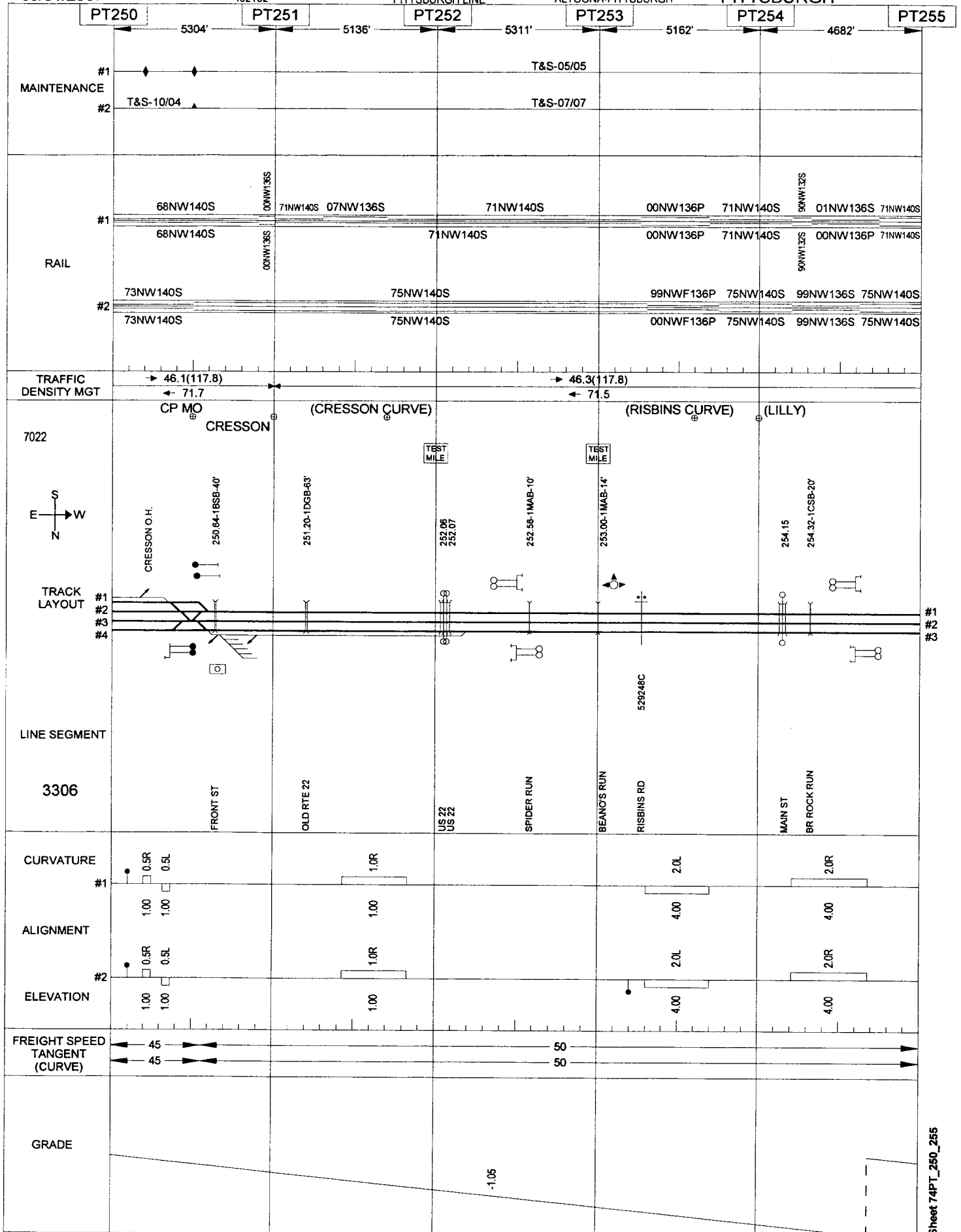
08/31/2007

028

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

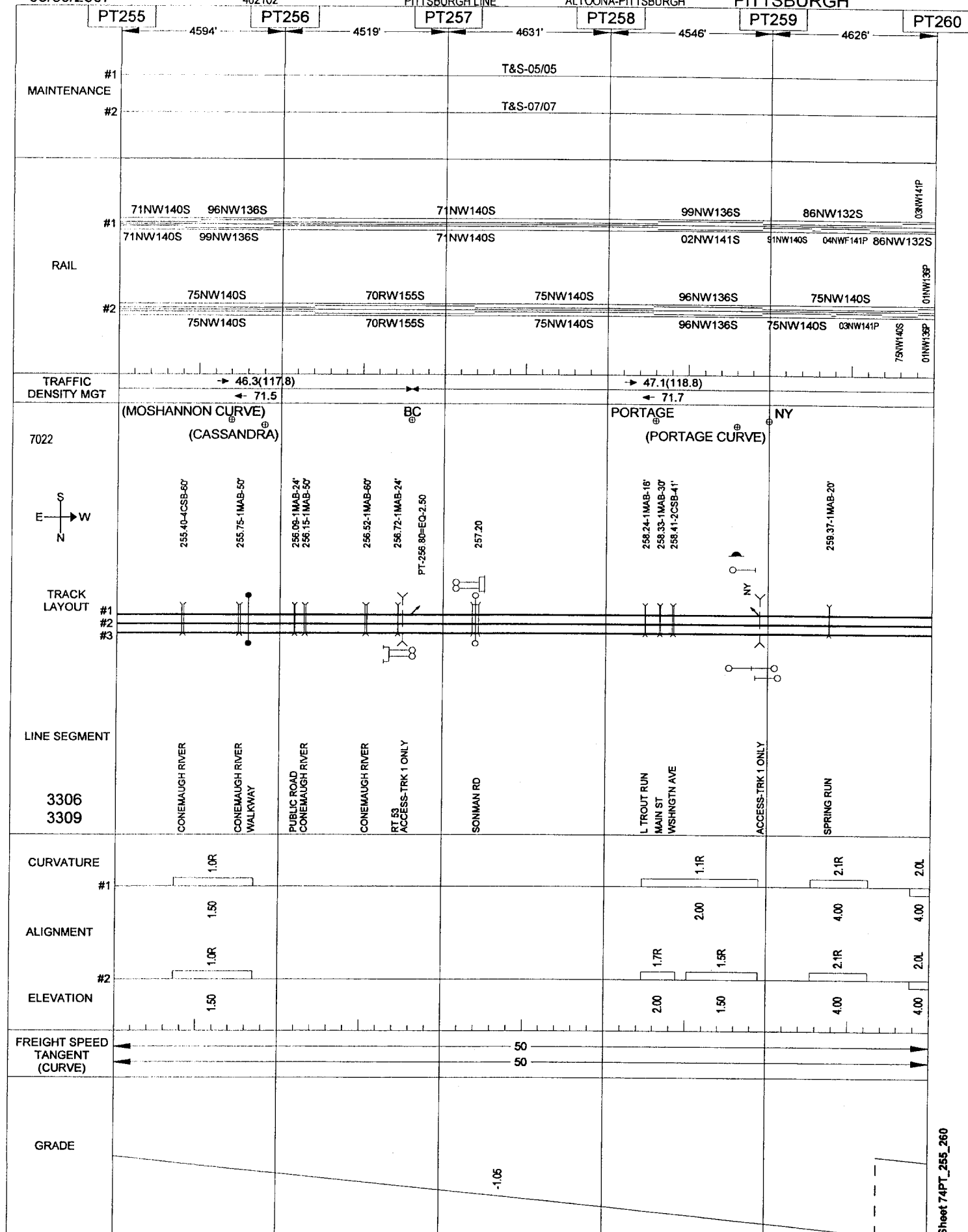
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029

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

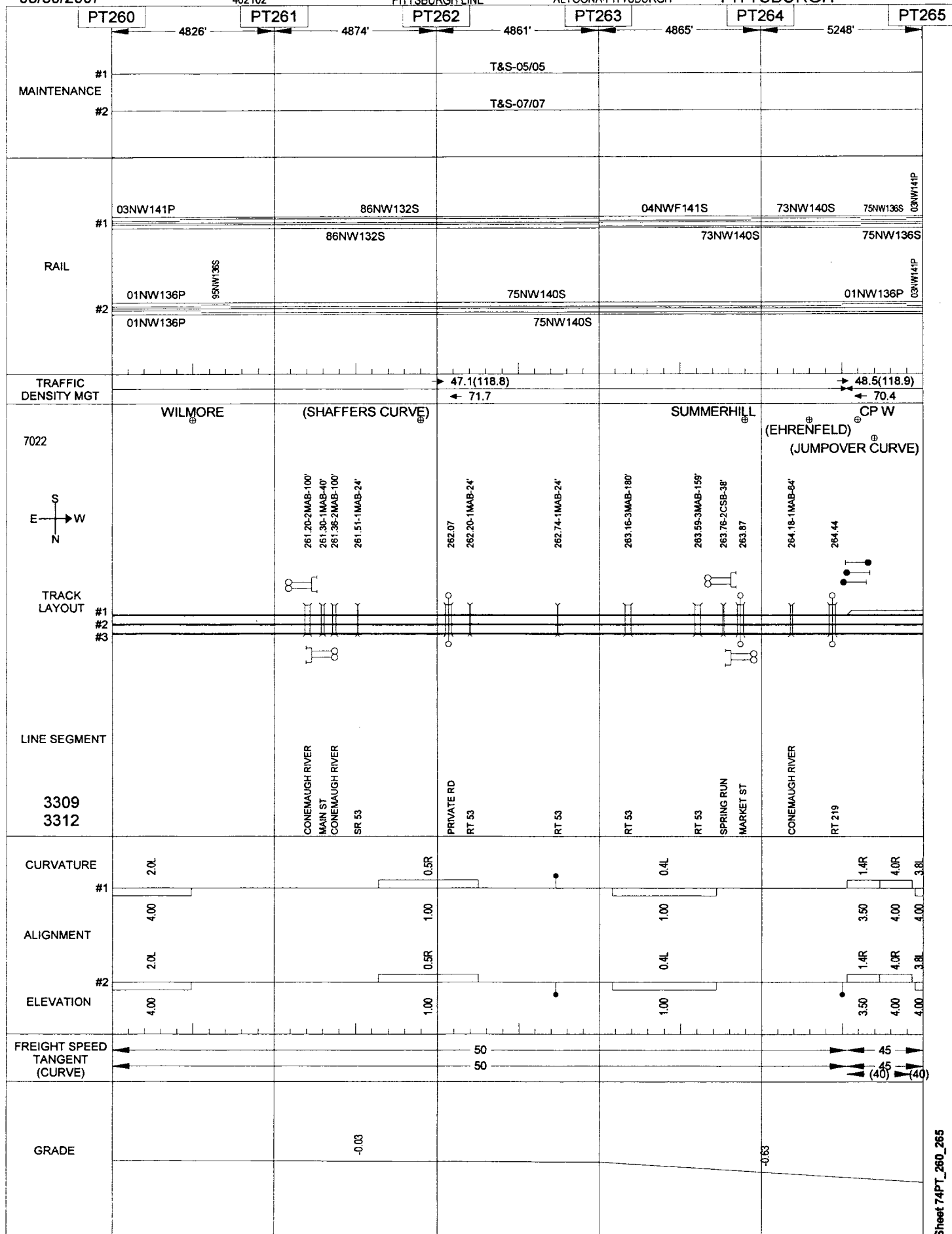
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030

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

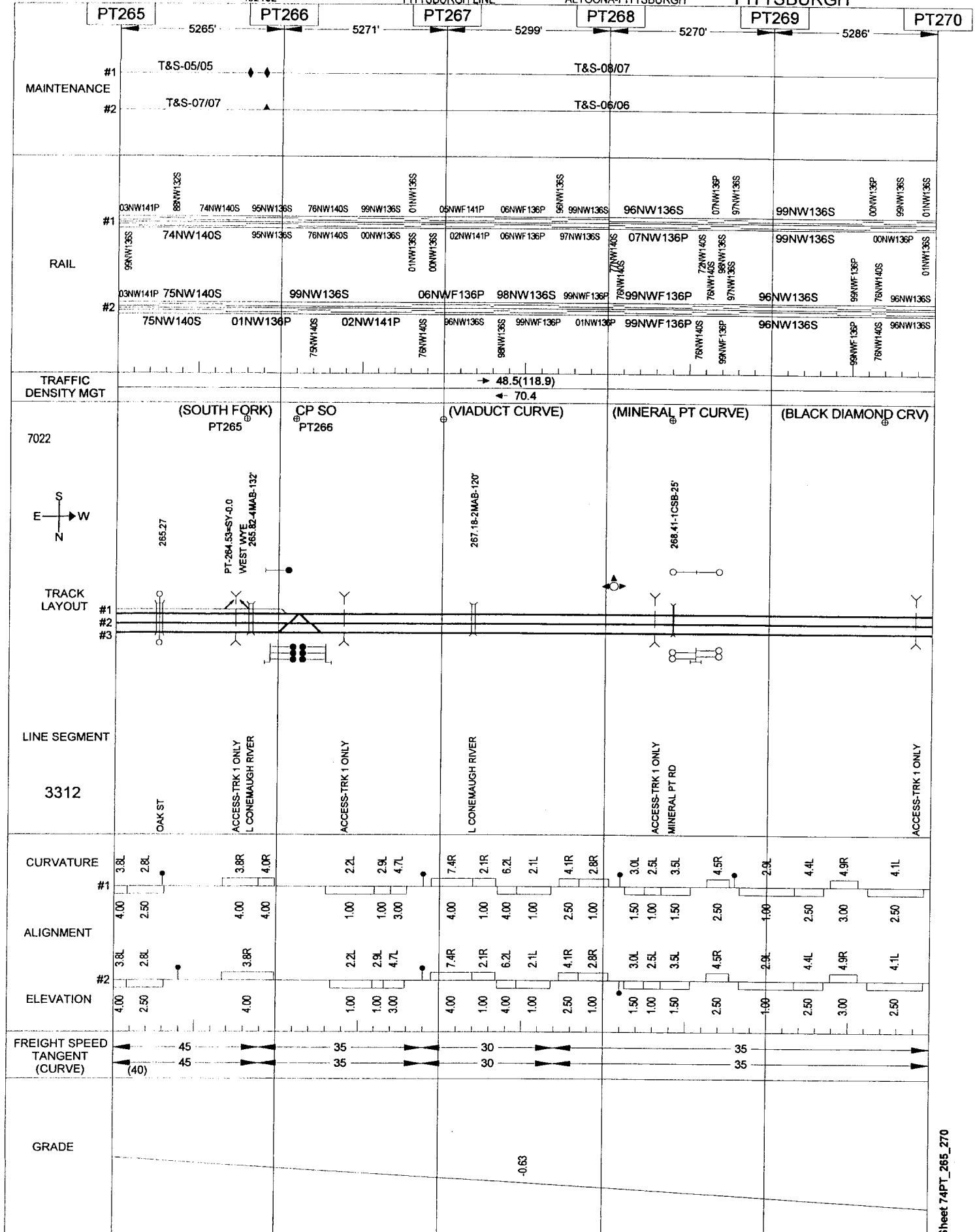
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031

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

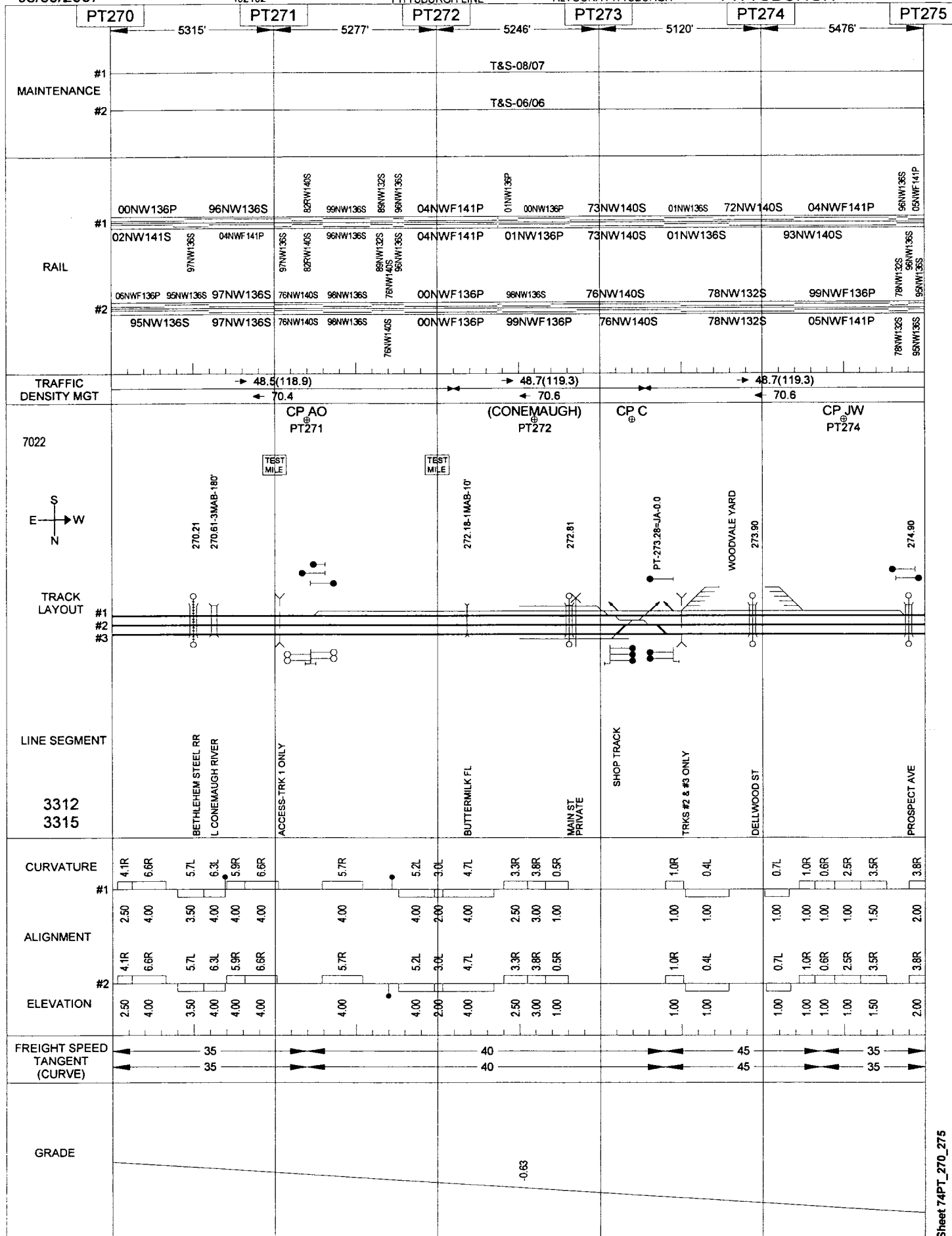
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032

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

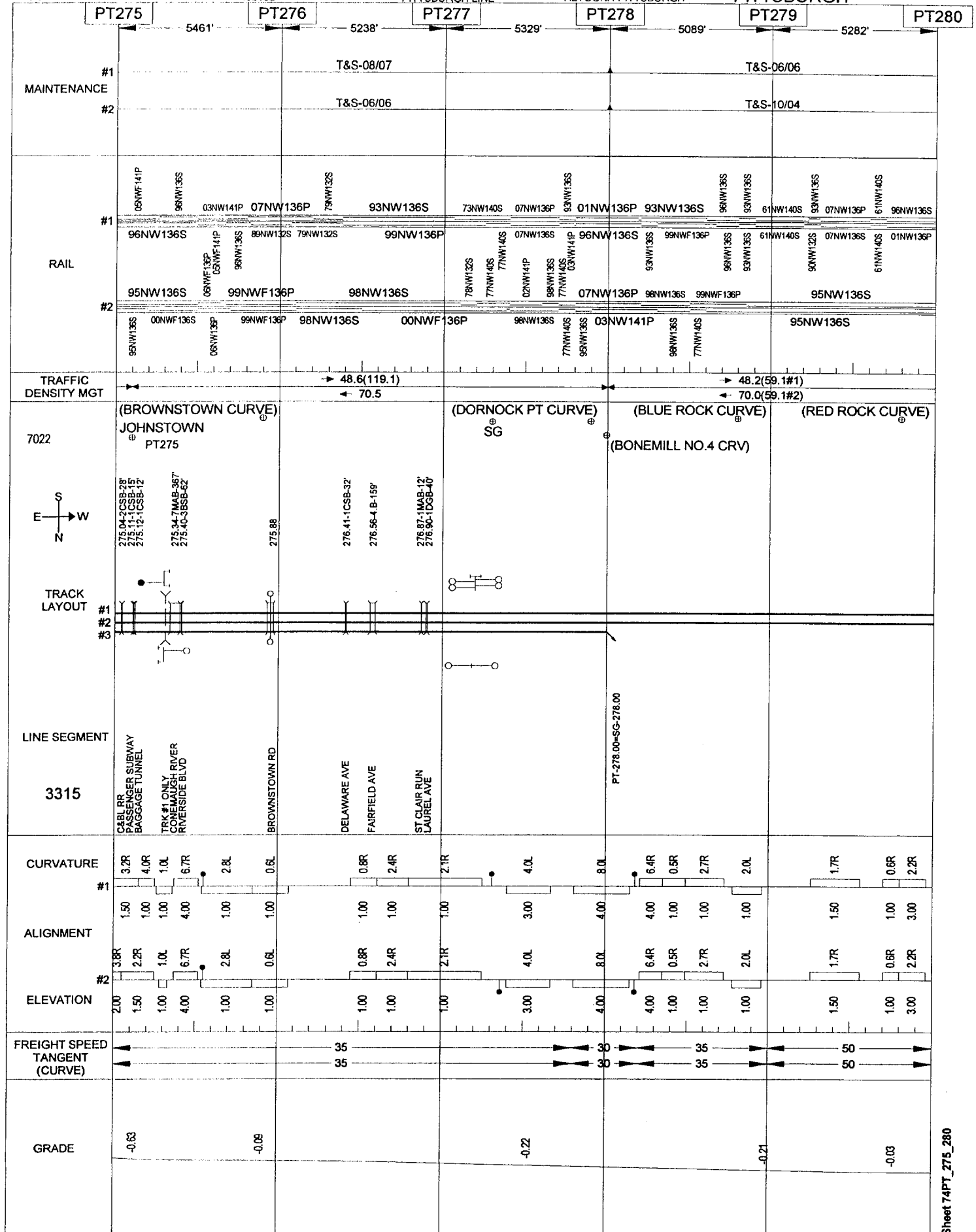
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033

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

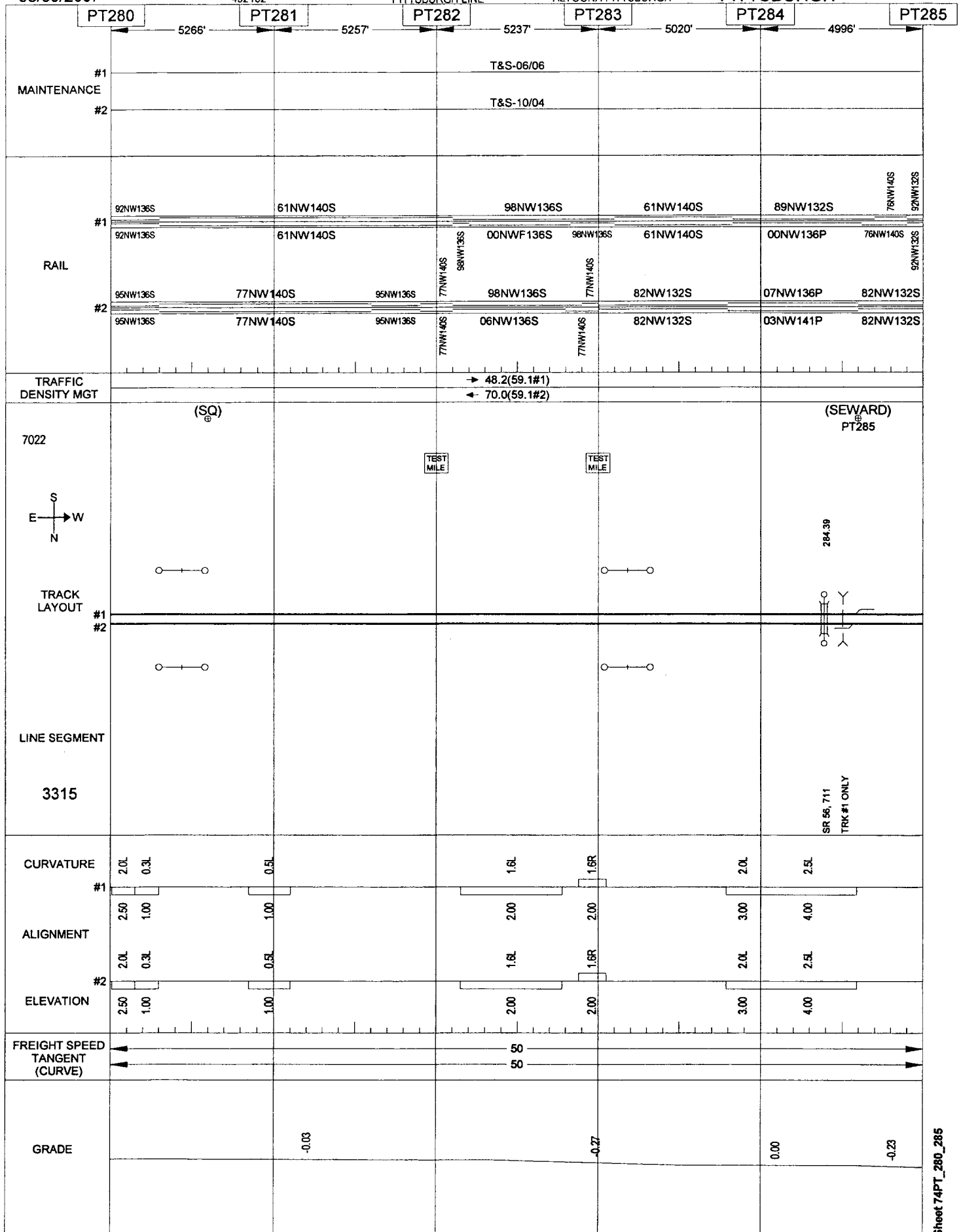
402102

034

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

402102

035

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

PT285

PT286

PT287

PT288

PT289

PT290

5214'

5265'

5139'

4820'

4824'

#1

MAINTENANCE

#2

T&S-06/06

T&S-10/04

#1

RAIL

#2

92NW132S

90NW132S

92NW132S

92NW132S

90NW132S

92NW132S

82NW132S

81NW132S

82NW132S

81NW132S

02NW141S

81NW132S

TRAFFIC
DENSITY MGT→ 48.2(59.1#1)
← 70.0(59.1#2)→ 48.3(59.2#1)
← 70.1(59.2#2)→ 48.4(59.3#1)
← 70.2(59.3#2)

7022



285.37-2MAB-60'

285.65-1MAB-16'

(NEW FLORENCE)
(LOAM CURVE)

(CENTERVILLE)

288.12-1MAB-30'

288.68-3CSB-41'

289.78-8MAB-524'

TRACK
LAYOUT

#1

#2

LINE SEGMENT

3315

MURRAY HILL RD

PINE RUN

BALDWIN RUN

LIGONIER ST

CONEMAUGH RIVER, RD

CURVATURE

#1

0.5R

1.3R

0.6L

1.3L

ALIGNMENT

#2

1.00

2.50

1.00

3.00

ELEVATION

#2

0.5R

1.3R

0.6L

1.3L

1.00

2.50

1.00

3.00

FREIGHT SPEED
TANGENT
(CURVE)

50

50

GRADE

-0.23

-0.03

-0.20

08/30/2007

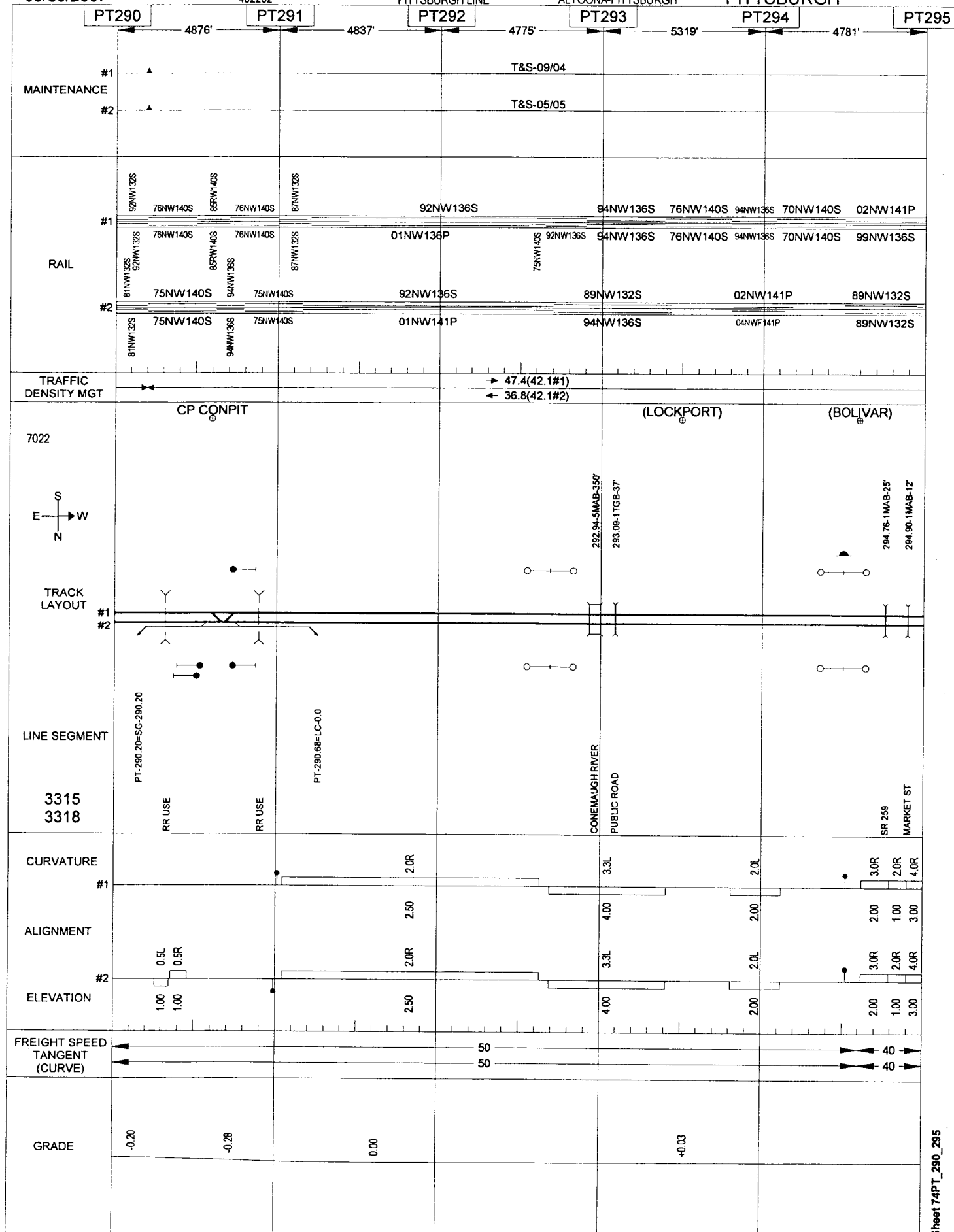
402202

036

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

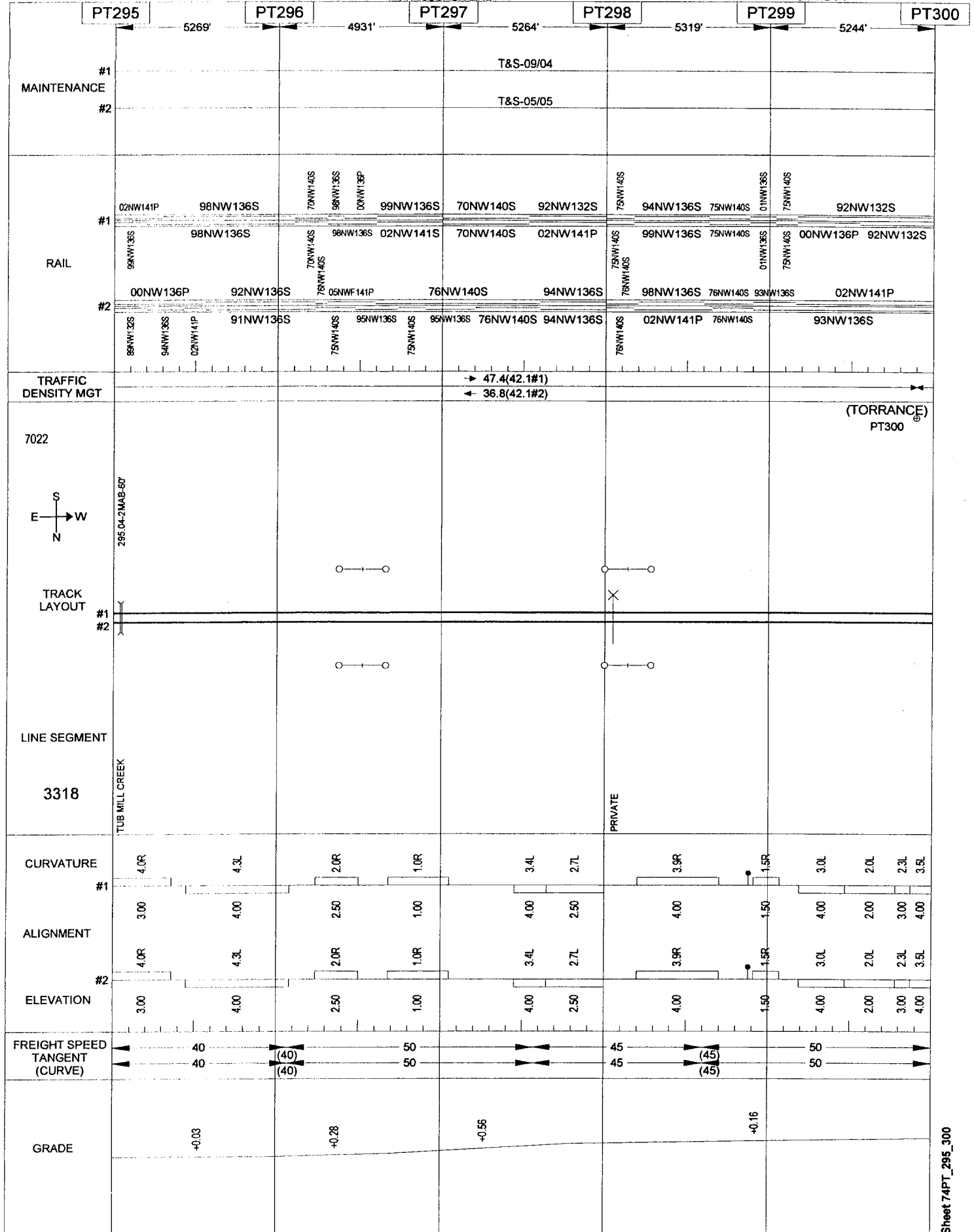
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037

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

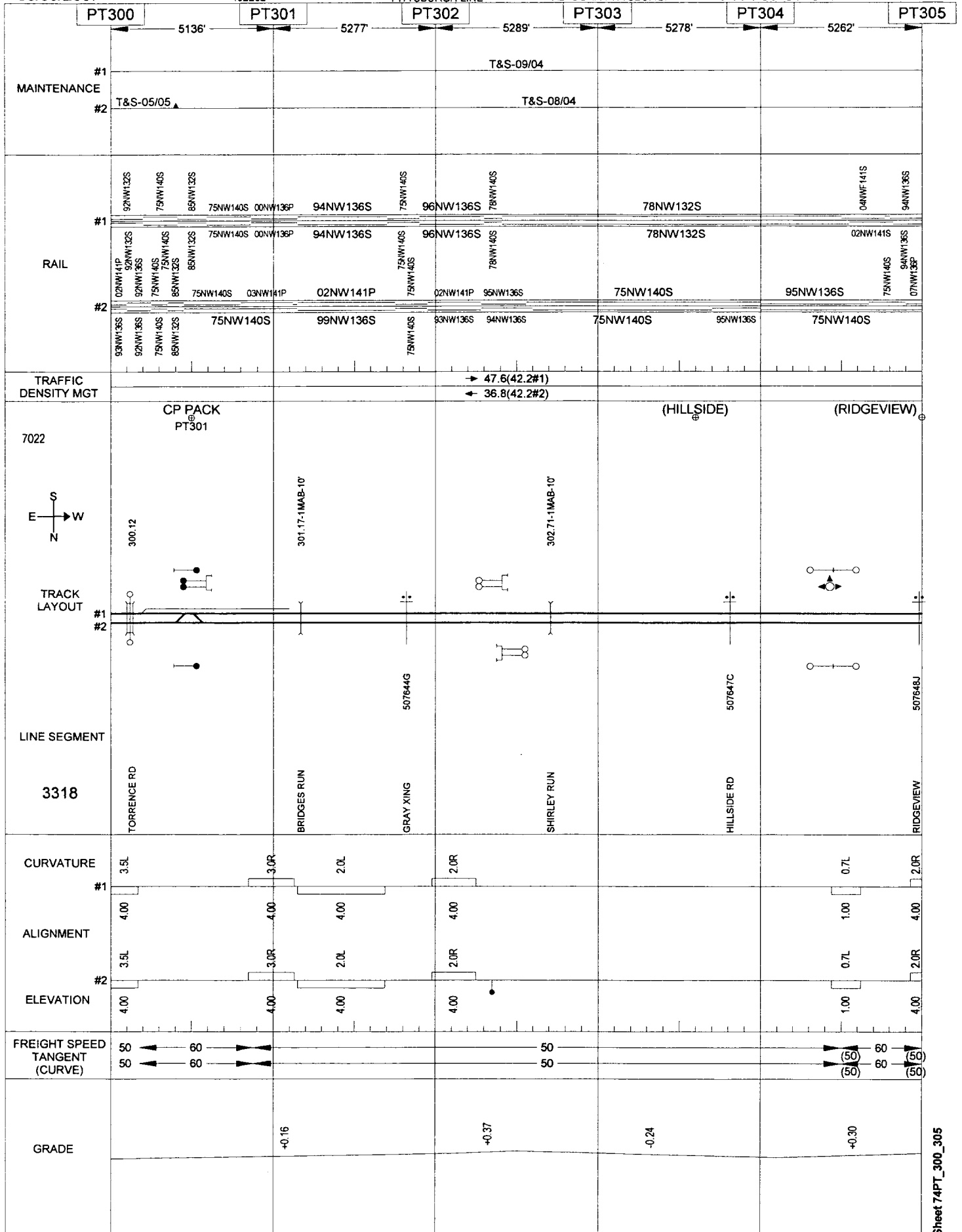
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038

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

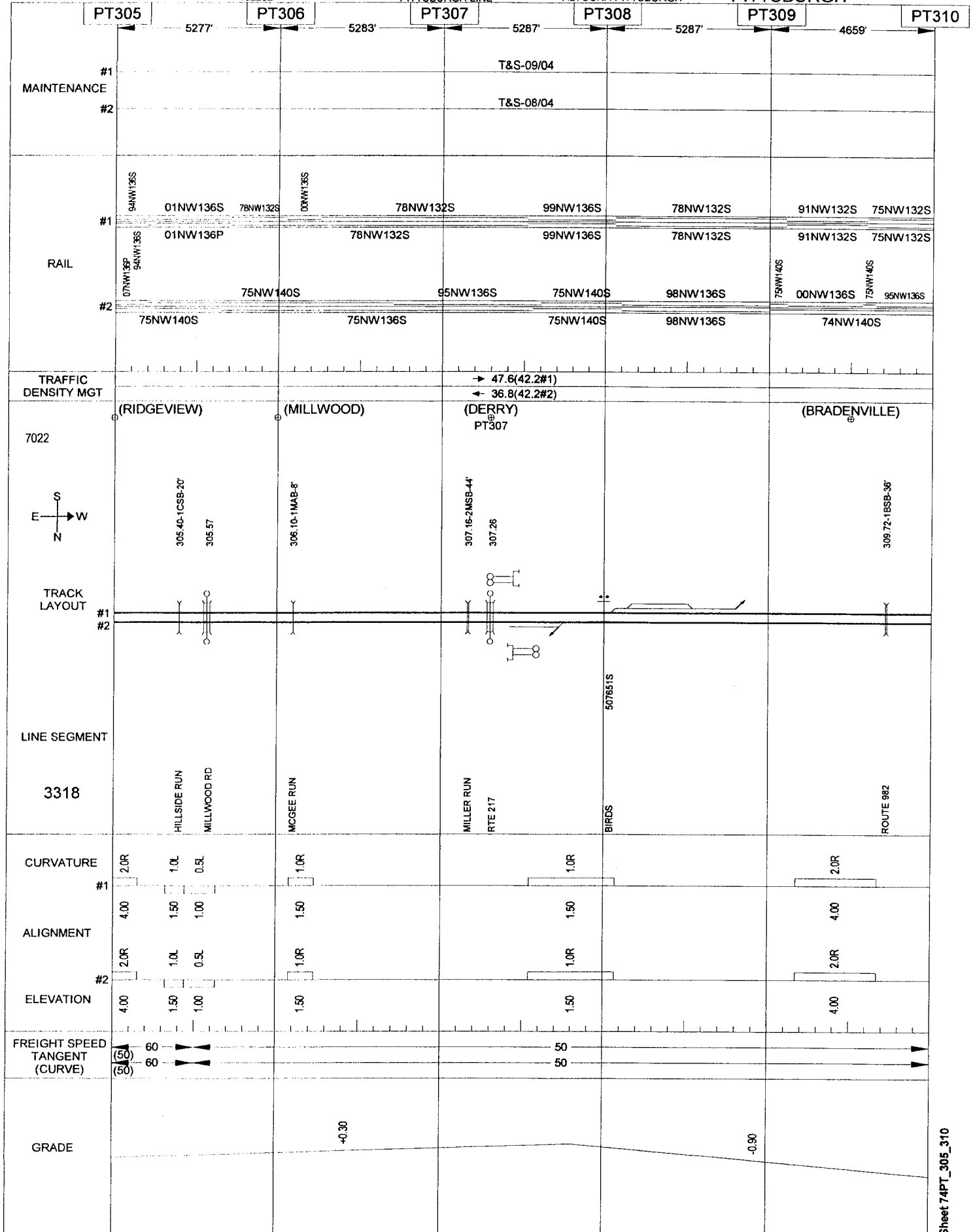
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039

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

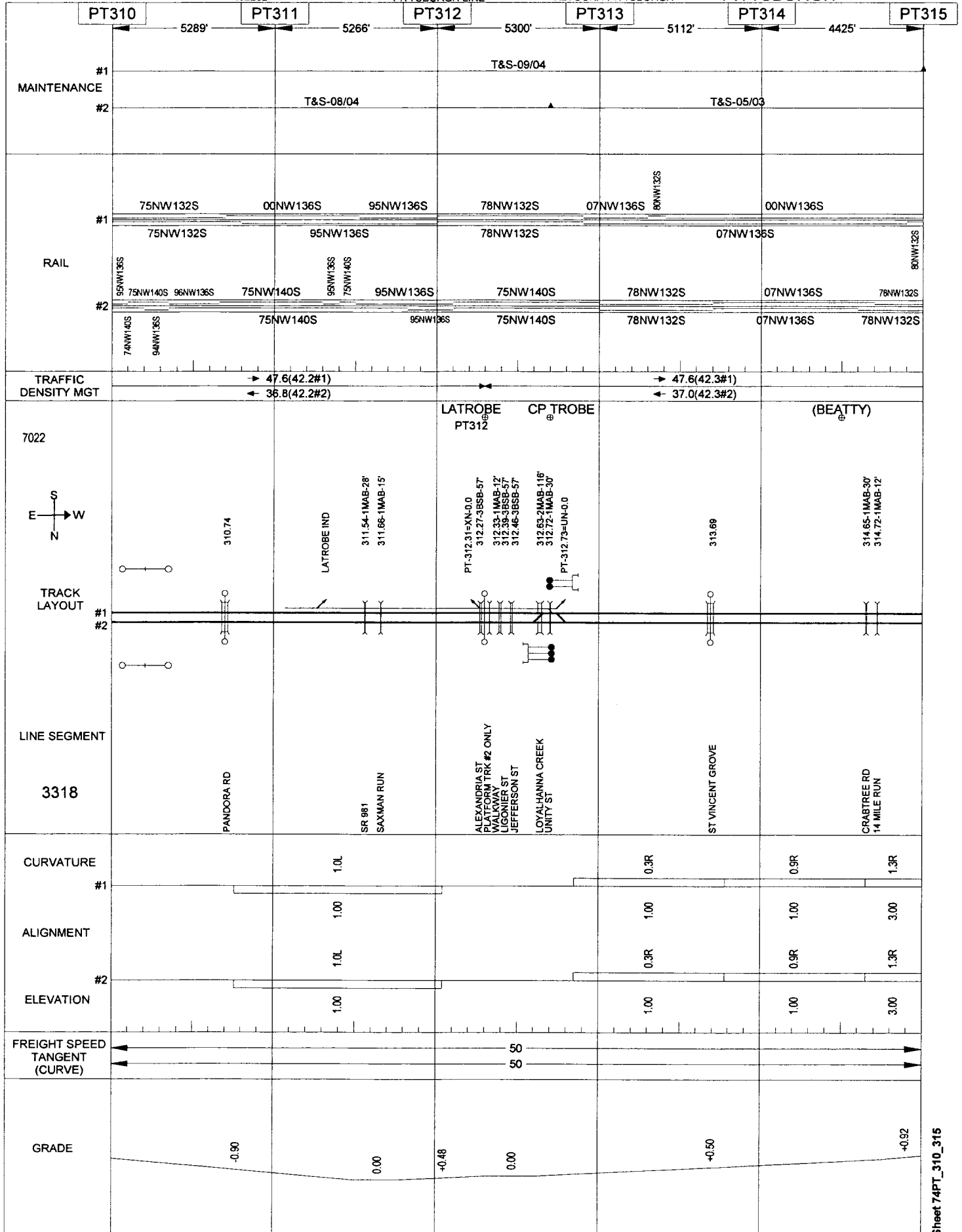
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040

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

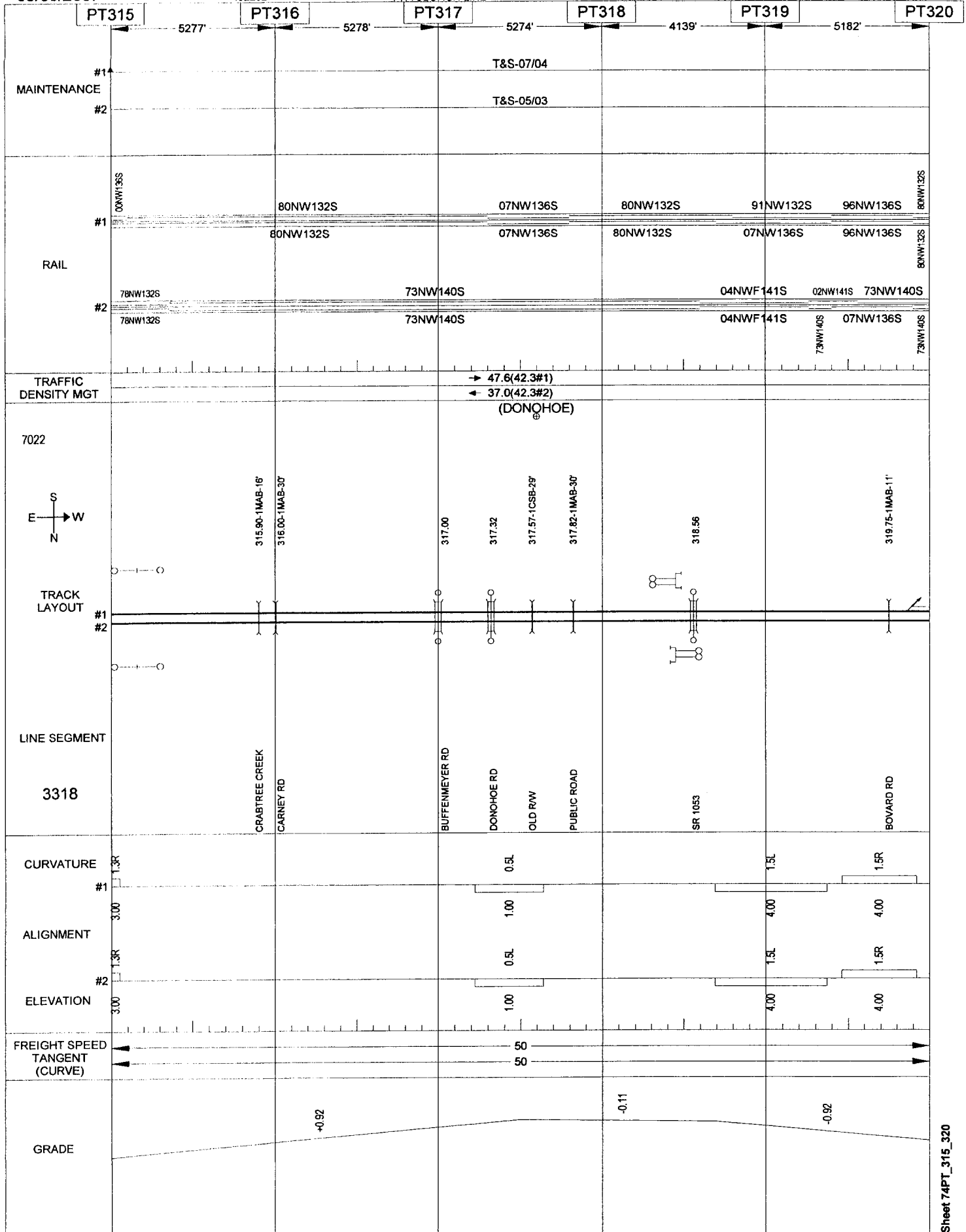
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041

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

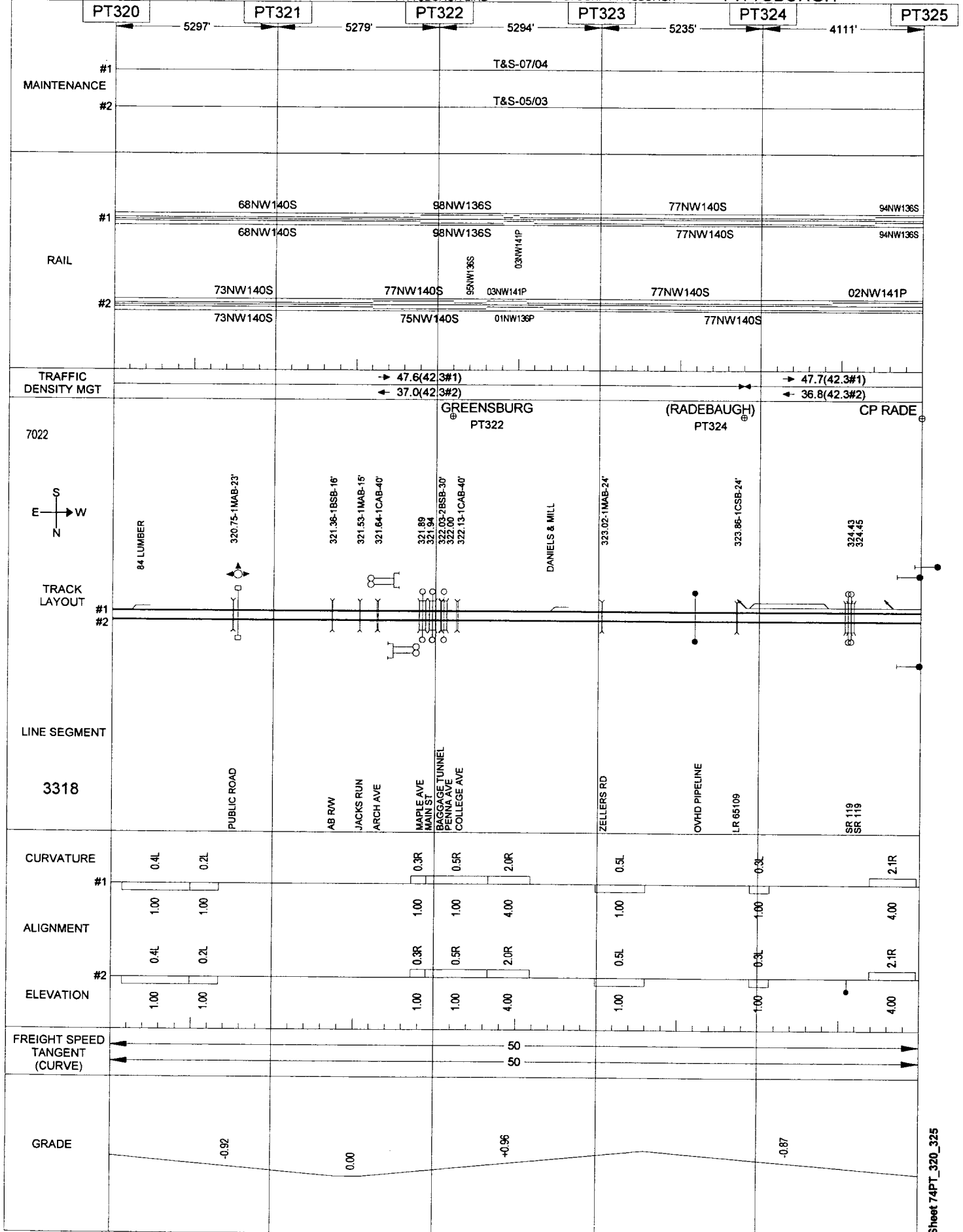
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042

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

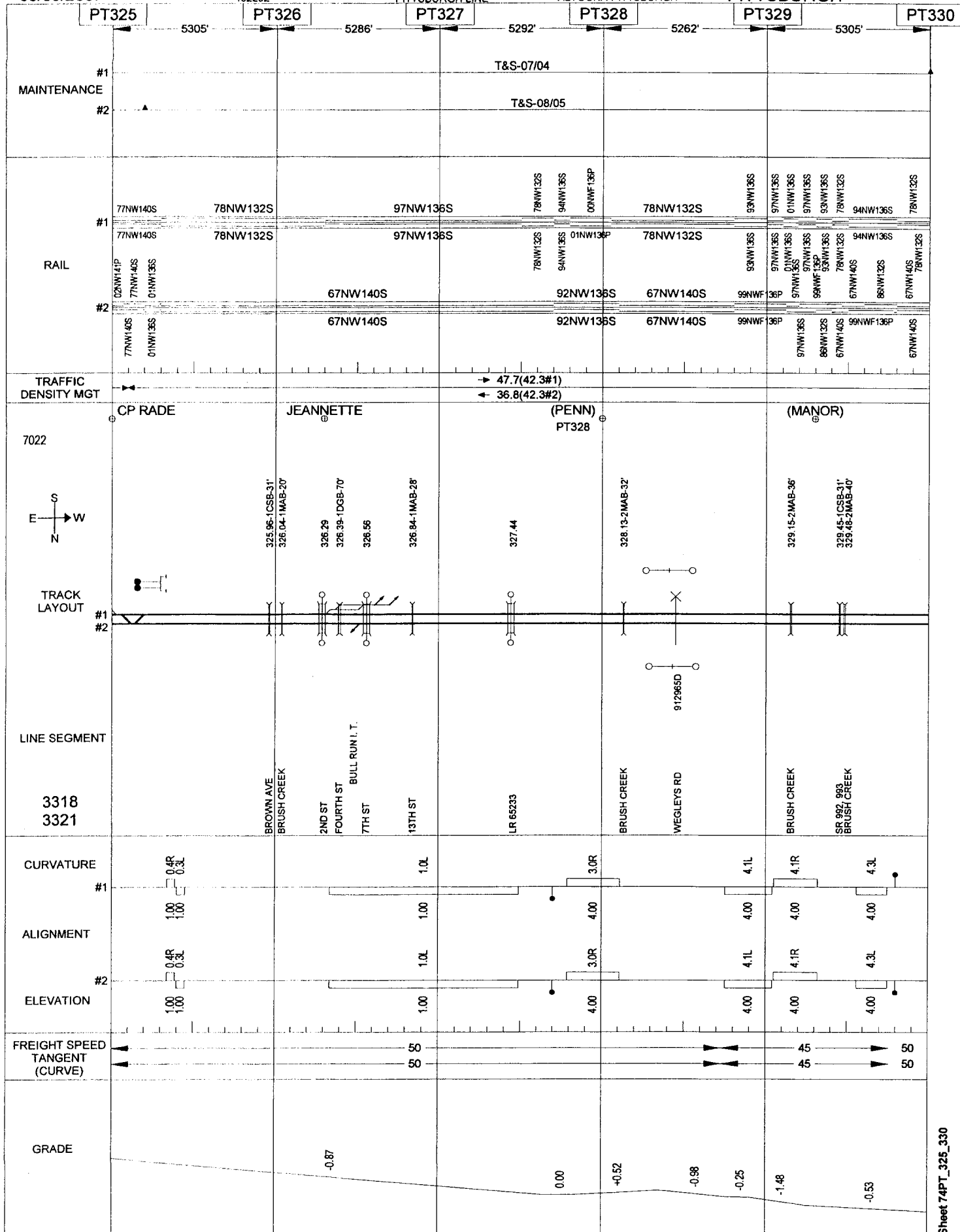
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043

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

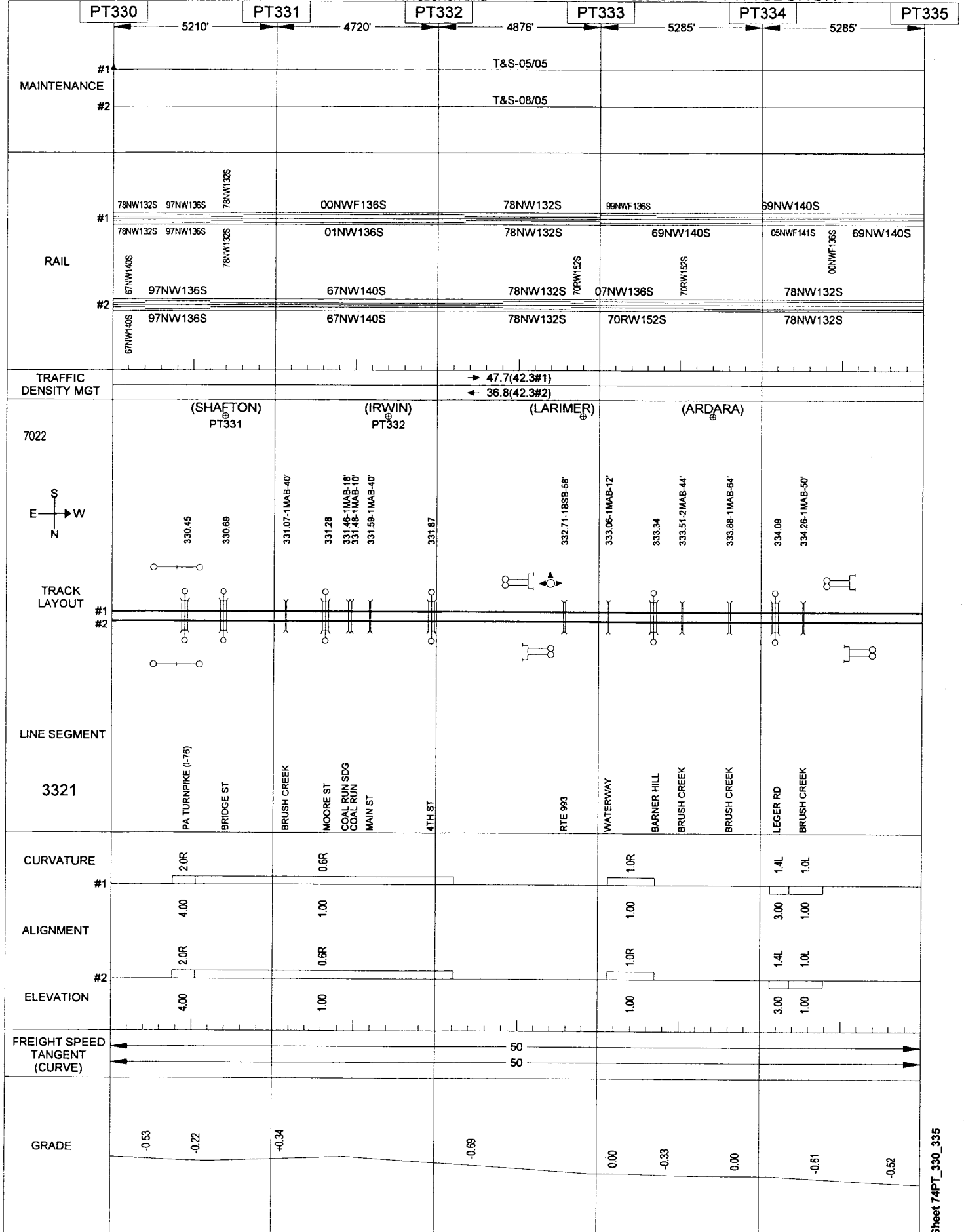
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044

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

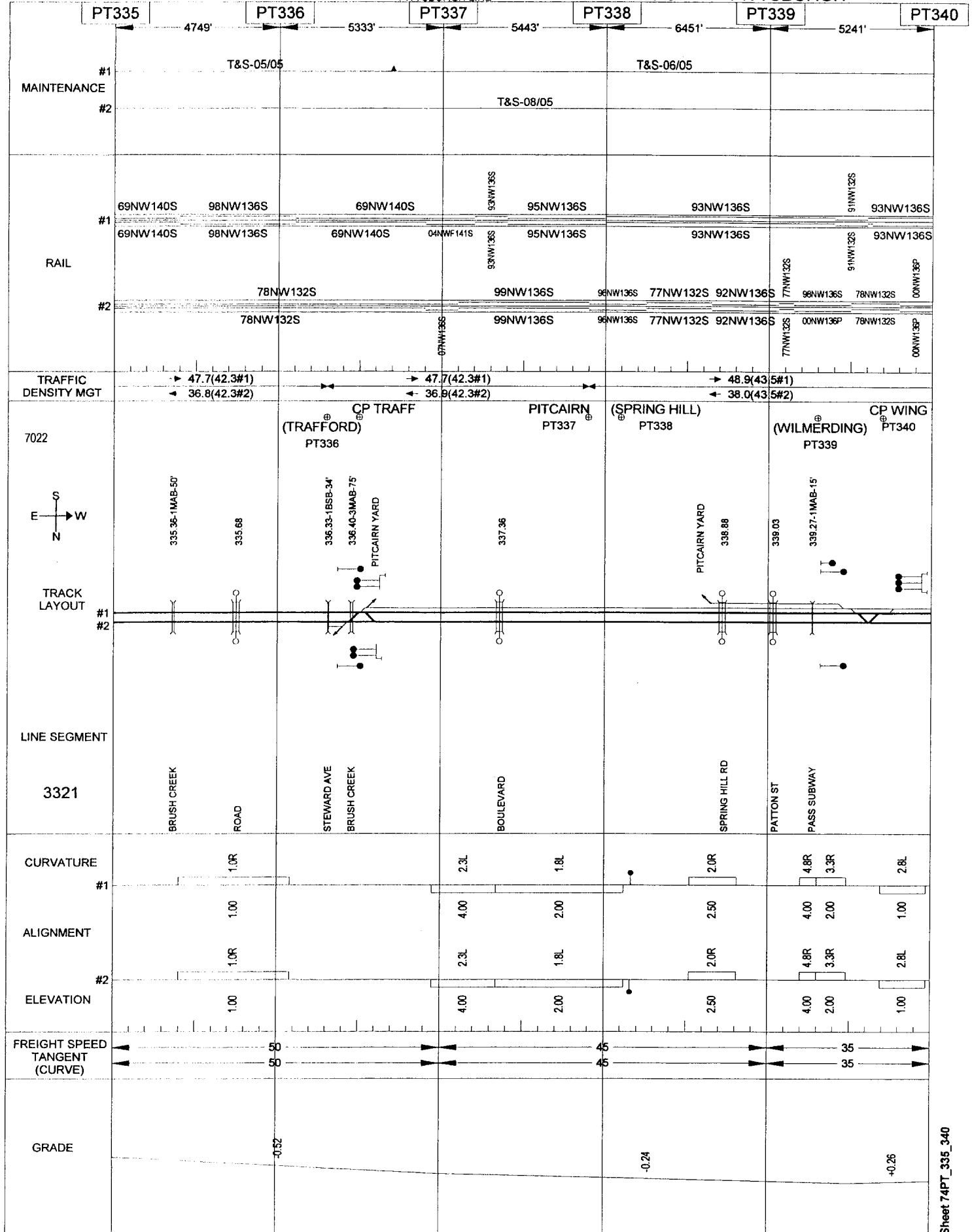
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045

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

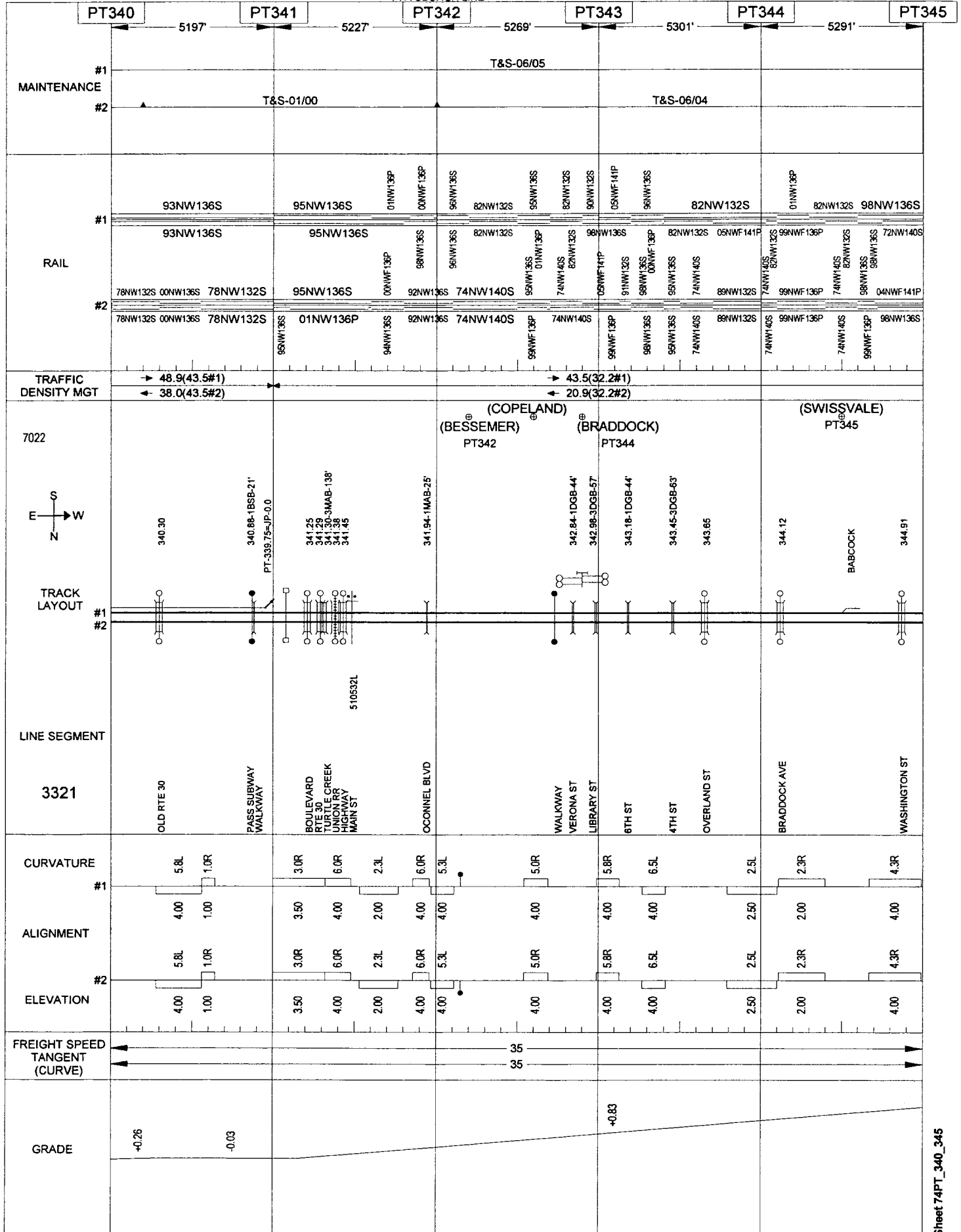
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046

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

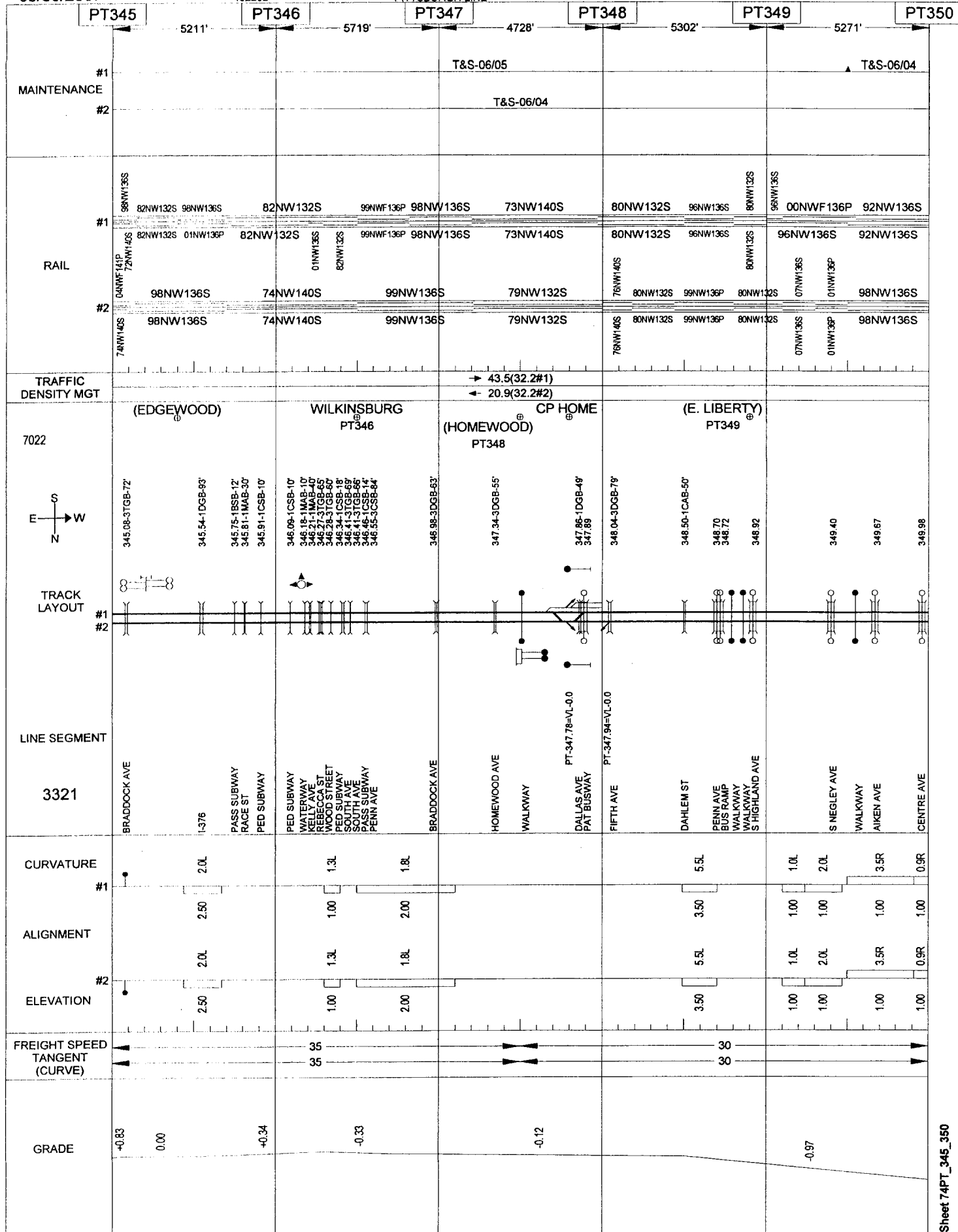
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047

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

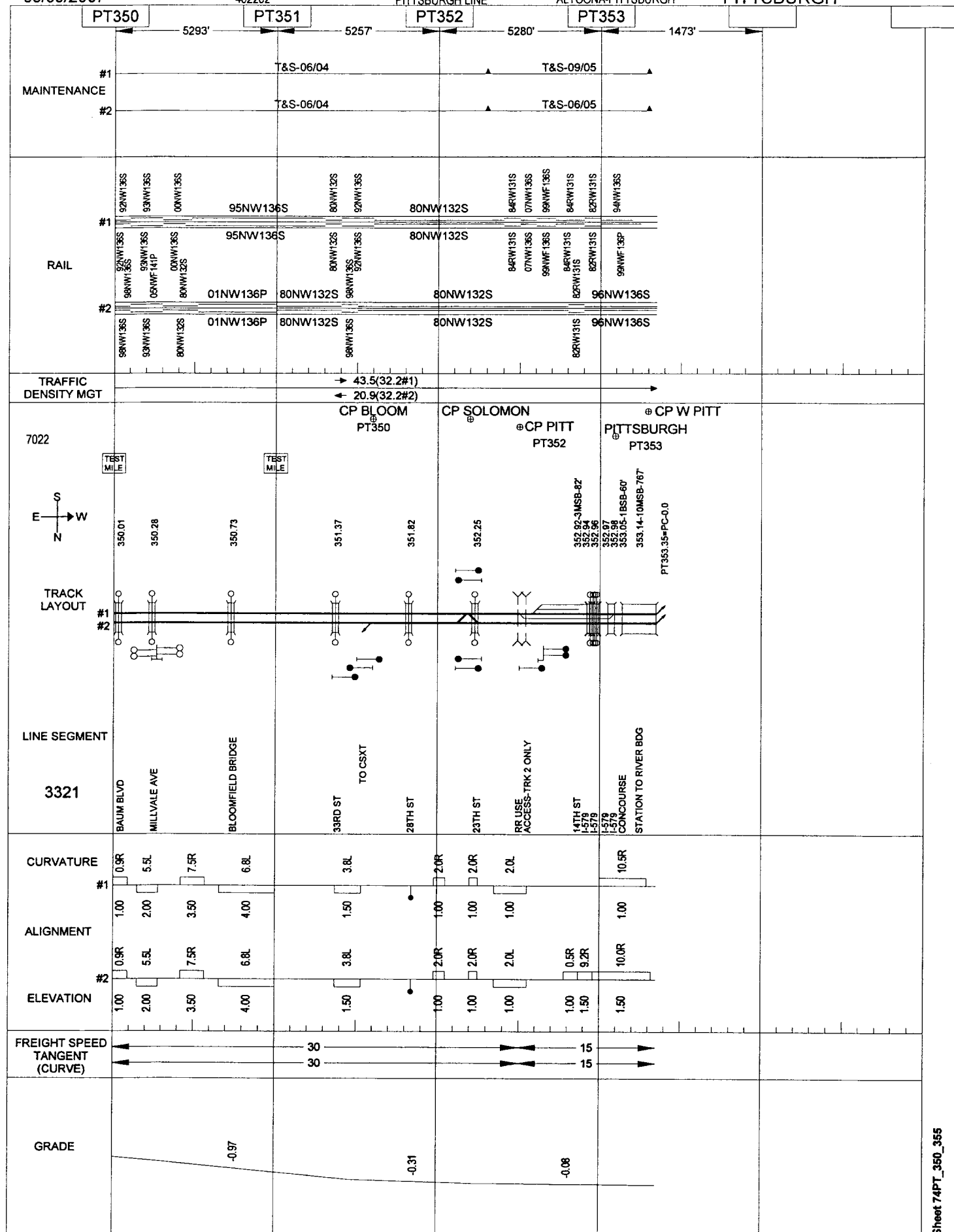
402202

048

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH



08/30/2007

402111

049

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH

SG278

SG279

SG280

7245'

5230'

MAINTENANCE

T&S-06/81
S-10/06

RAIL

94NW136S

94NW136S

TRAFFIC
DENSITY MGT→ 0.4(0.9)
← 0.5

7024

TRACK
LAYOUT

SG-278.00=PT-278.00

277.57-6DGB-582'

CONEMAUGH RIVER
PRIVATE

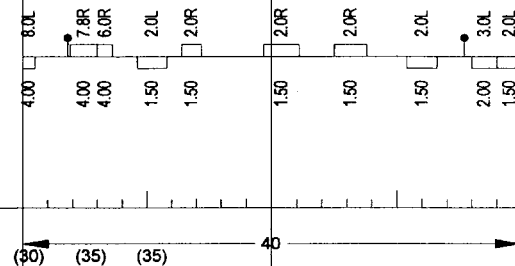
LINE SEGMENT

3603

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

08/30/2007

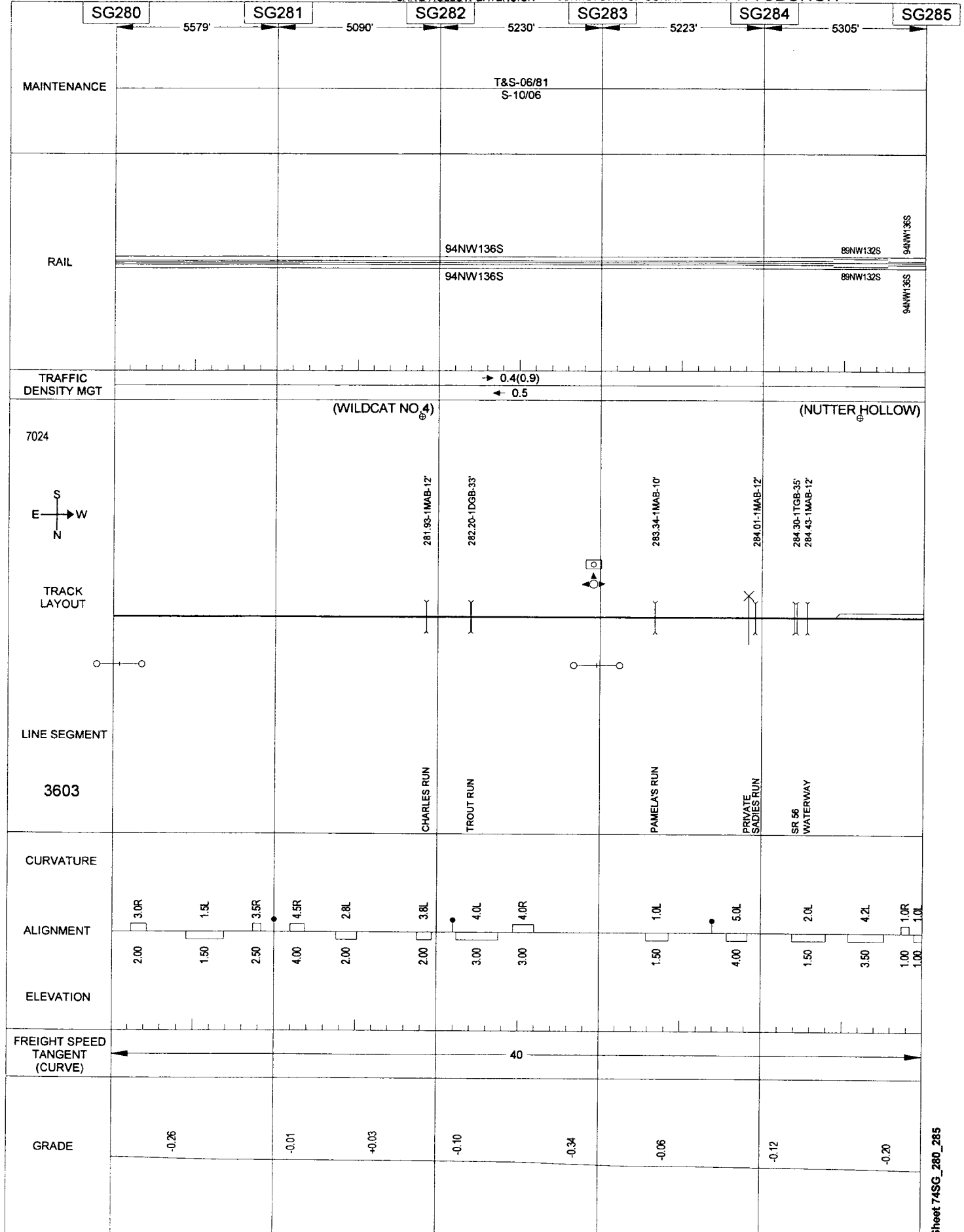
402111

050

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH



08/30/2007

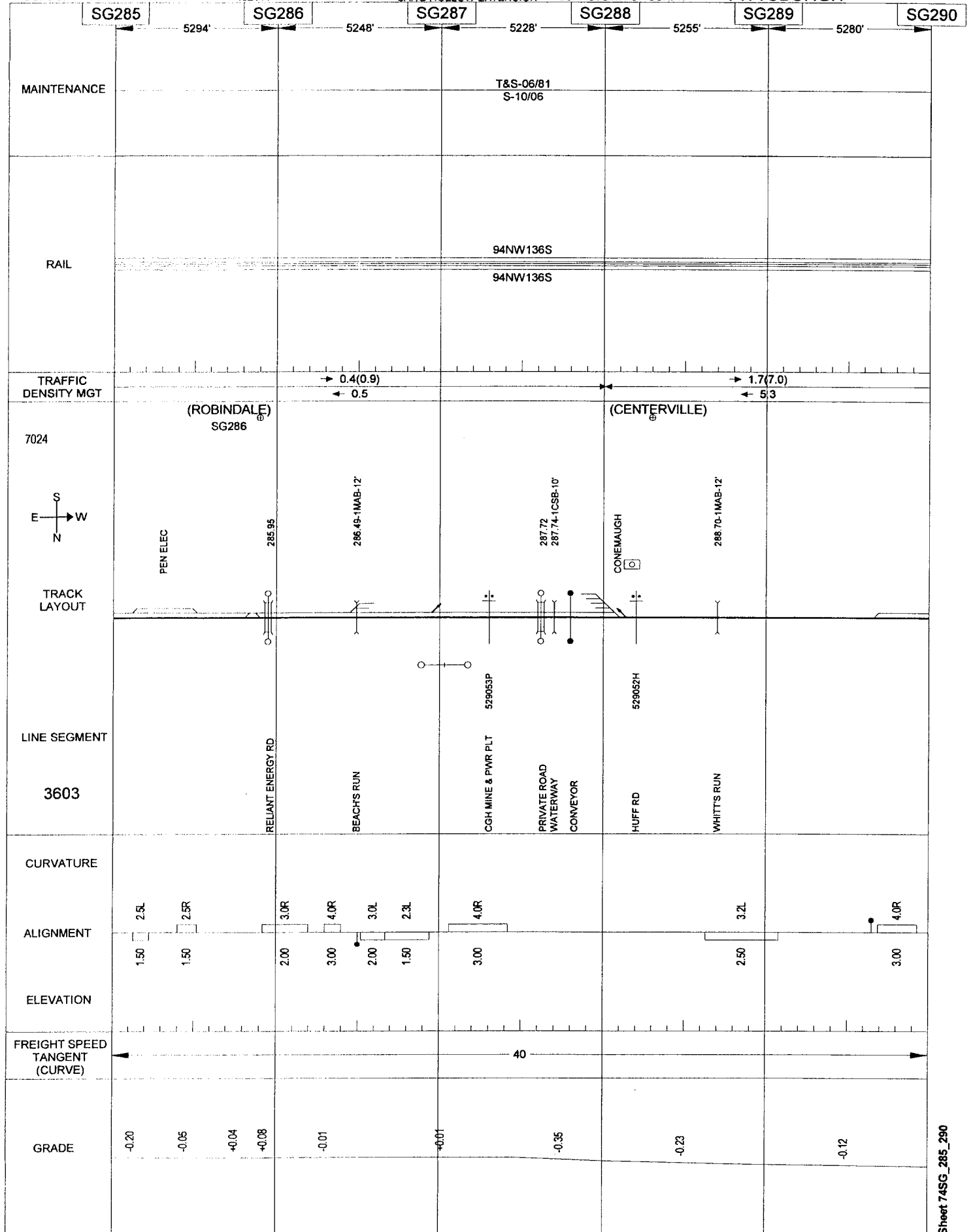
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051

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH



08/30/2007

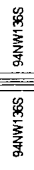


402111

052

SANG HOLLOW EXTENSION

JOHNSTOWN-CP CONPIT

PITTSBURGH

	SG290	5280'					
MAINTENANCE	→						
RAIL							
TRAFFIC DENSITY MGT	→						
7024	CP CONPIT						
	SG-290.20=PT-290.20						
TRACK LAYOUT							
LINE SEGMENT	PRIVATE						
3603	TO CONEMAUGH LINE						
CURVATURE							
ALIGNMENT	—						
ELEVATION							
FREIGHT SPEED TANGENT (CURVE)	40						
GRADE	-0.12						

08/30/2007

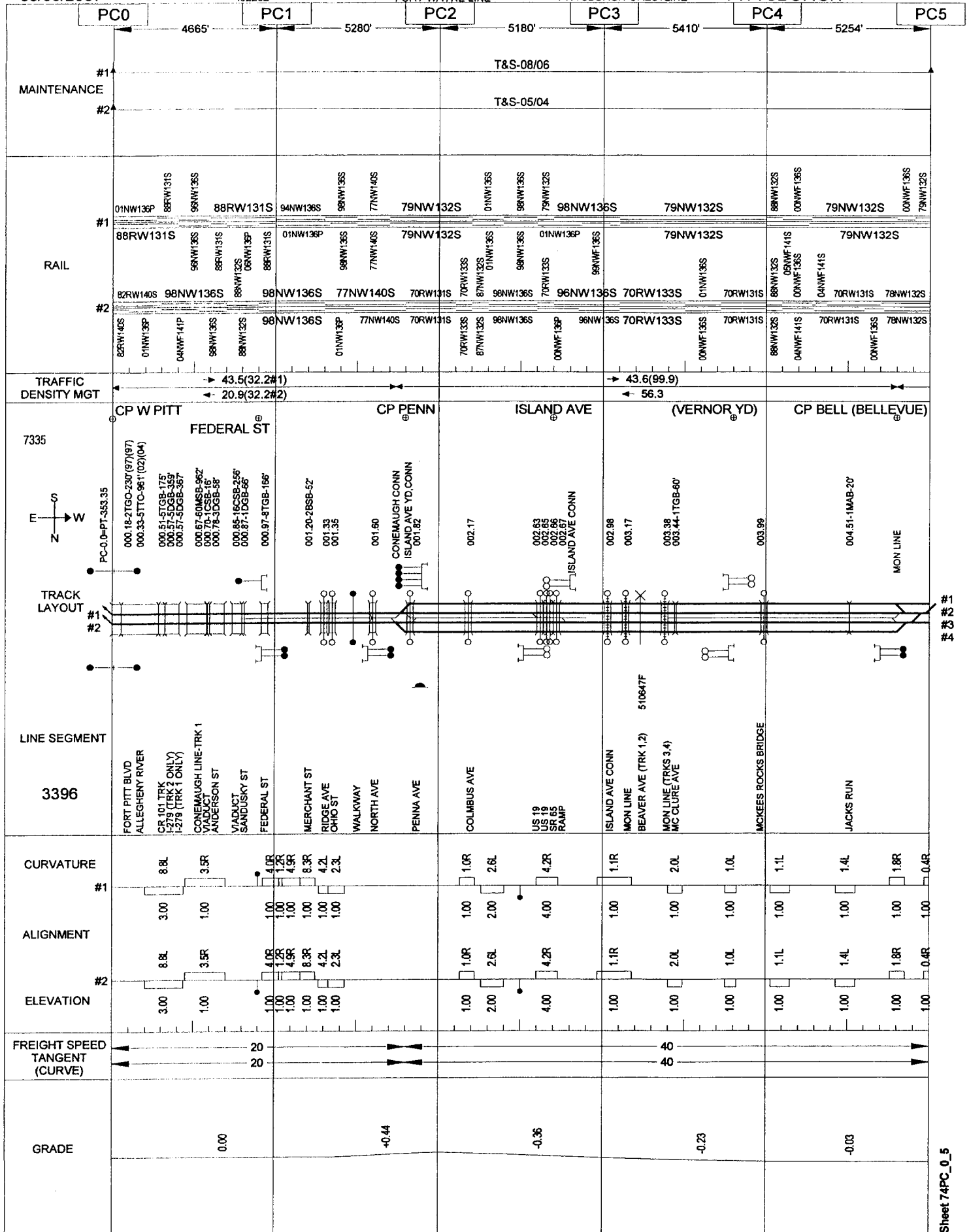
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053

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

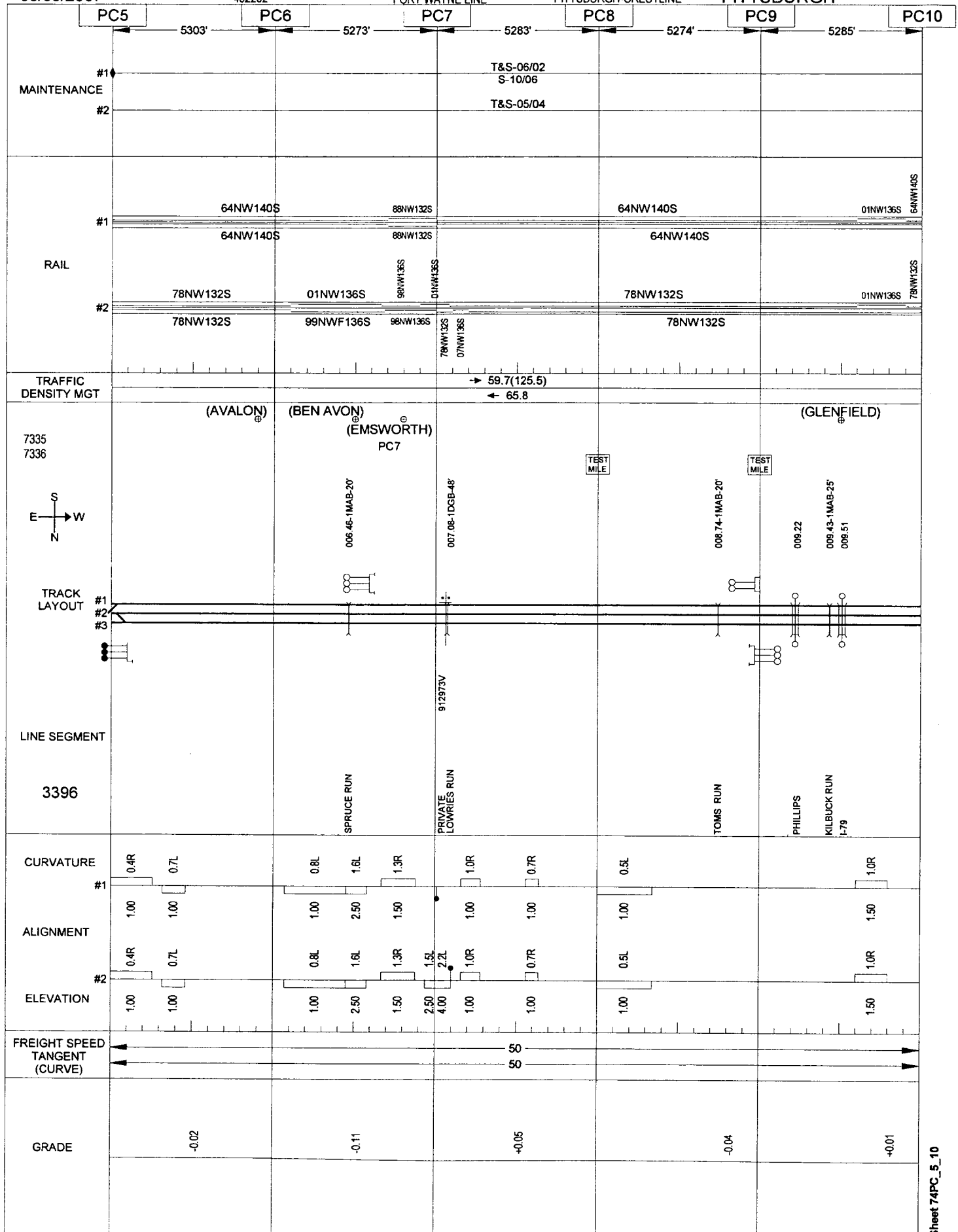
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054

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/31/2007

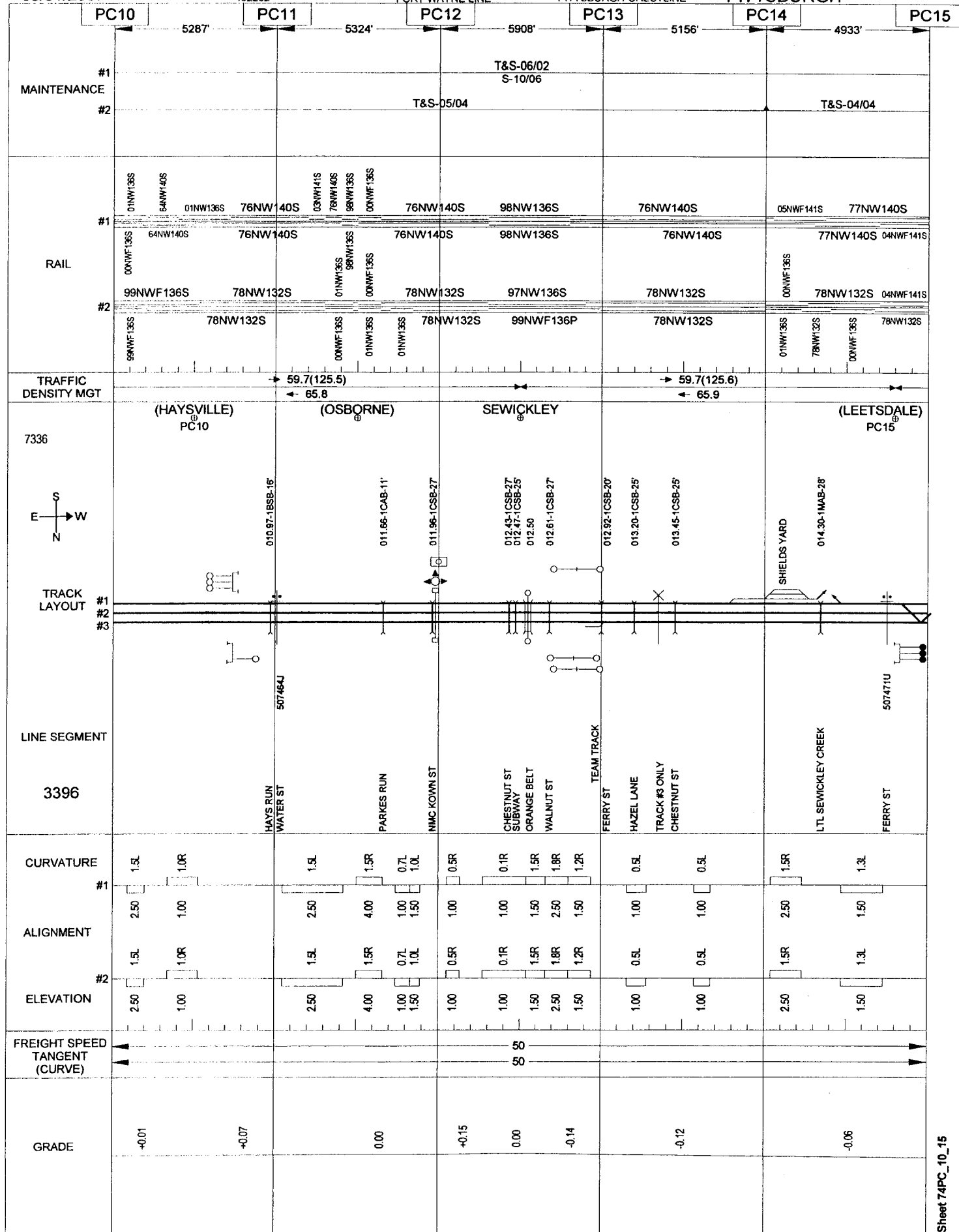
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055

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

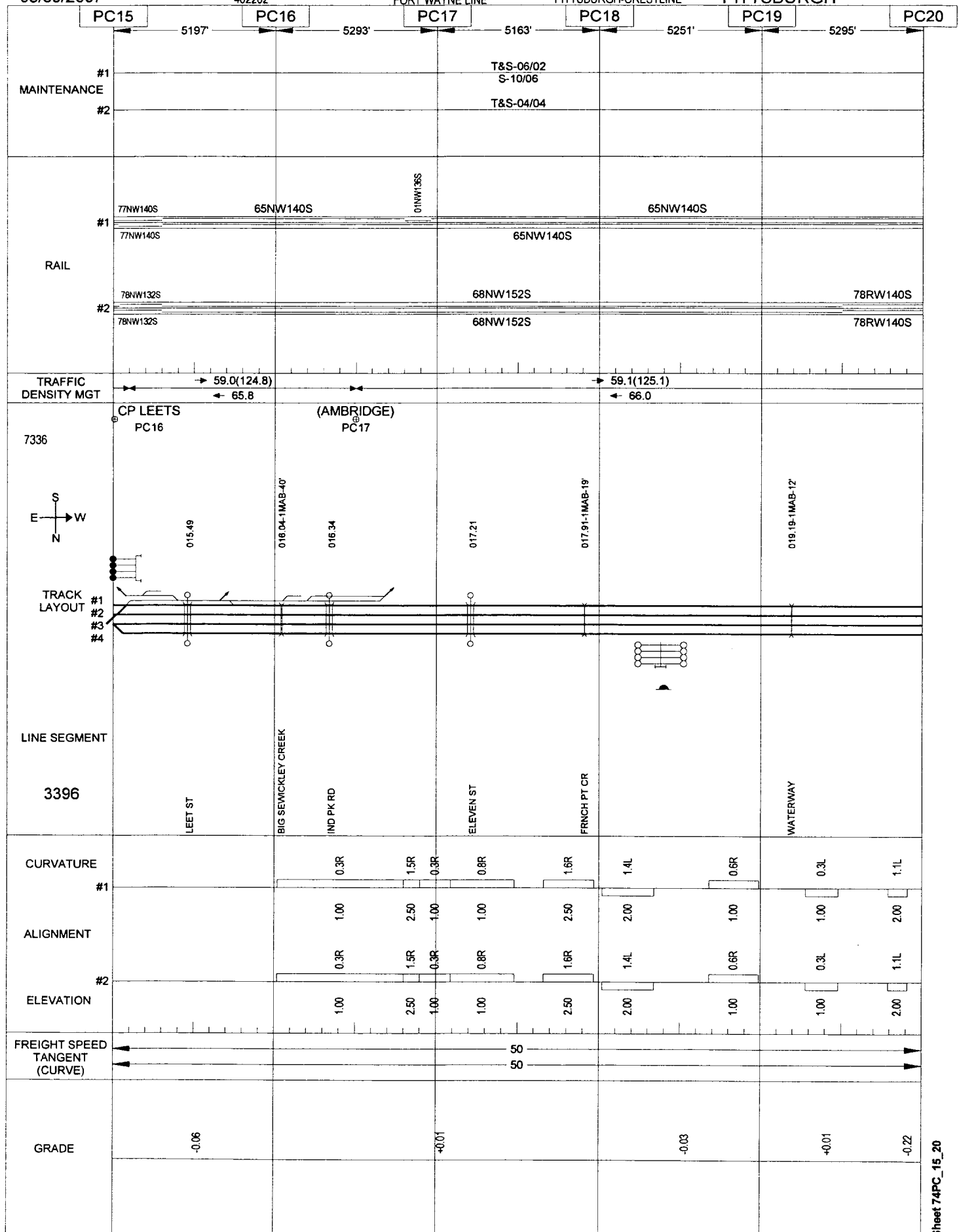
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056

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



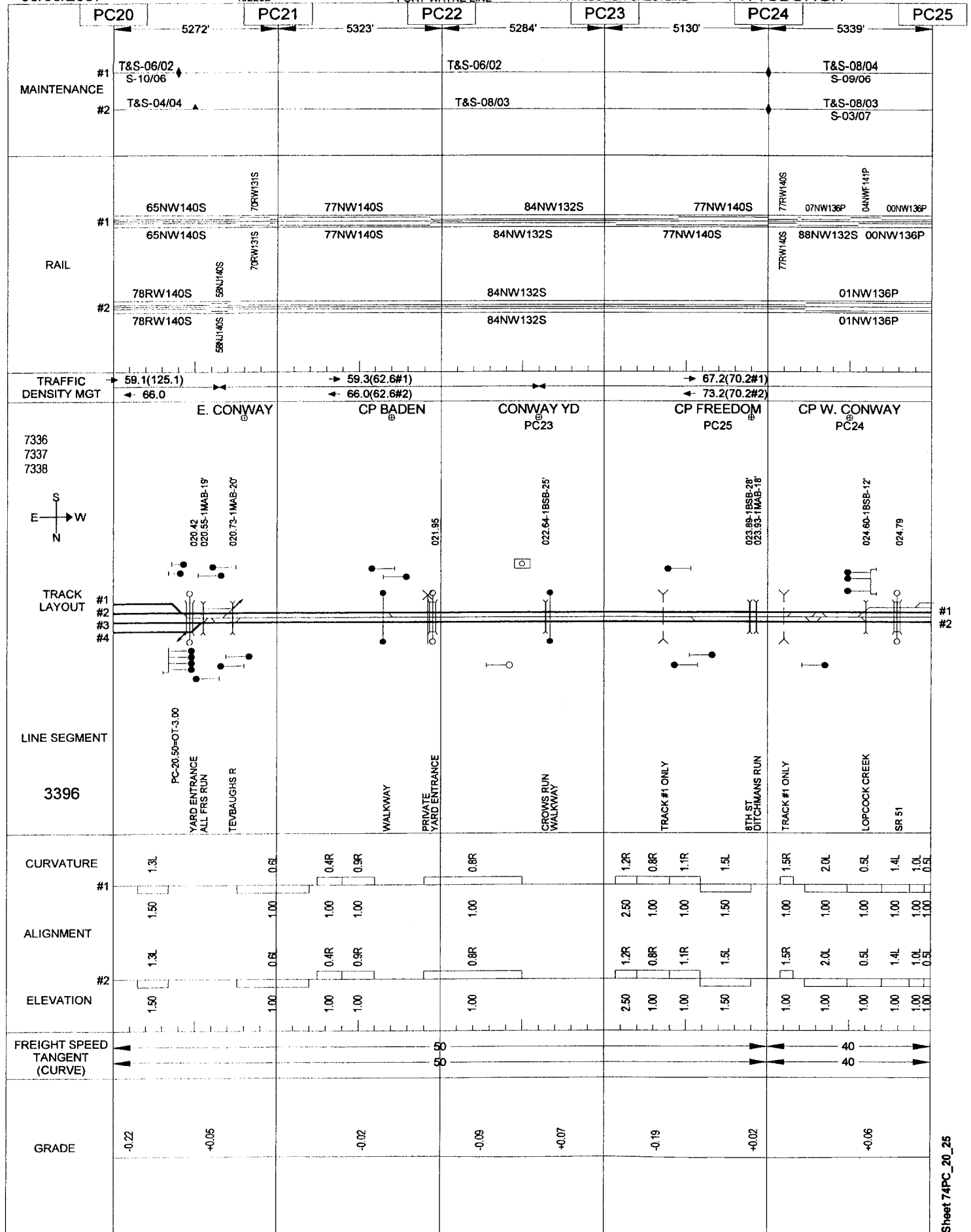
08/30/2007

402202

057
FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

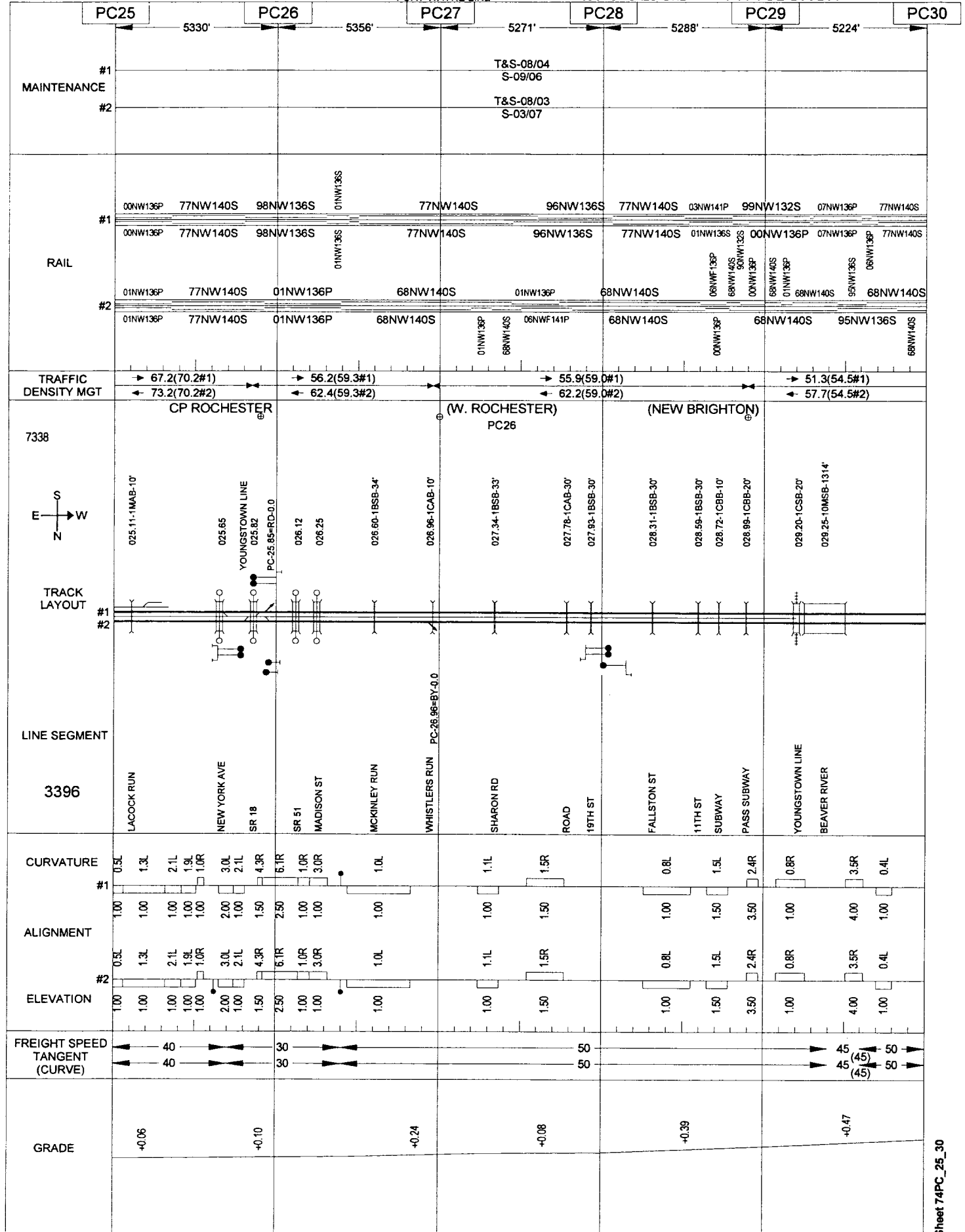
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058

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

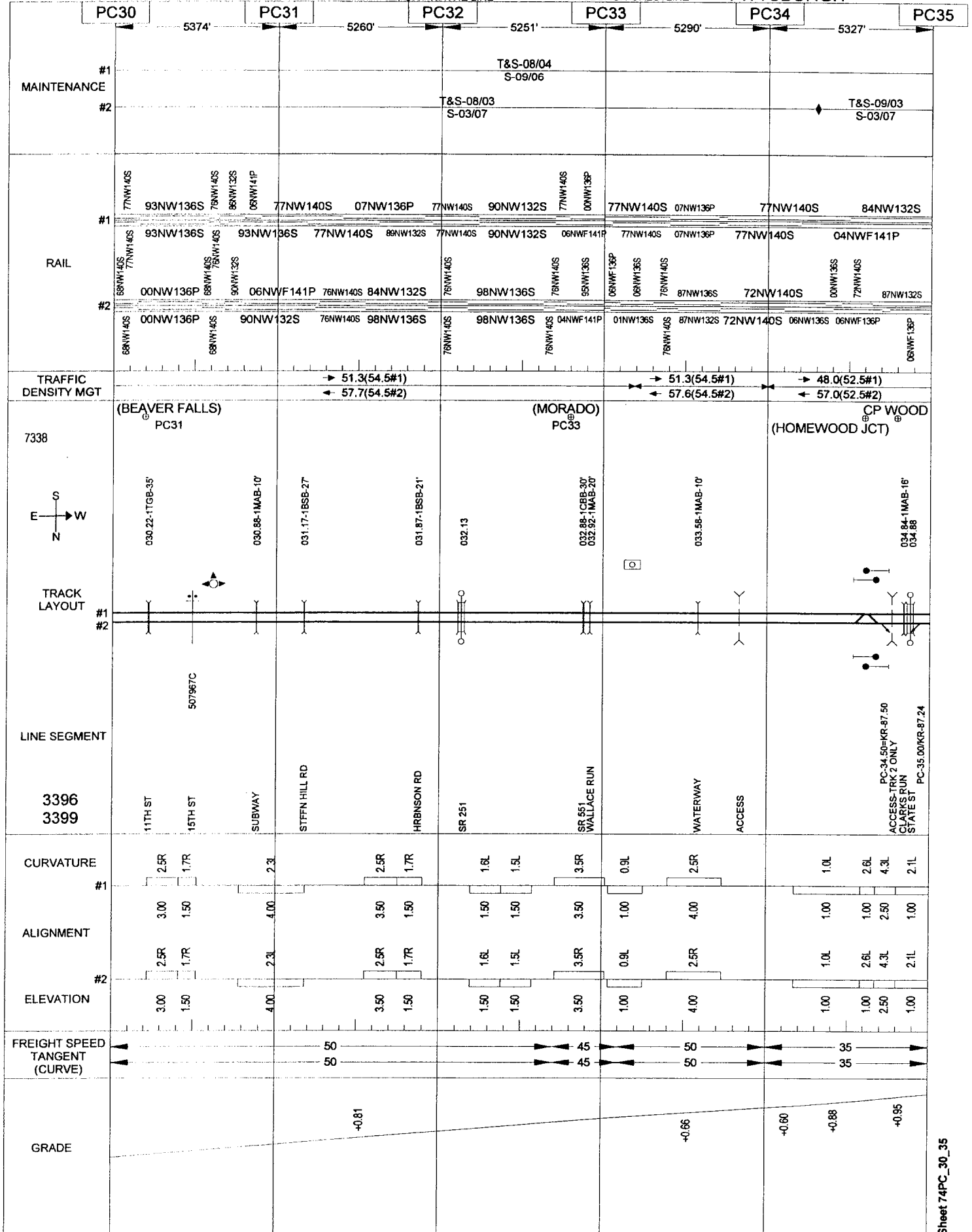
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059

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

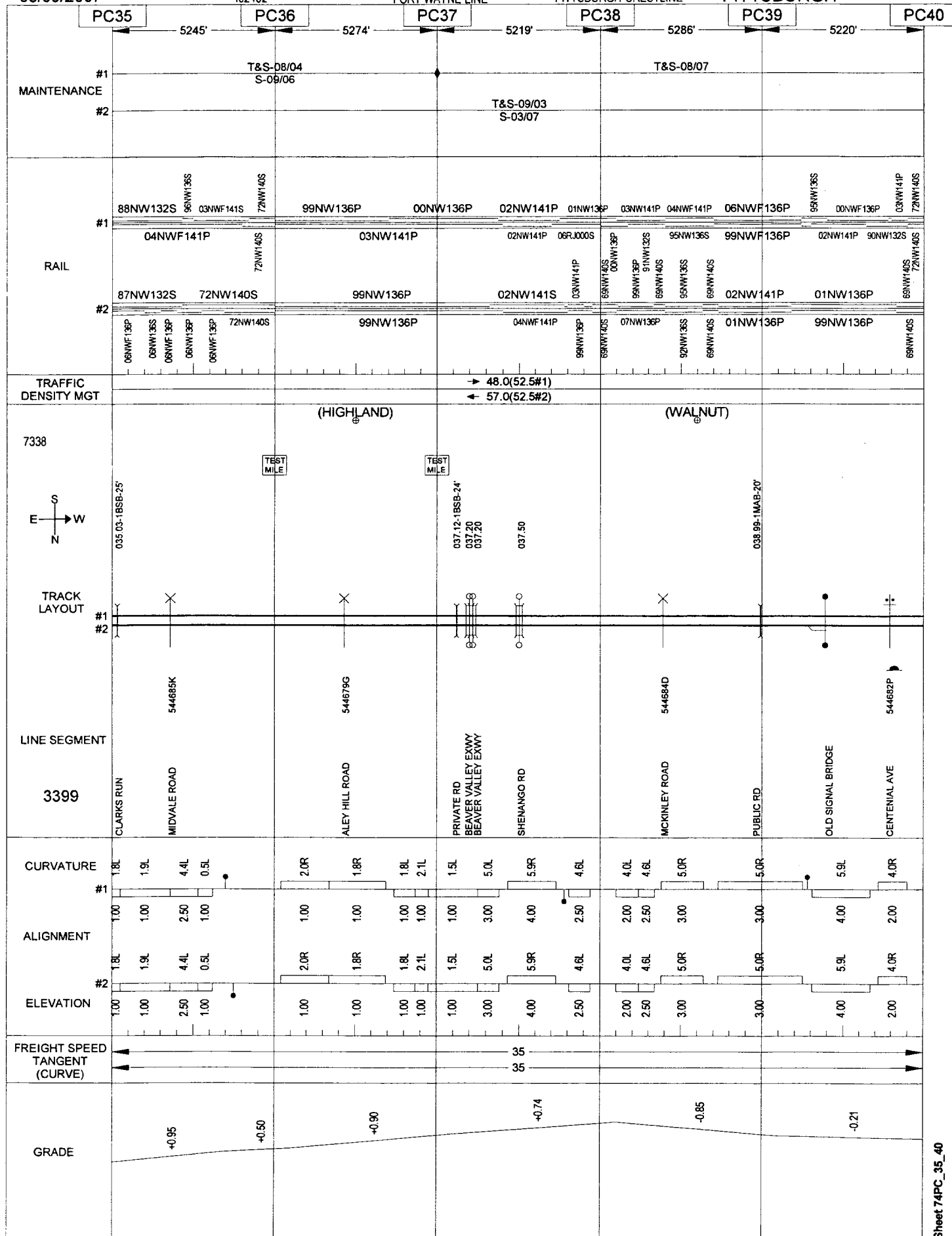
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060

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

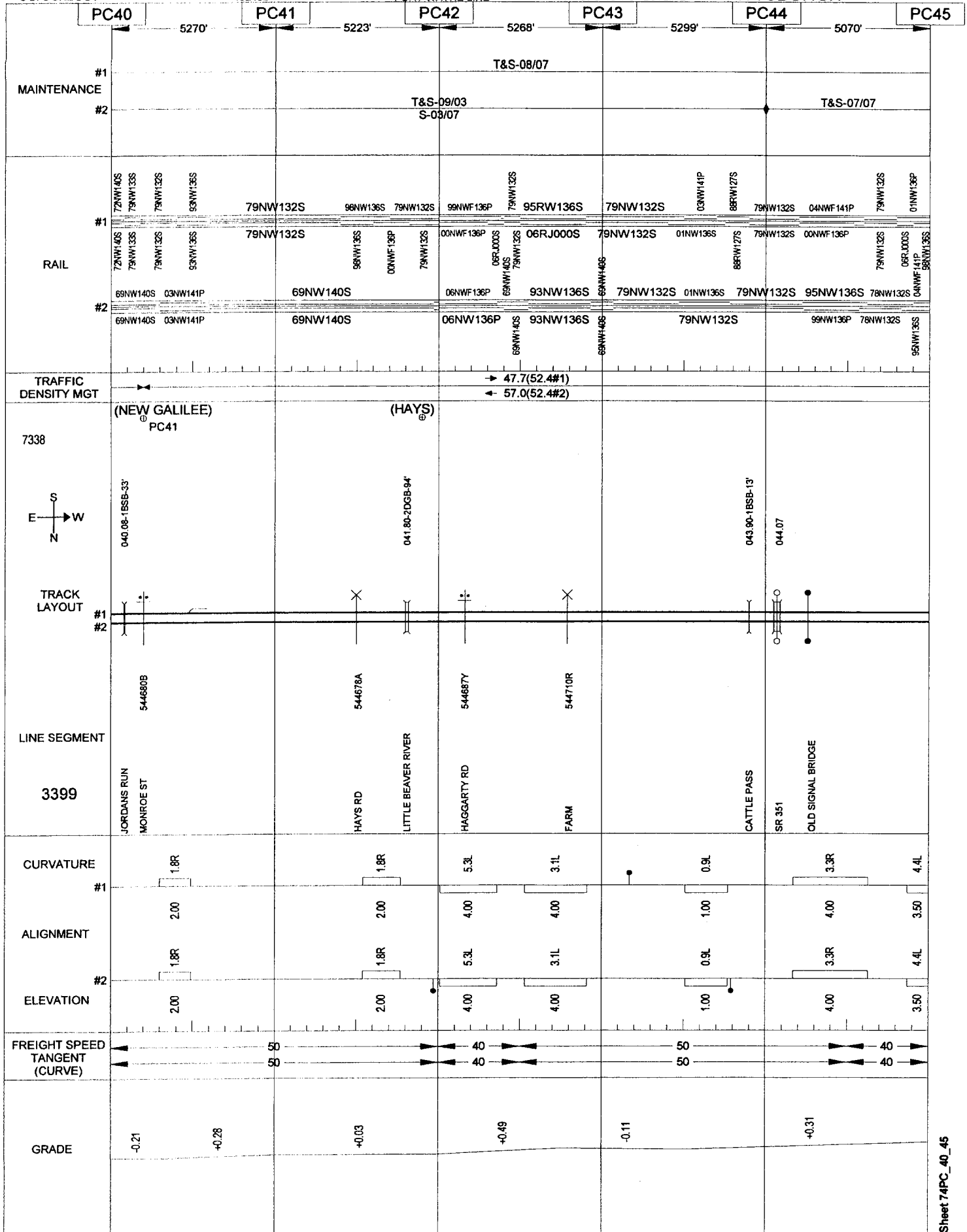
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061

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

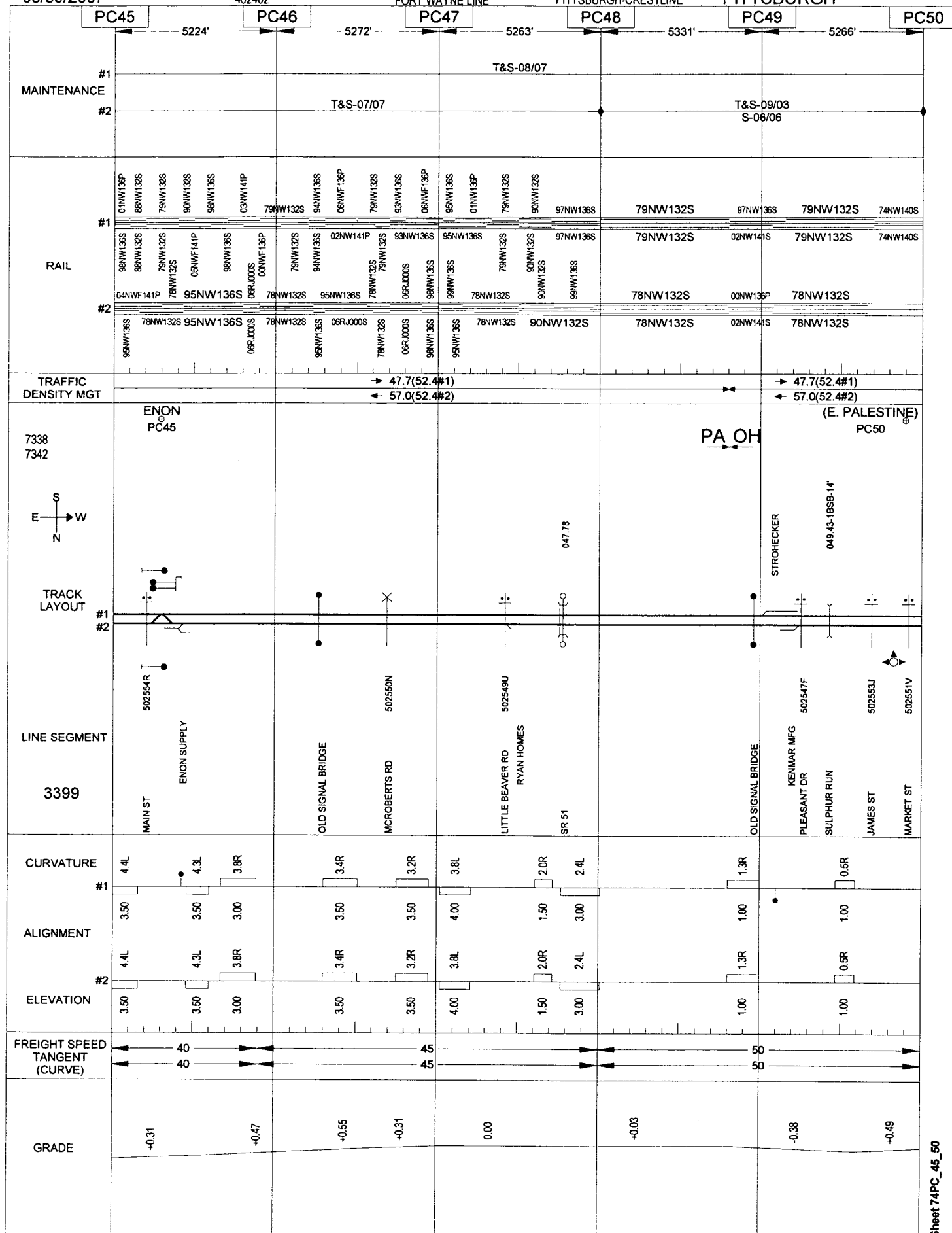
402402

062

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

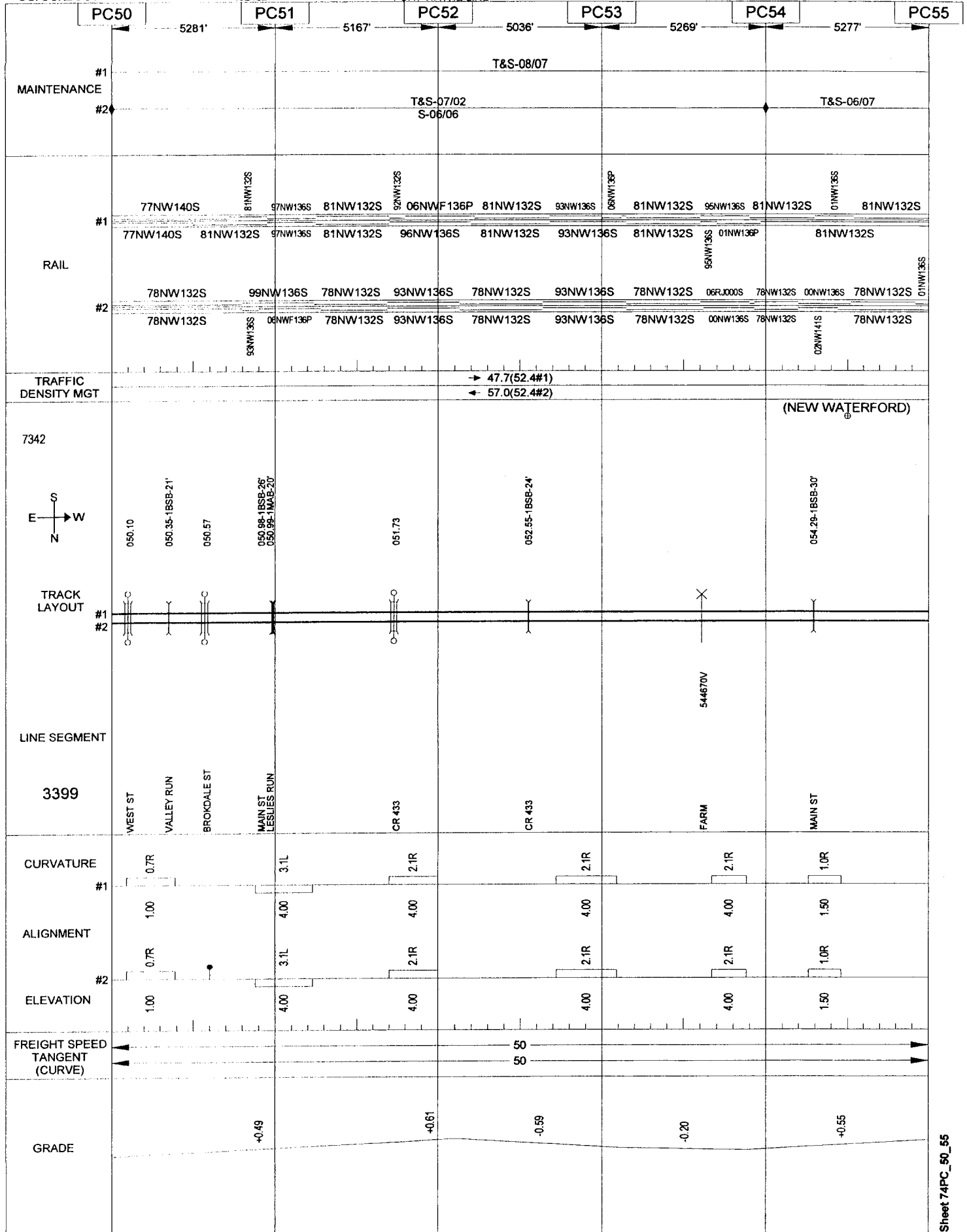
402402

063

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

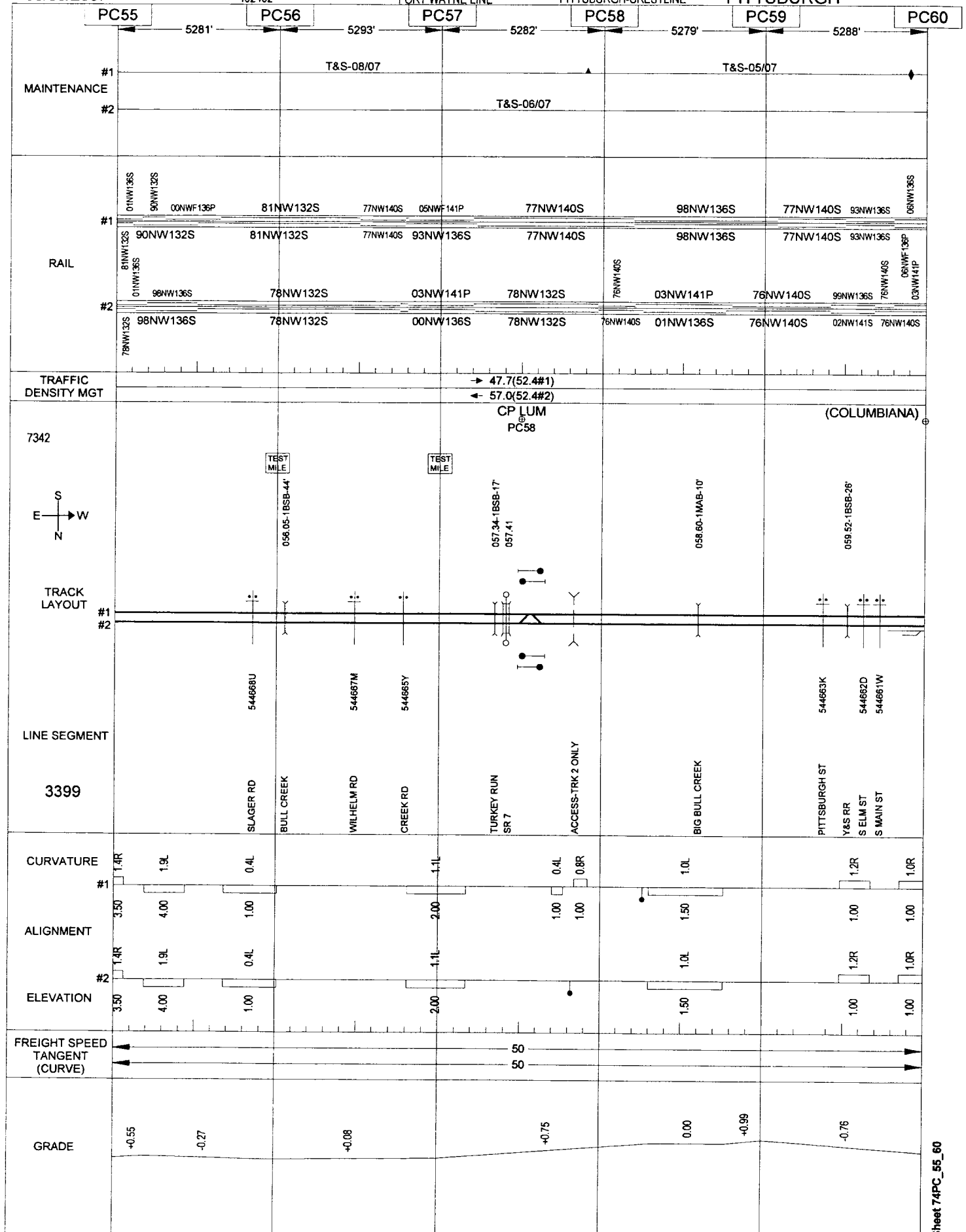
402402

064

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

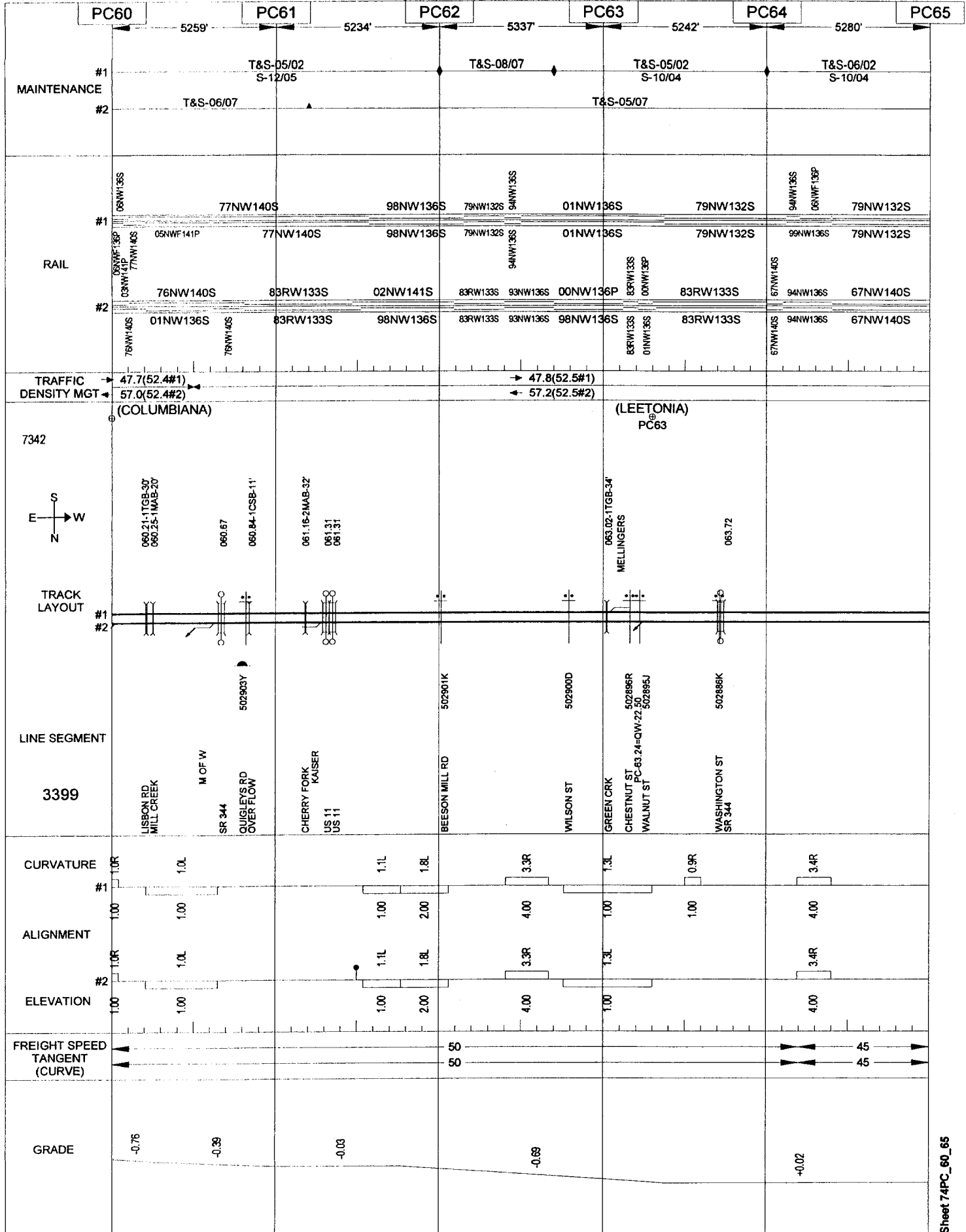
402402

065

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

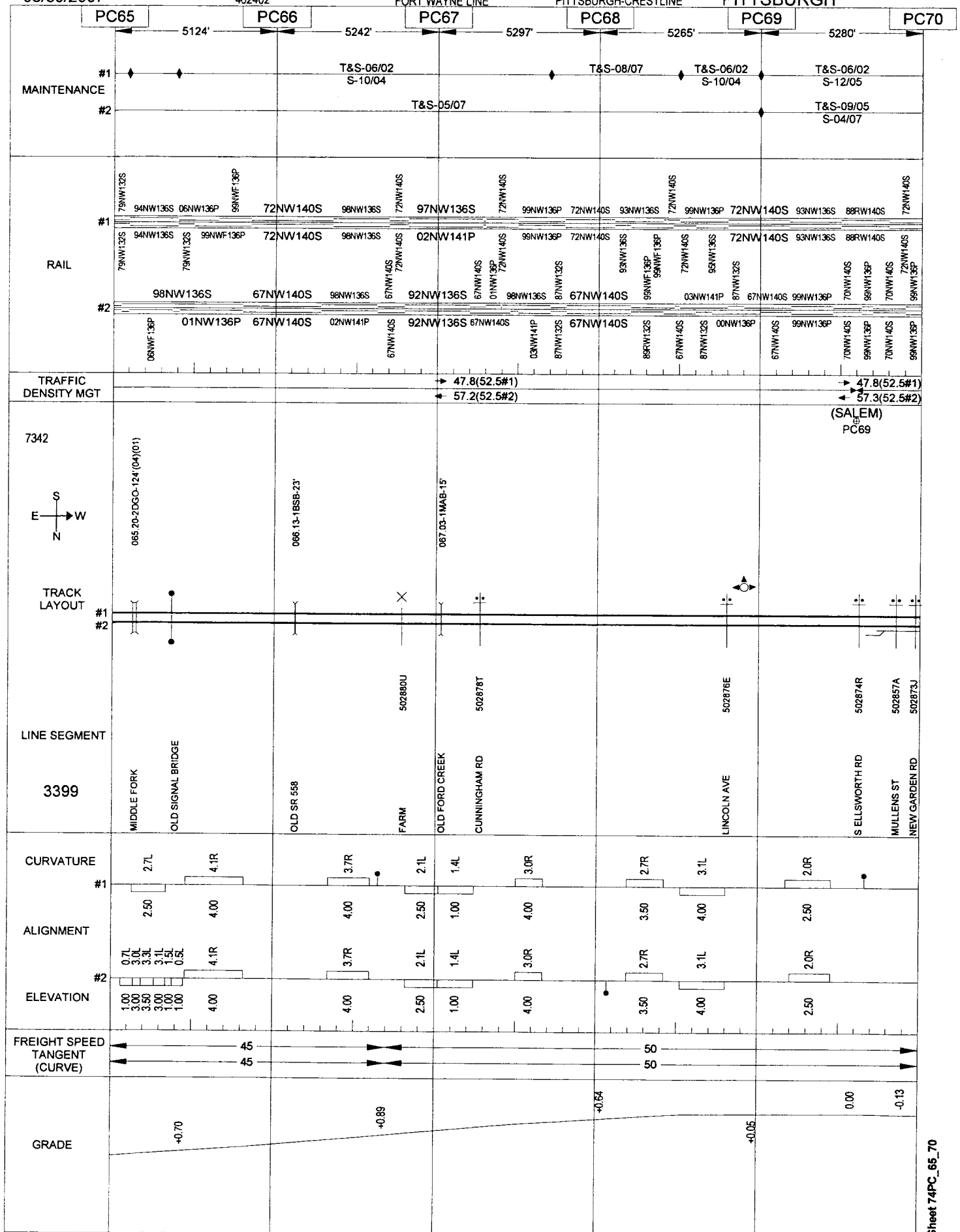
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066

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



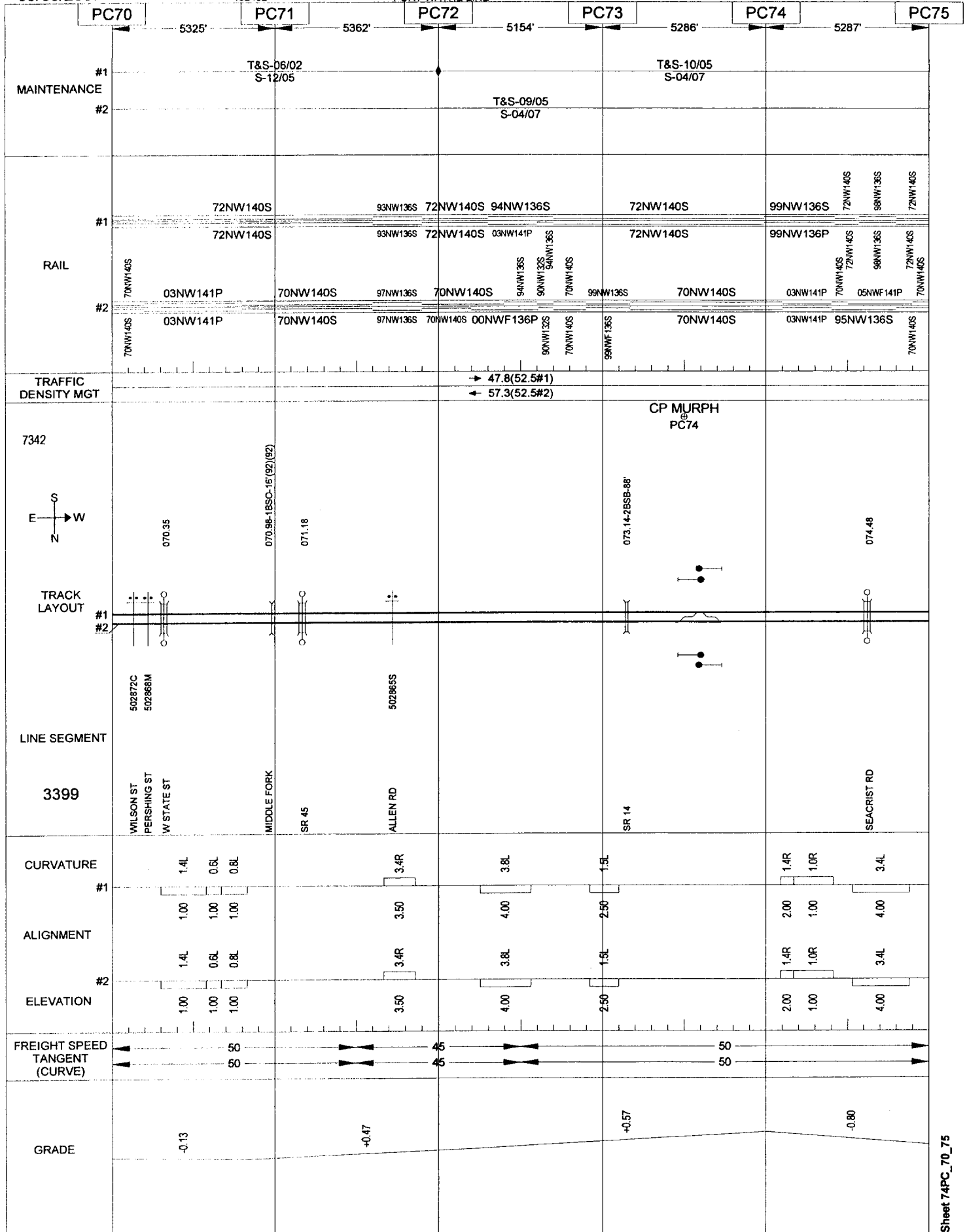
08/30/2007

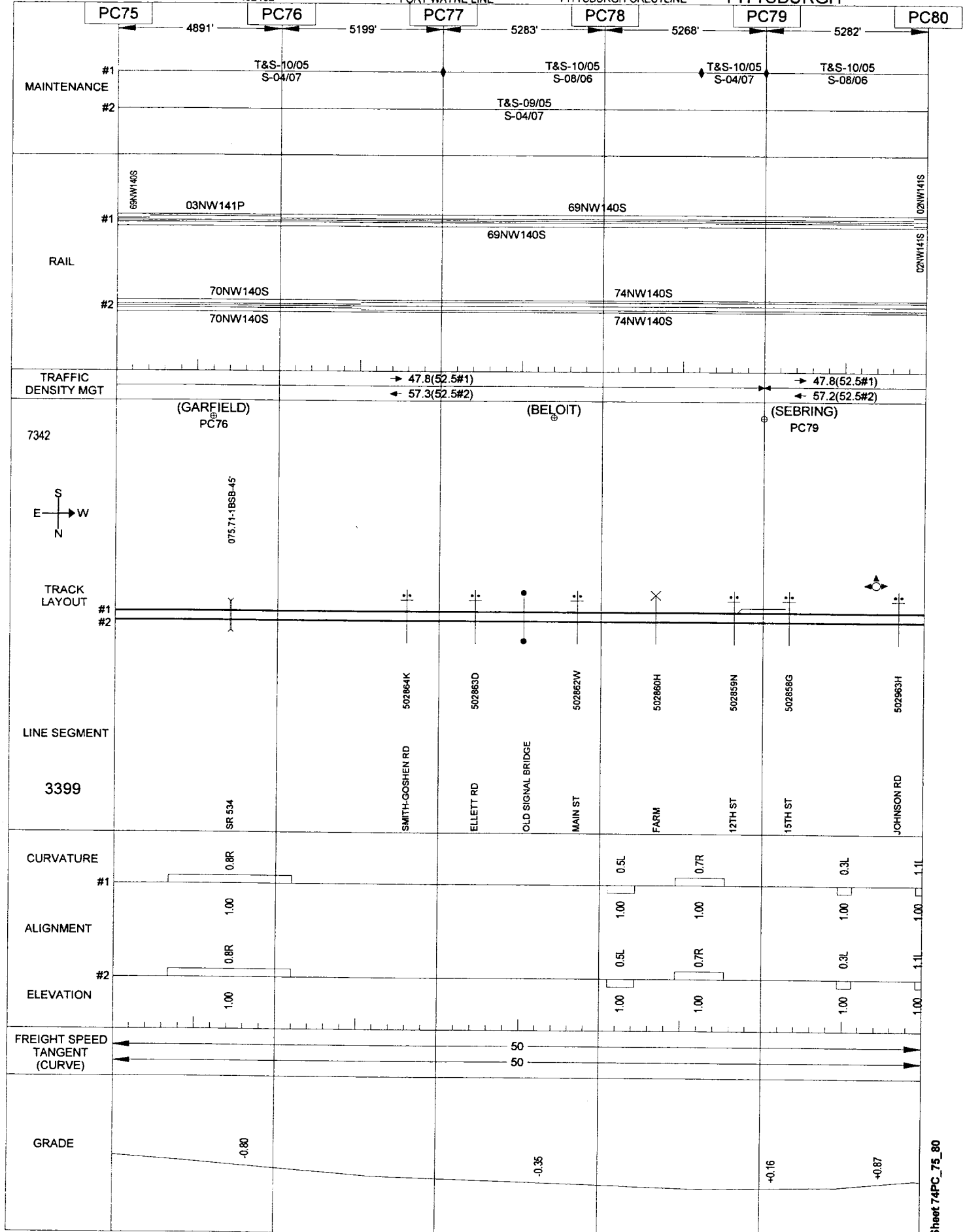
067

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH





08/30/2007

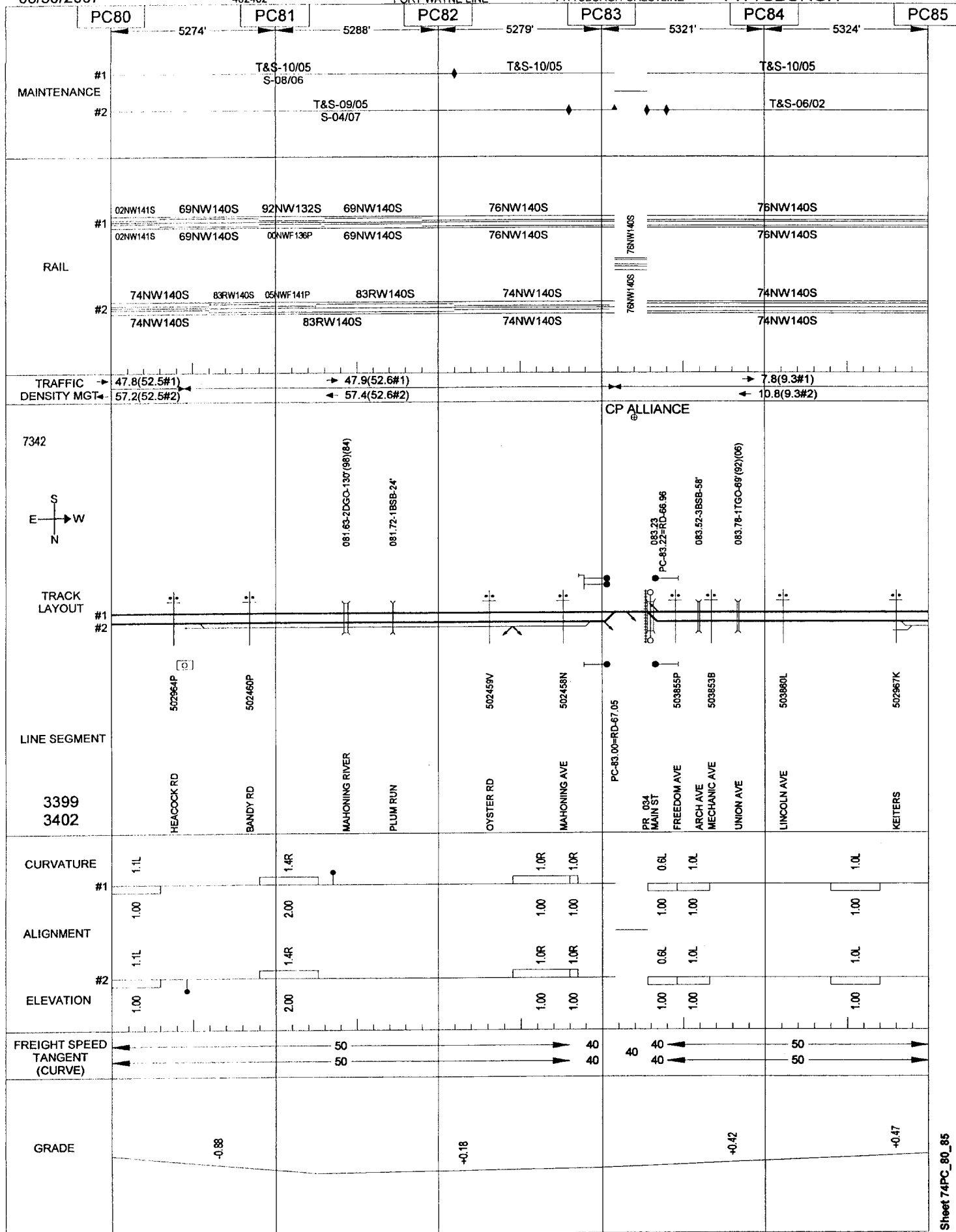
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069

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/31/2007

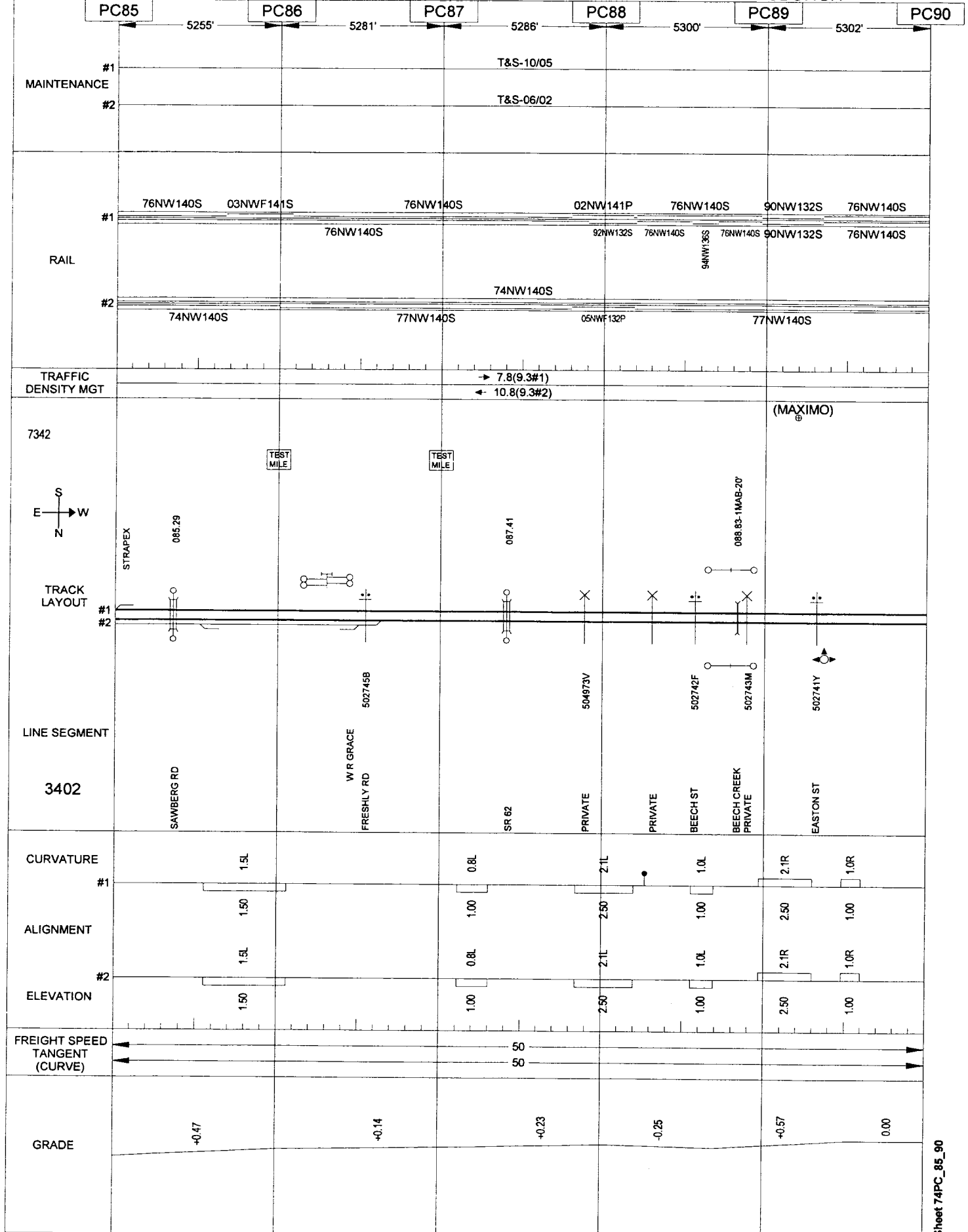
402402

070

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

402402

071

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

PC90

PC91

PC92

PC93

PC94

PC95

5311'

5274'

5354'

5233'

5262'

#1
MAINTENANCE

T&S-10/05

#2

T&S-06/02

RAIL

#1

76NW140S

93NW136S

76NW140S

79NW132S

76NW140S

79NW132S

76NW140S

93NW136S

76NW140S

79NW132S

76NW140S

79NW132S

#2

74NW140S

71NW140S

77NW140S

71NW140S

TRAFFIC
DENSITY MGT→ 7.8(9.3#1)
← 10.8(9.3#2)(LOUISVILLE)
PC95

7342

TRACK
LAYOUT#1
#2

LINE SEGMENT

3402

PARKS RD
502740SPARIS AVE
502739XMAPLE GROVE ST
502738RESHELMAN RD
502737JNIMASHLN CK
502736CMEESE RD
502735CNICKEL PLATE RD
502652GCHAPEL ST
502735V

CURVATURE

#1

0.9R

2.0R

0.5R

1.5R

1.0L

2.1L

ALIGNMENT

#2

0.9R

2.0R

0.5R

1.5R

1.0L

2.1L

ELEVATION

#2

1.00

2.00

1.00

1.50

1.00

2.50

FREIGHT SPEED
TANGENT
(CURVE)50
50

GRADE

0.00

-1.06

-0.41

-0.32

08/30/2007

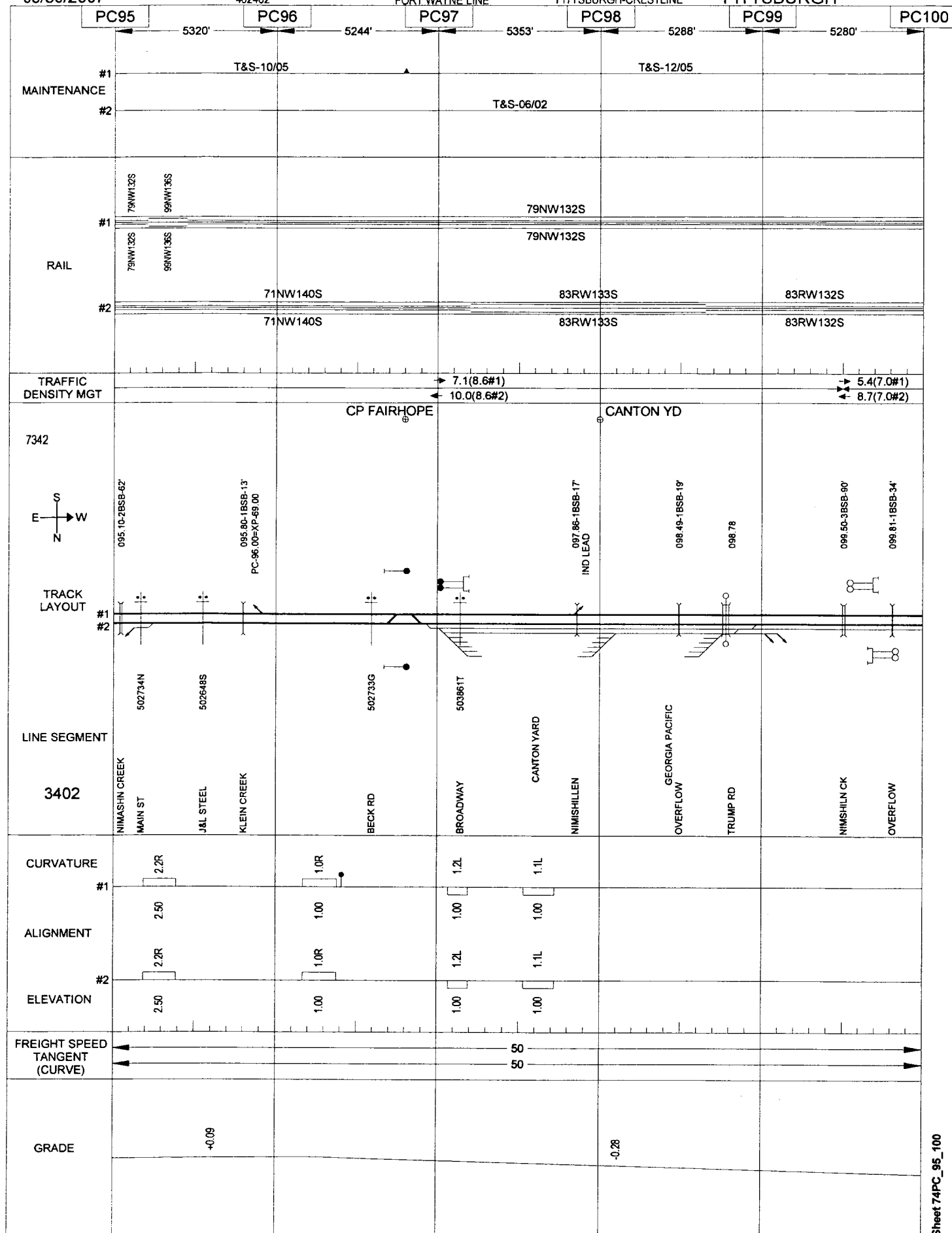
402402

072

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

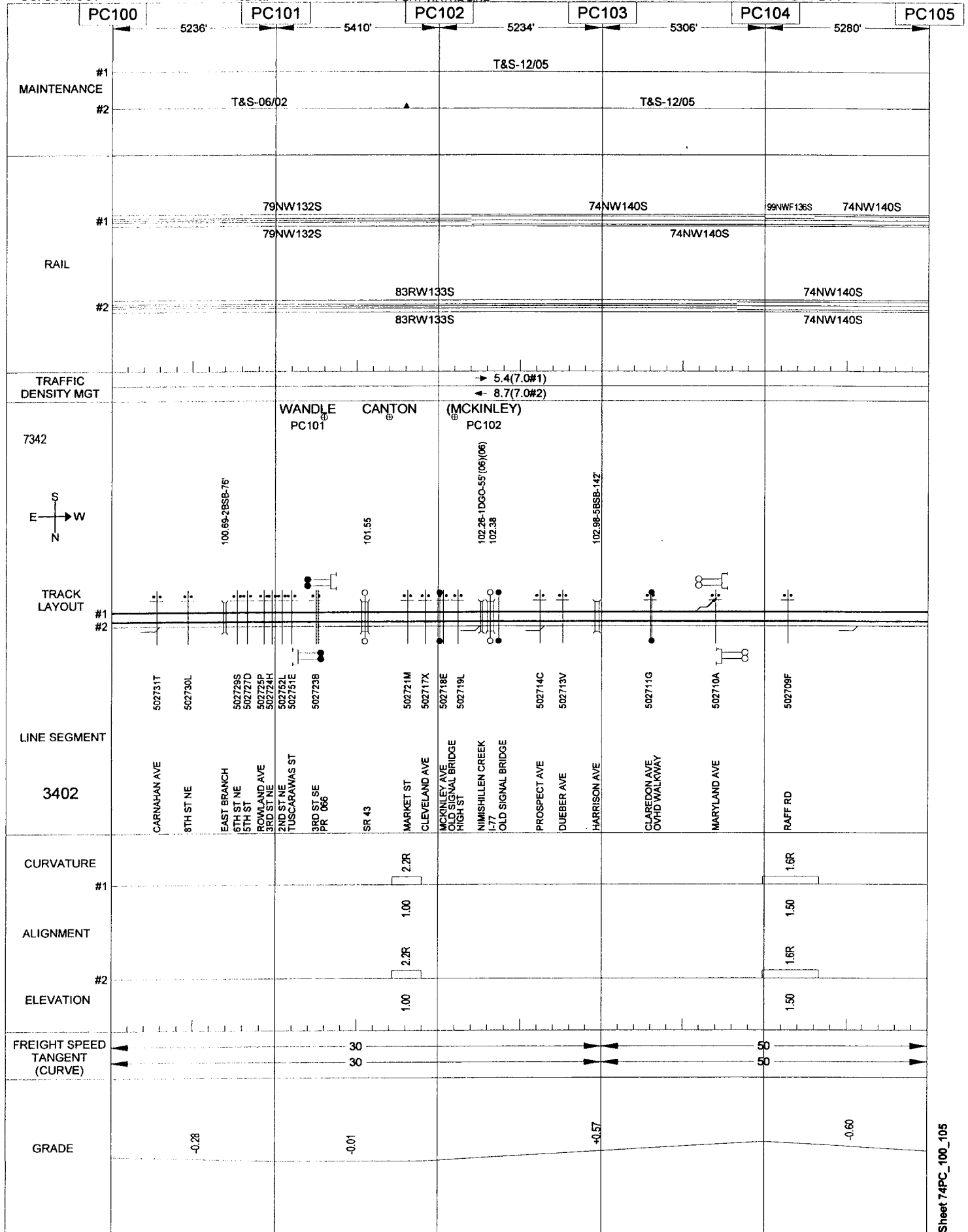
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073

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

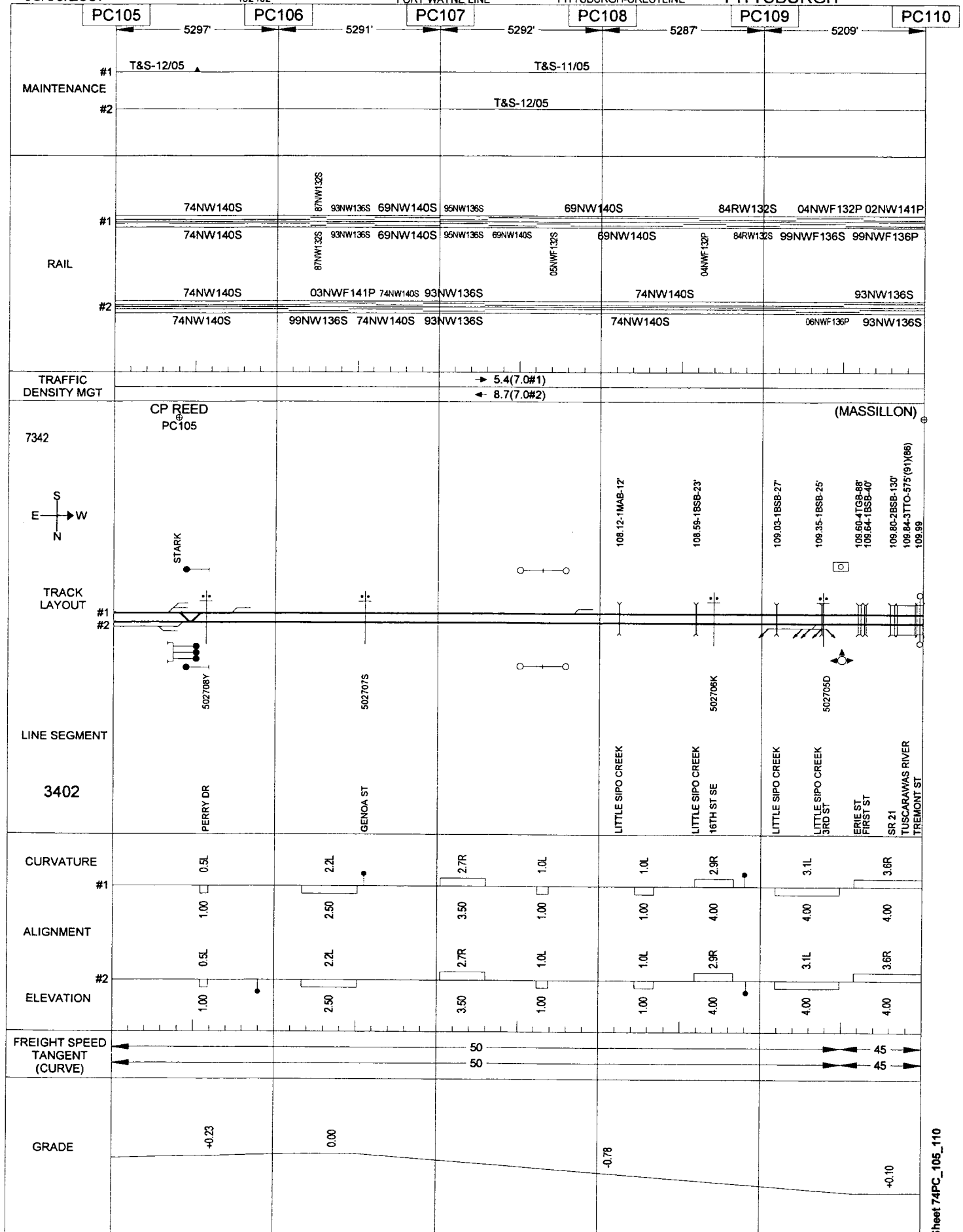
402402

074

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/31/2007

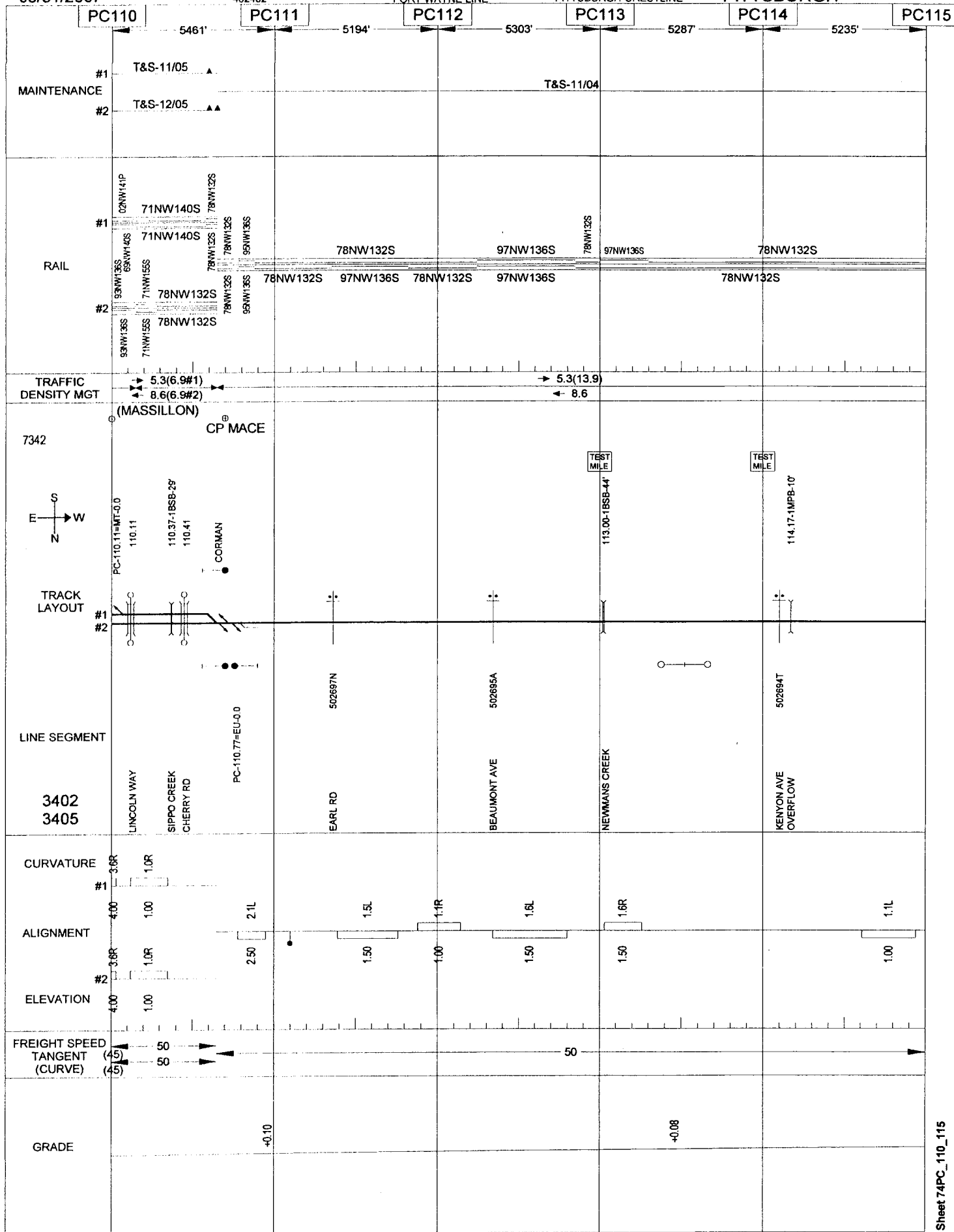
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075

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

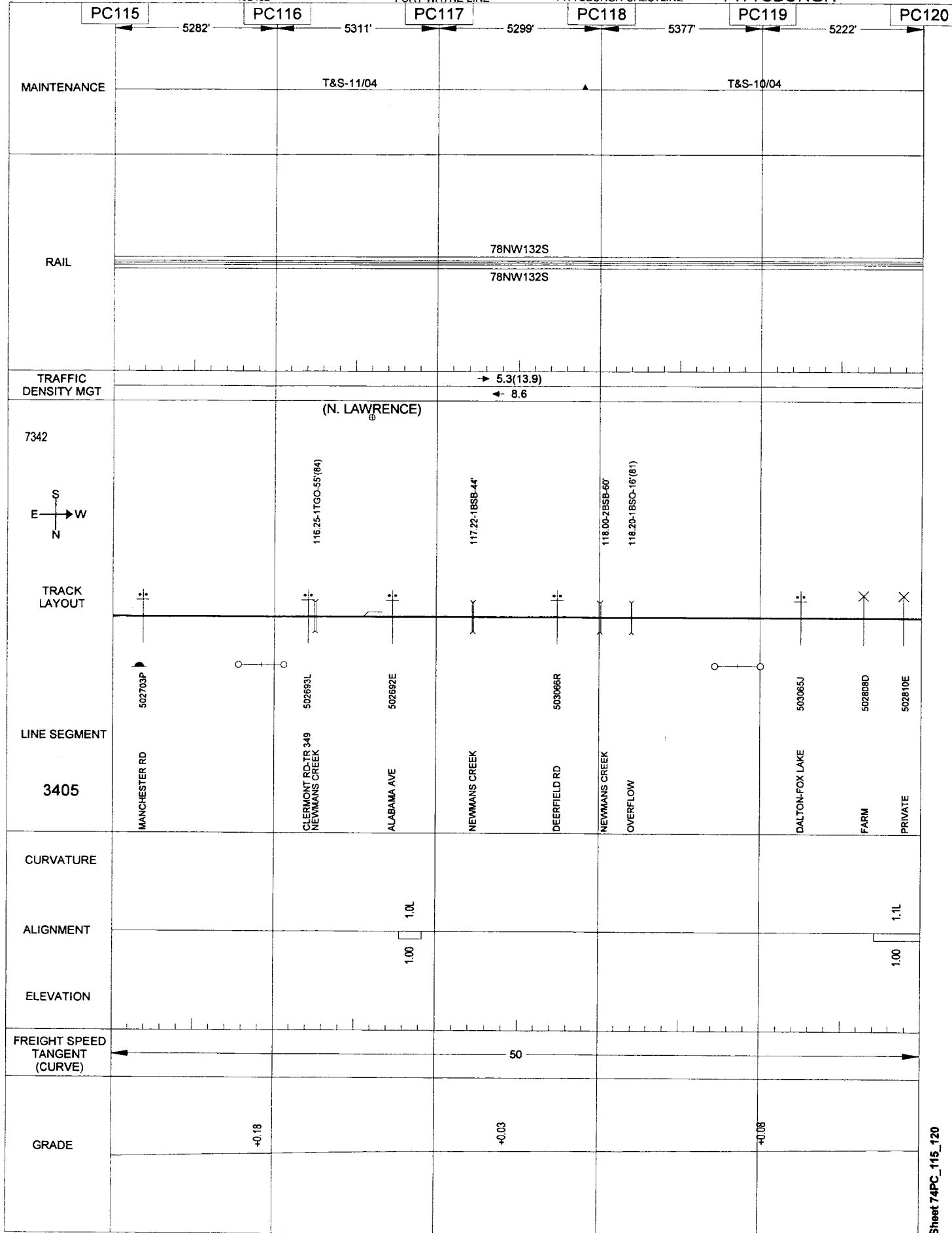
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076

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

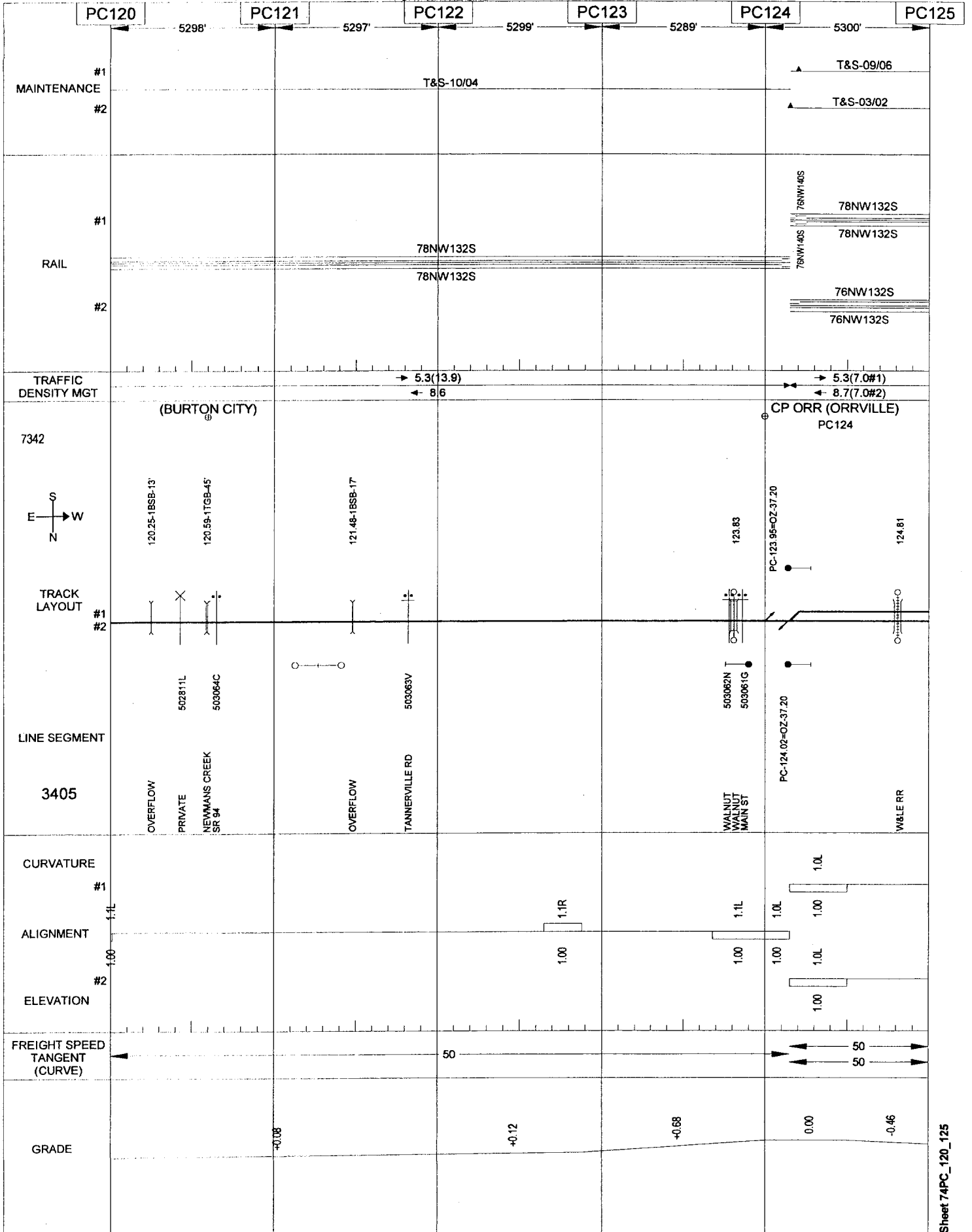
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077

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



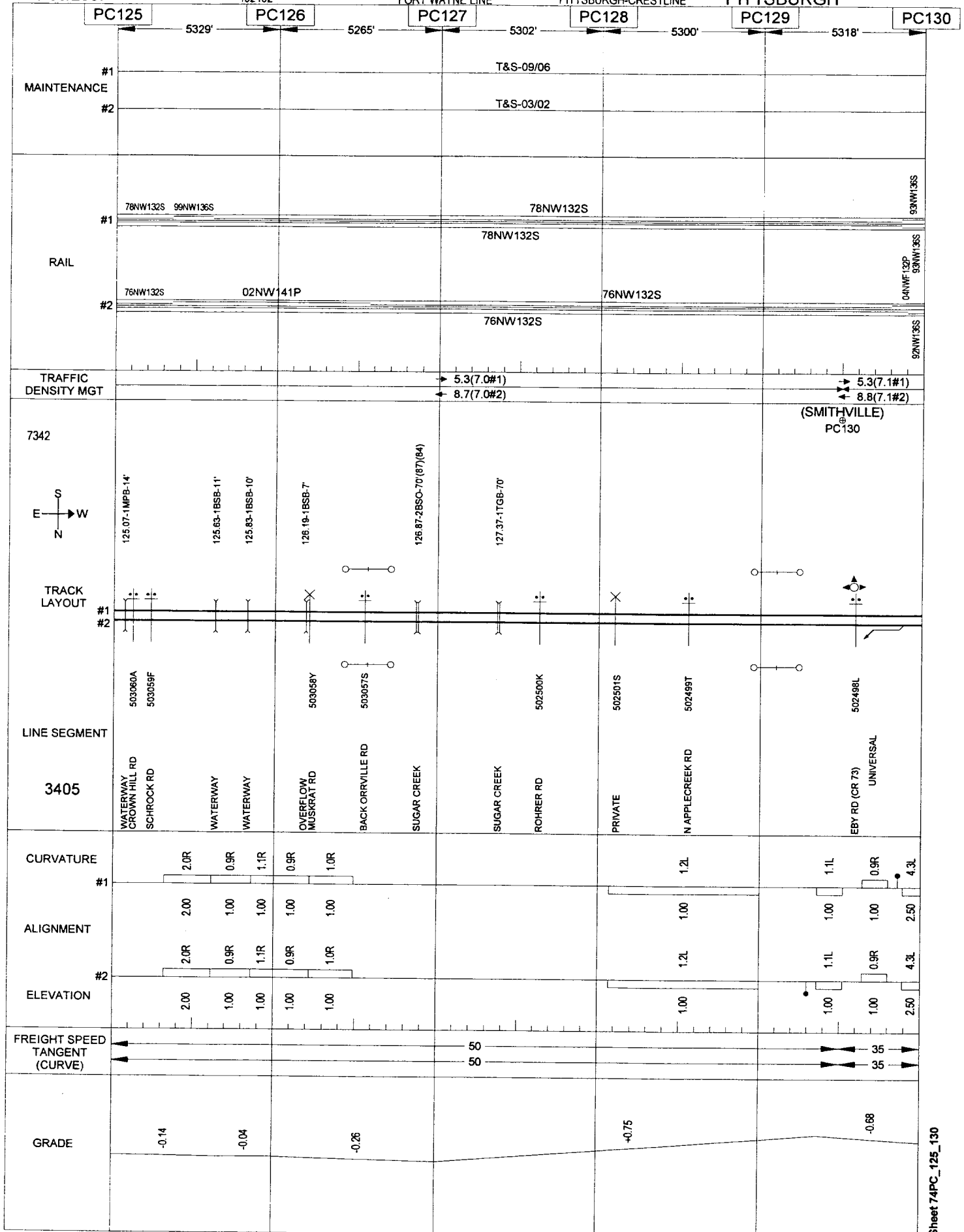
08/30/2007

078

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

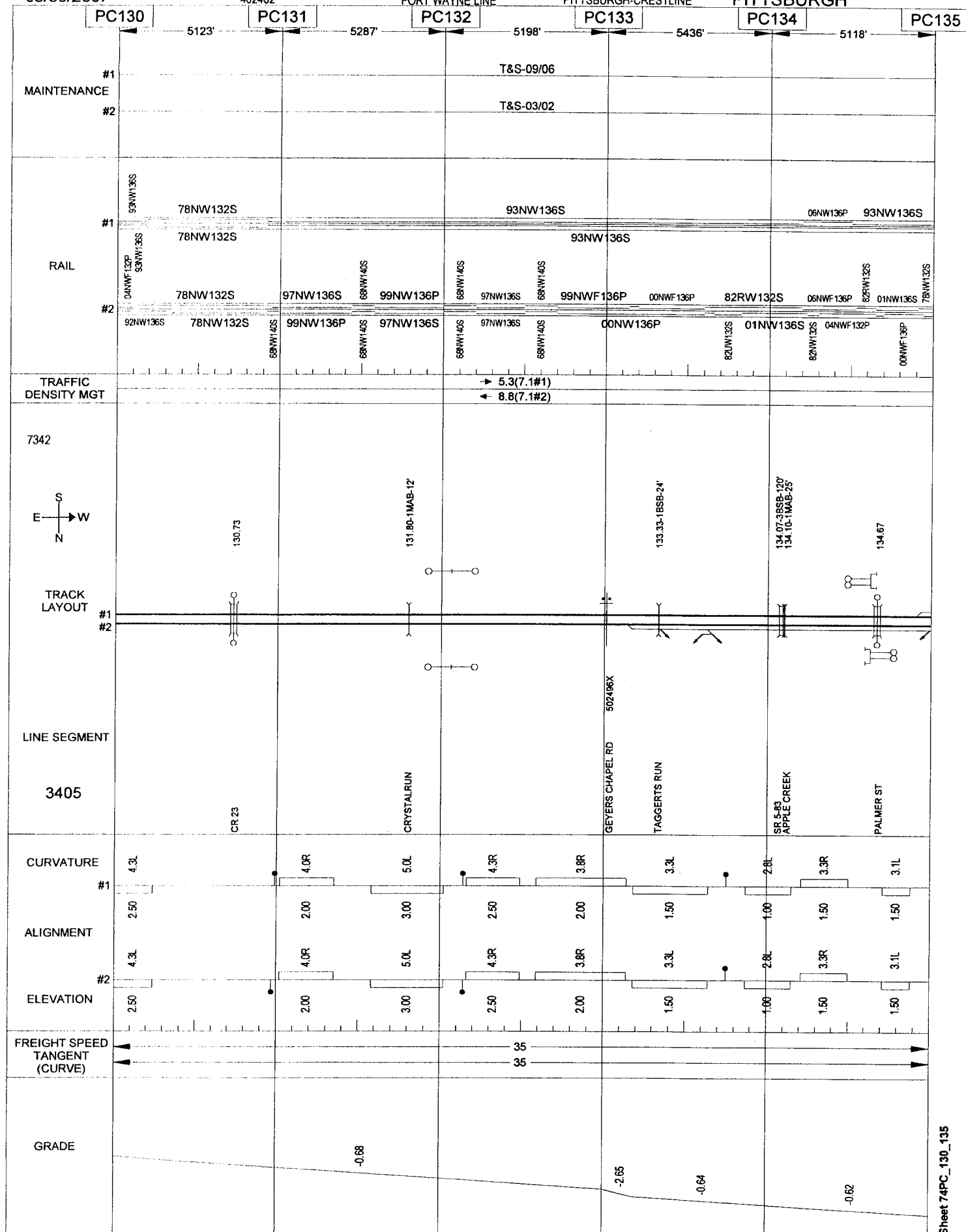
402402

079

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

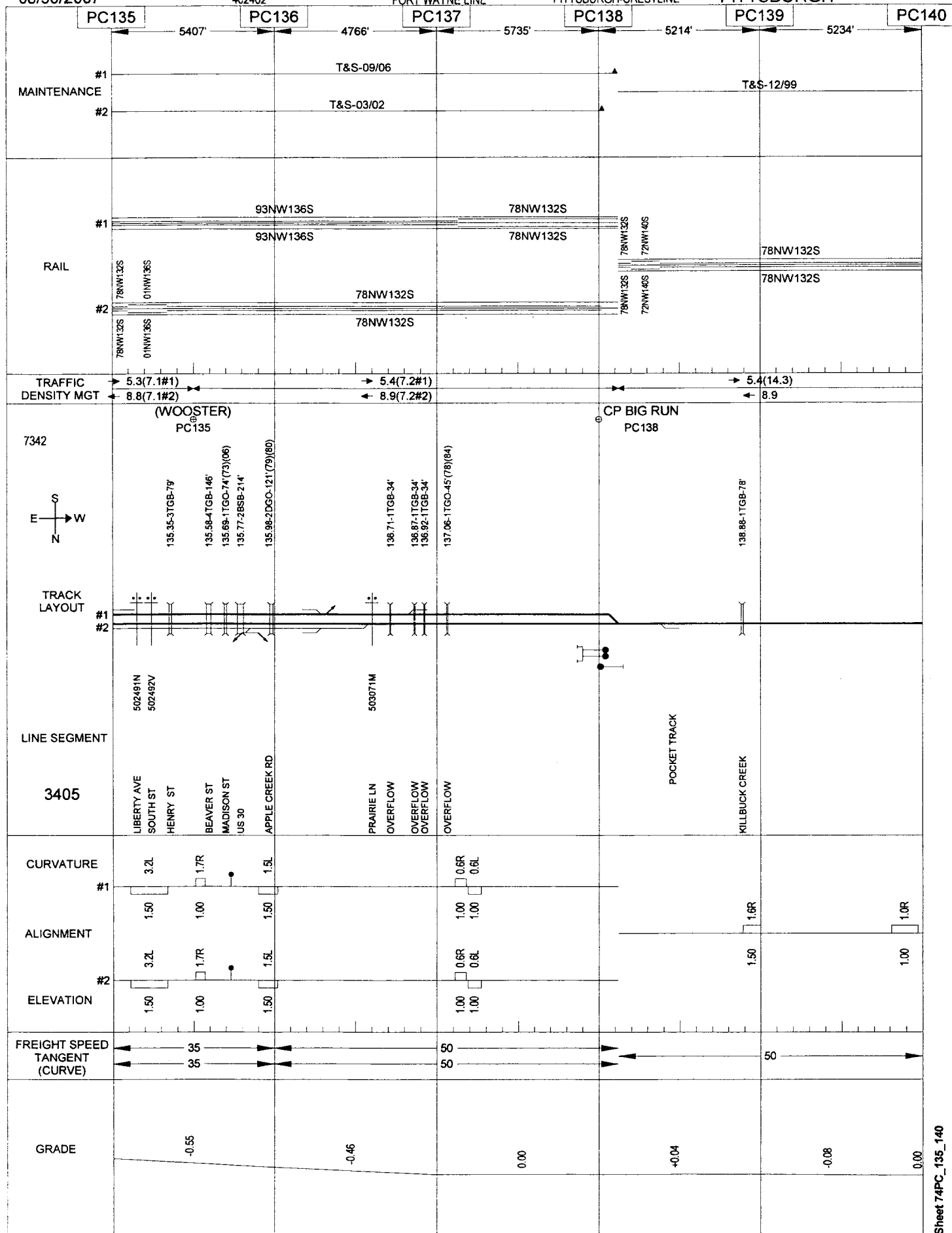
402402

080

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

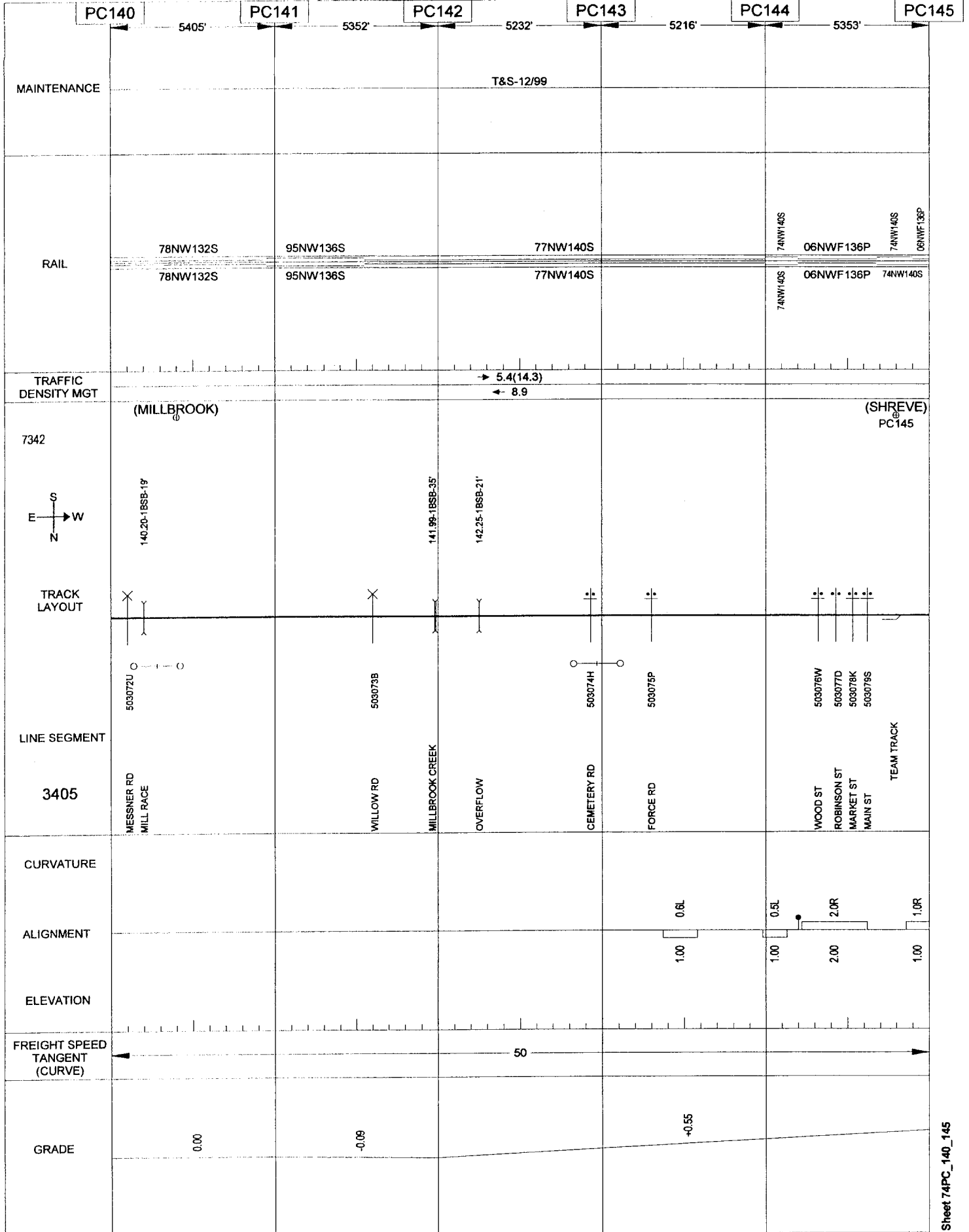
402402

081

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

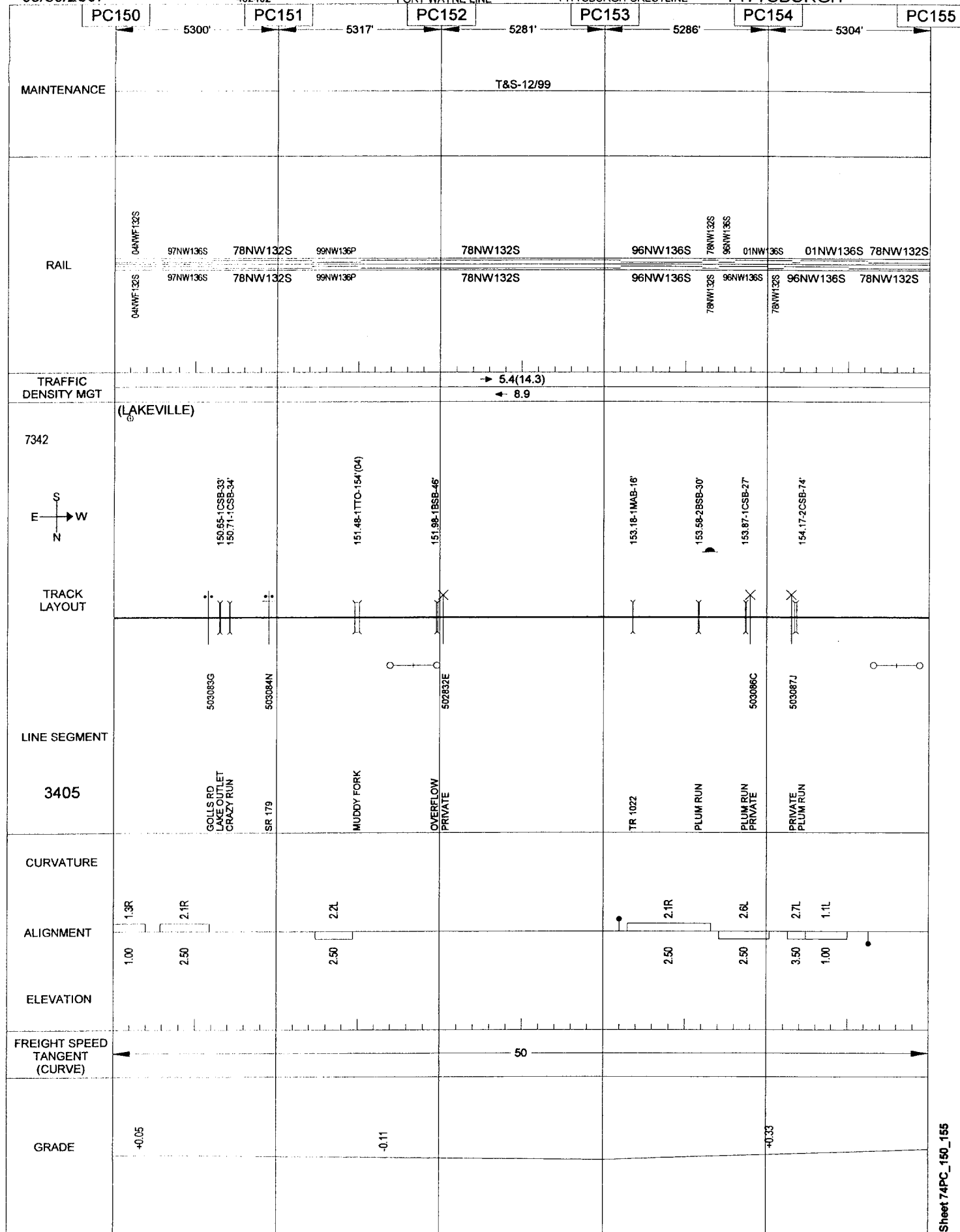
402402

083

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

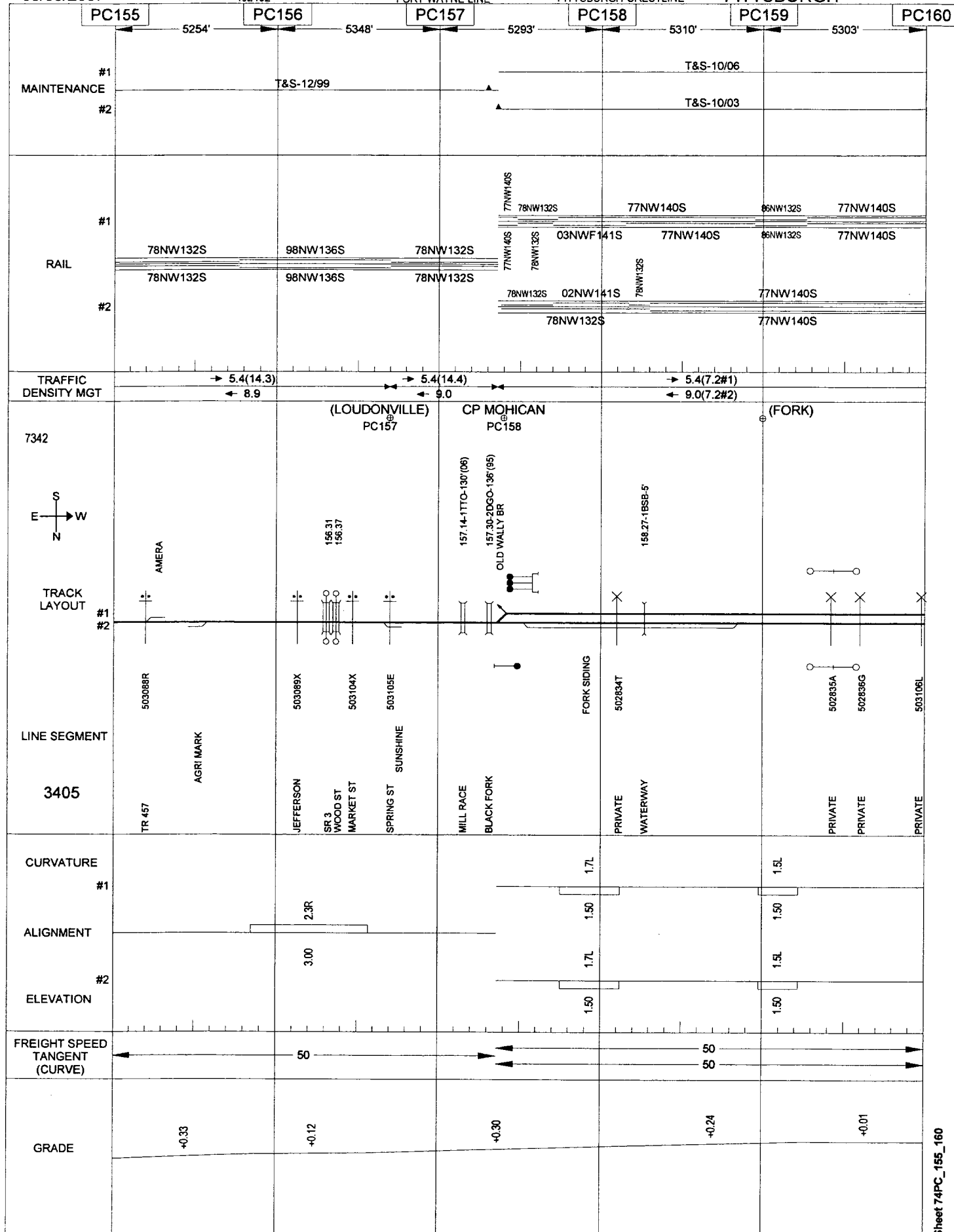
402402

084

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

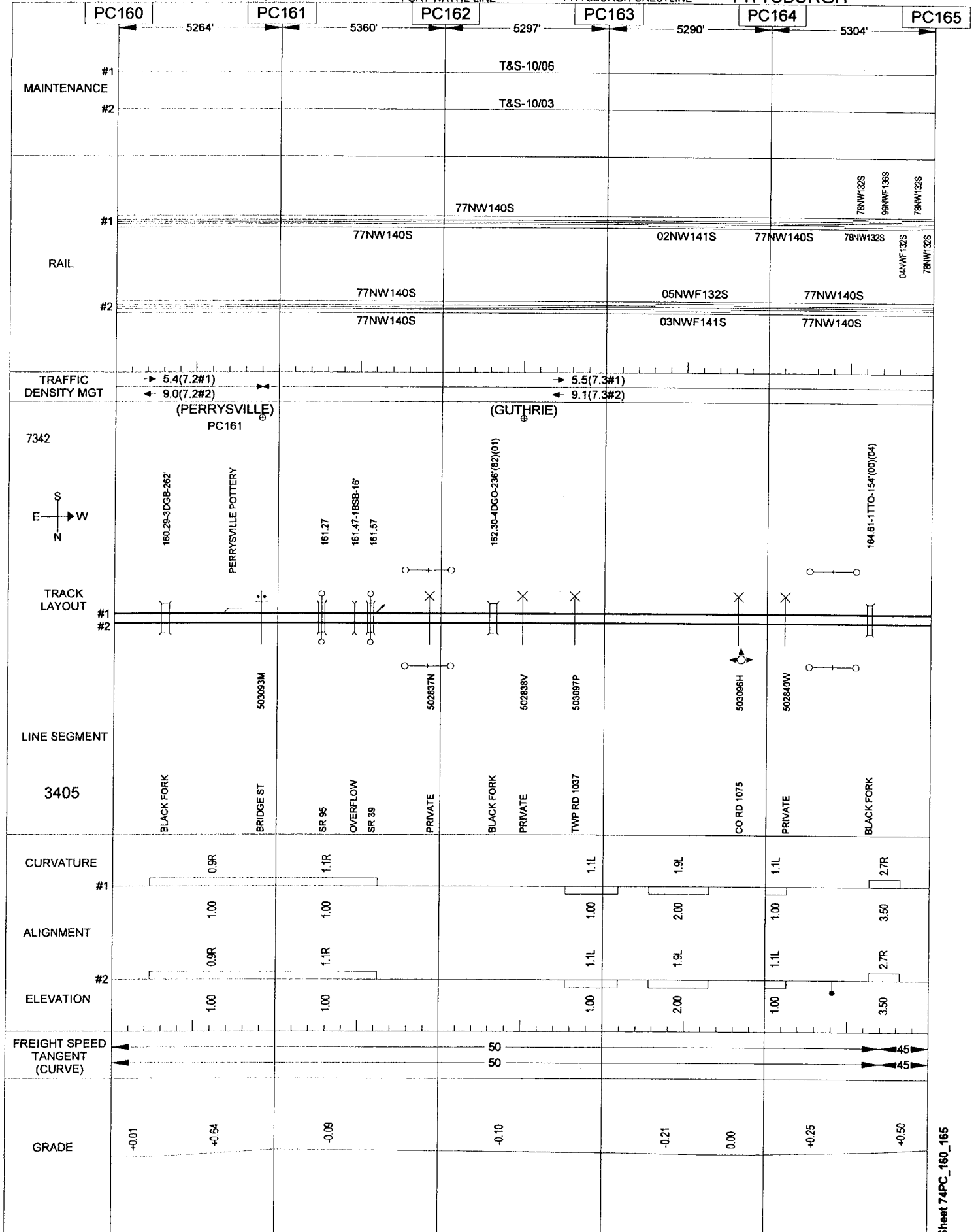
402402

085

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



PC175

531:

T&S-05/06

73NW140S

73NW140S

79NW140S 78NW132S

79NW140S 78NW132S

→ 5.5(7.3#1)
← 9.1(7.3#2)

LYNCH	CP MANS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

#1
#2

3405

#1

#2

- 50
- 50

0.05

08/30/2007

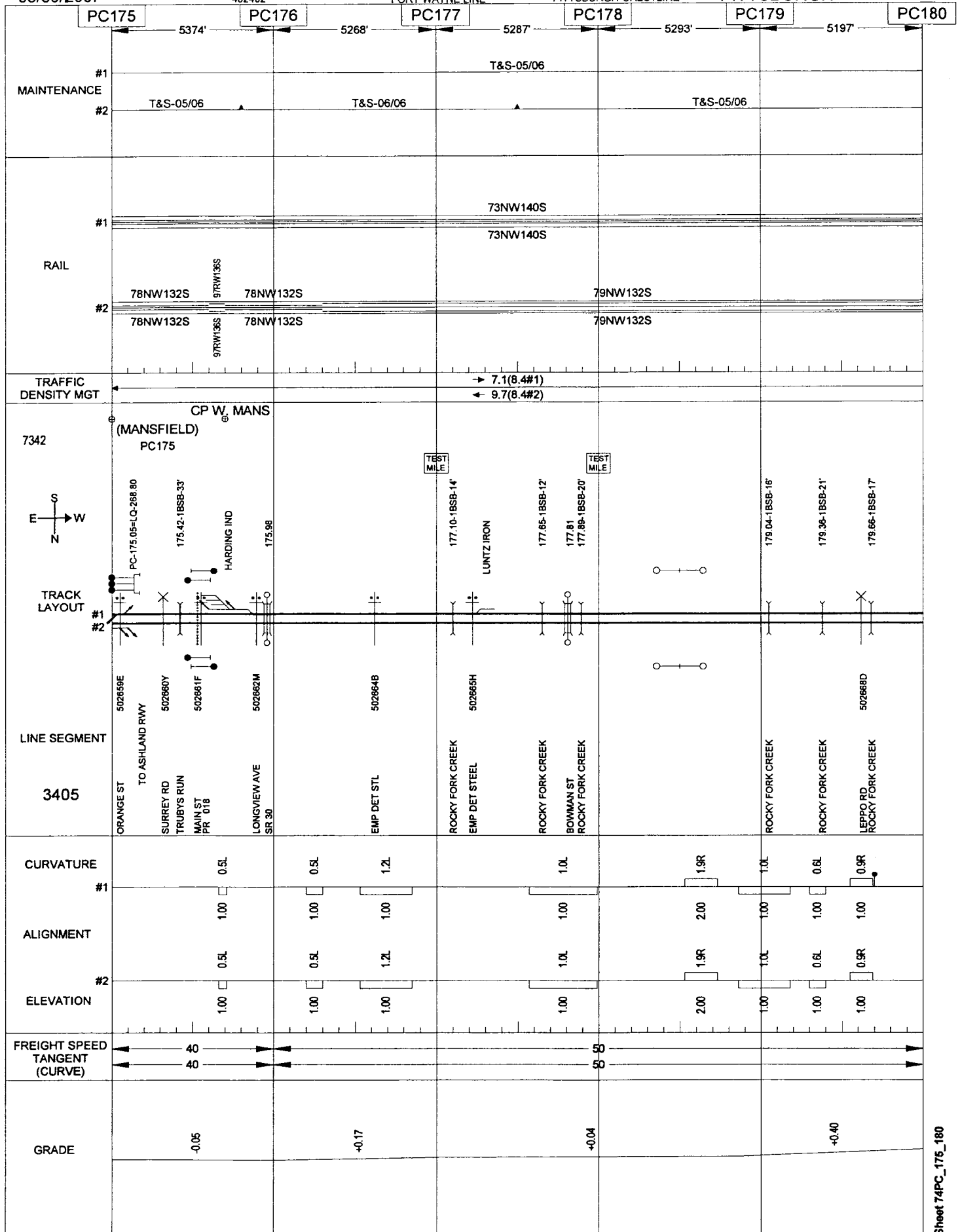
402402

088

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

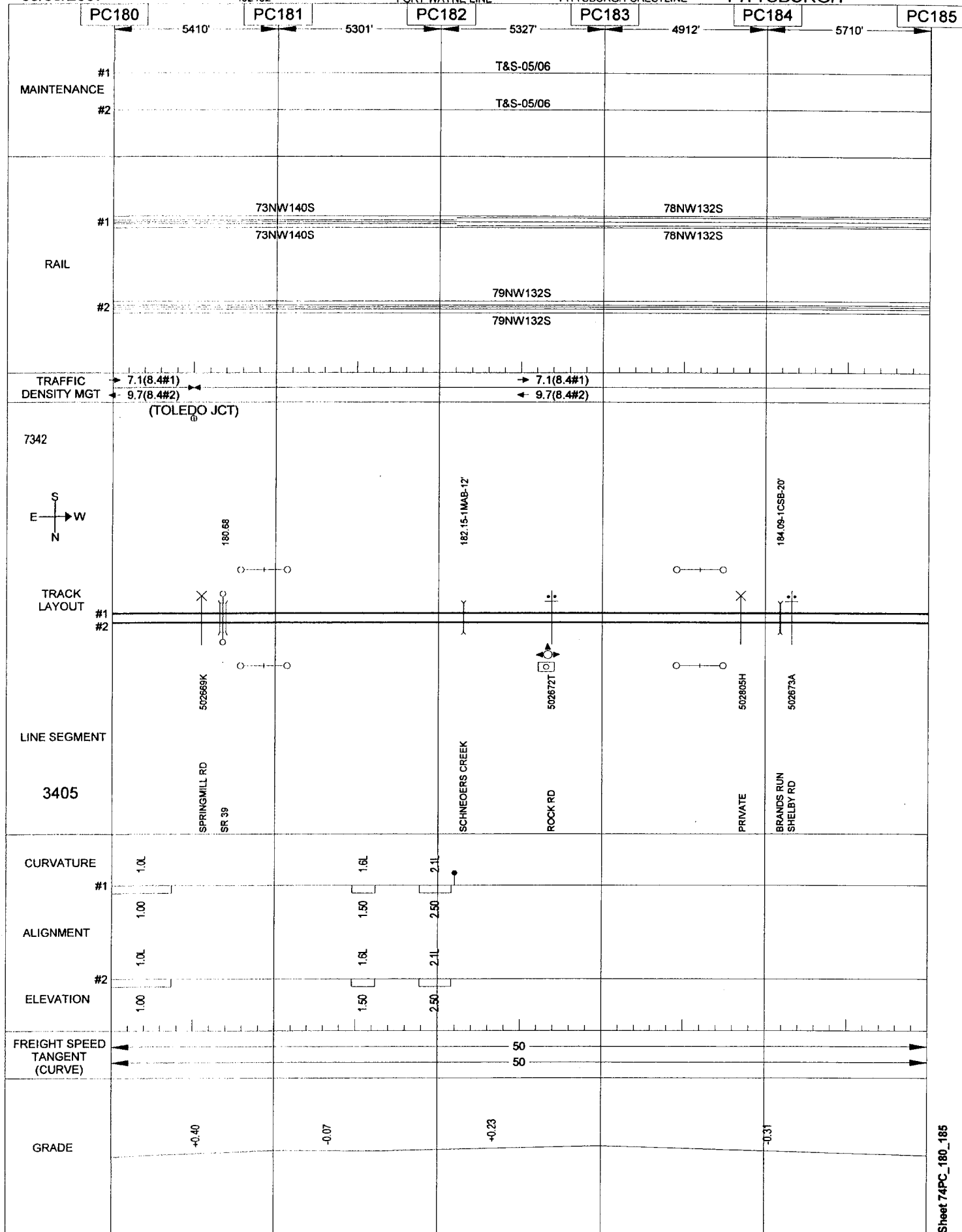
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089

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

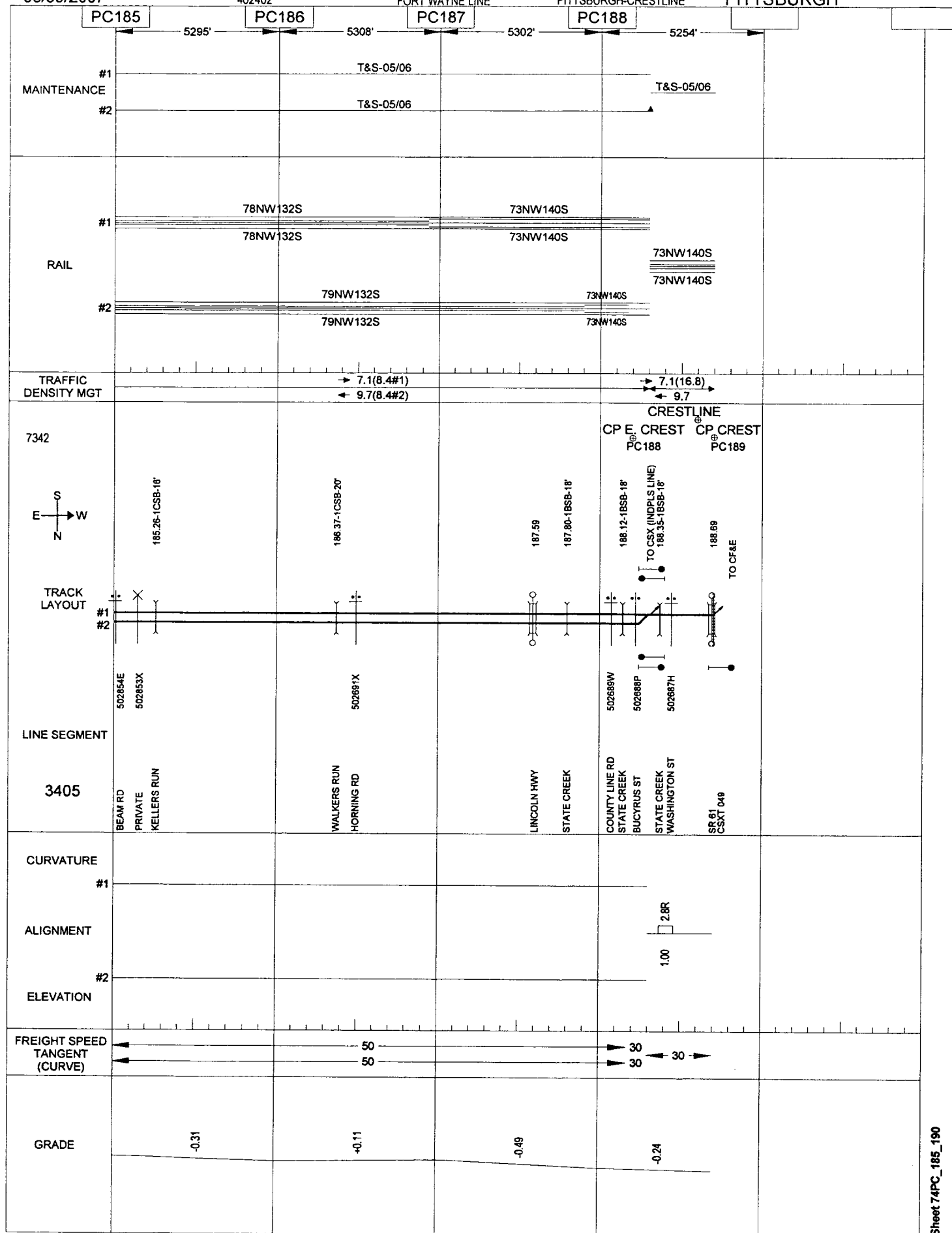
402402

090

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH



08/30/2007

402230

091

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH

RD0

RD1

RD2

RD3

RD4

RD5

5234'

5157'

5253'

5279'

5278'

#1

MAINTENANCE

#2

T&S-03/03

T&S-09/04

RAIL

#1

#2

77RW131S

77RW140S

77RW131S

77RW140S

77RW131S

77RW140S

77RW131S

77RW140S

77NW140S

77NW140S

77NW140S

77NW140S

77NW140S

77NW140S

77NW140S

77NW140S

TRAFFIC
DENSITY MGT

→ 5.0(5.8#1)

← 6.5(5.8#2)

7431

CP ROCHESTER

(BEAVER)

(VANPORT)

(MERRILL)



RD-0.0PC-25.85

TRACK
LAYOUT

#1

#2

LINE SEGMENT

3474

000.07-4MSO-714(81)

000.42

510395N

510395G

002.74
002.76-1MAB-17

003.21

003.42-1BSB-11'

004.47-1DGO-43(97)(78)

BEAVER RIVER ROAD

BANK LANE RD

CSXT

WATERWORKS

SR 60
TWO MILE RUN

PRIVATE

SR 68

WATERWAY

FOUR MILE RUN

CURVATURE

#1

2.8L

2.00

2.1R

1.00

2.8R

2.00

0.7R

1.00

0.4R

1.00

0.6L

1.00

1.3L

1.00

0.5R

1.00

0.5L

1.00

0.9R

1.00

1.6R

1.00

ALIGNMENT

#2

2.8L

2.00

2.1R

1.00

2.8R

2.00

0.7R

1.00

0.4R

1.00

0.6L

1.00

1.3L

1.00

0.5R

1.00

0.5L

1.00

0.9R

1.00

1.6R

1.00

ELEVATION

#1

2.00

1.00

2.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

#2

2.00

1.00

2.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED
TANGENT
(CURVE)

40

40

40

GRADE

0.00

+0.30

0.00

+0.18

-0.02

0.00

08/30/2007

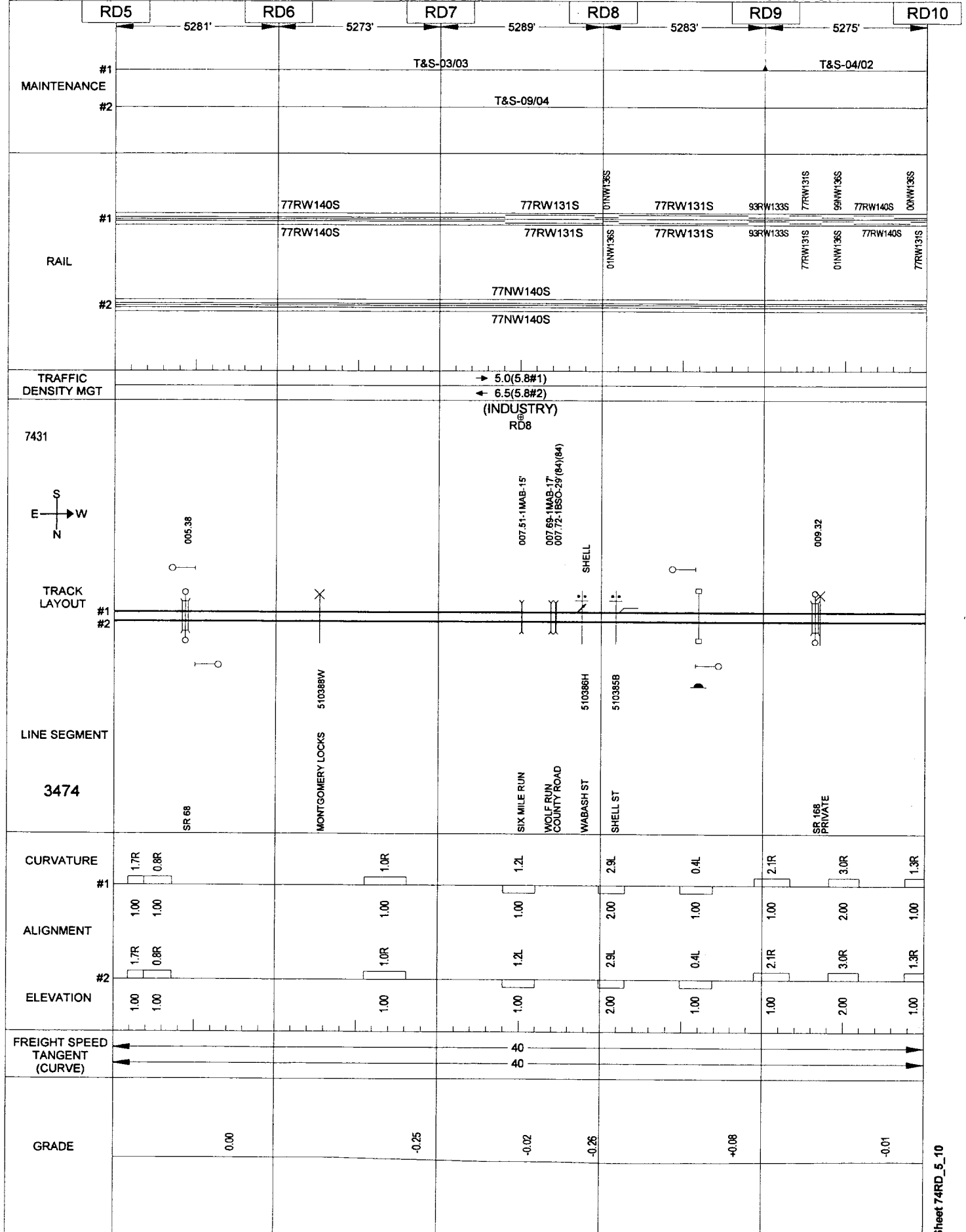
402230

092

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

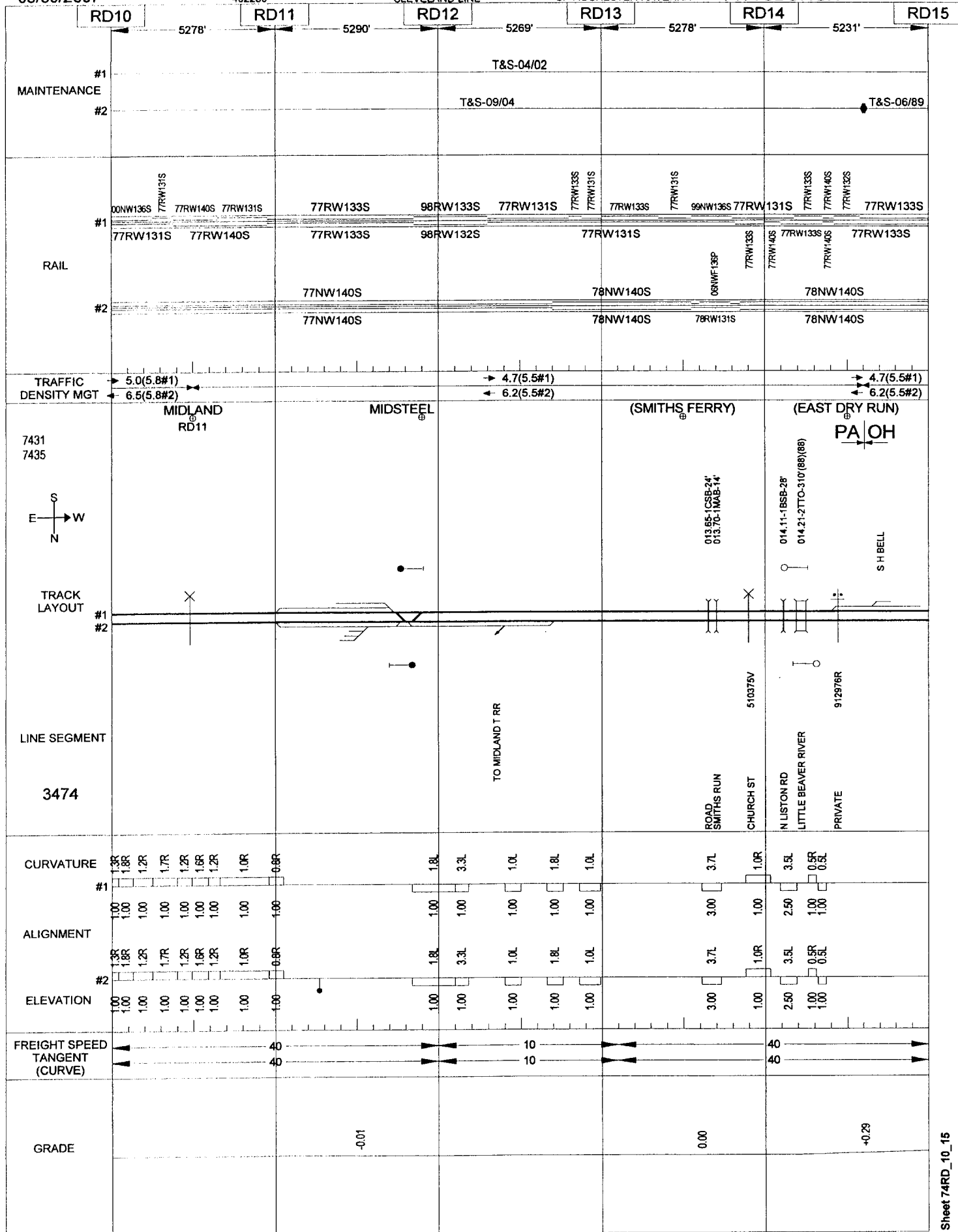
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093

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

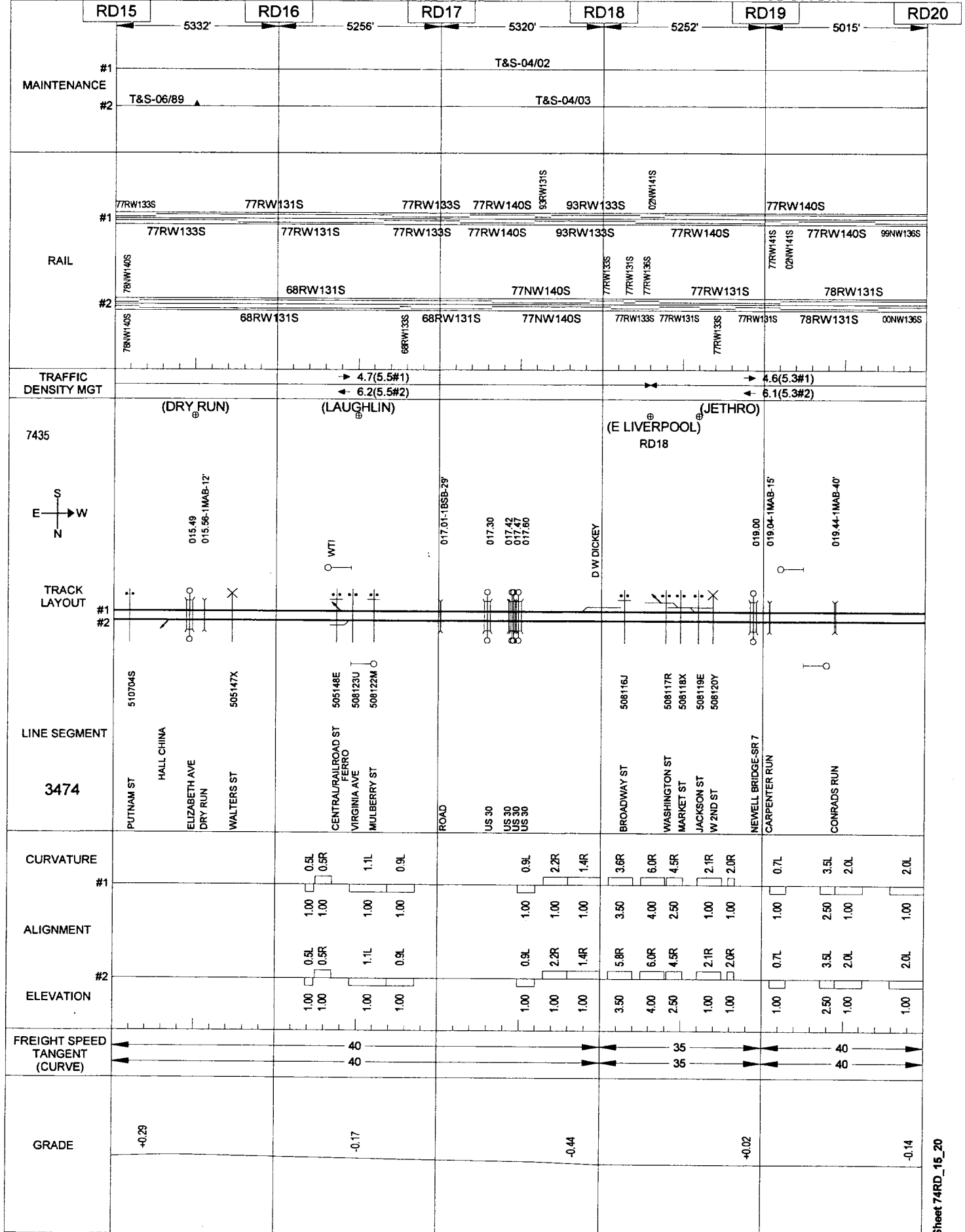
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094

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

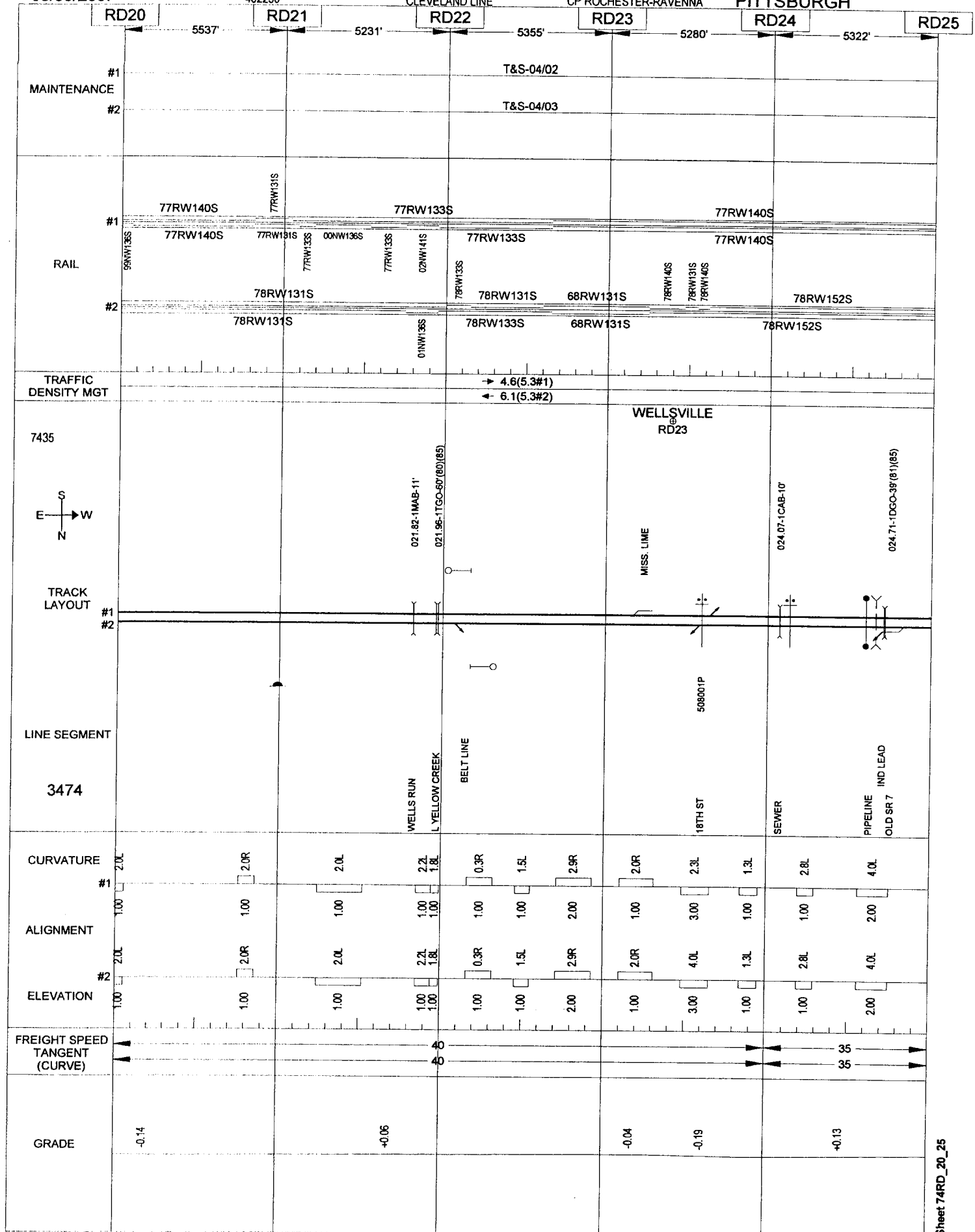
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095

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



09/04/2007

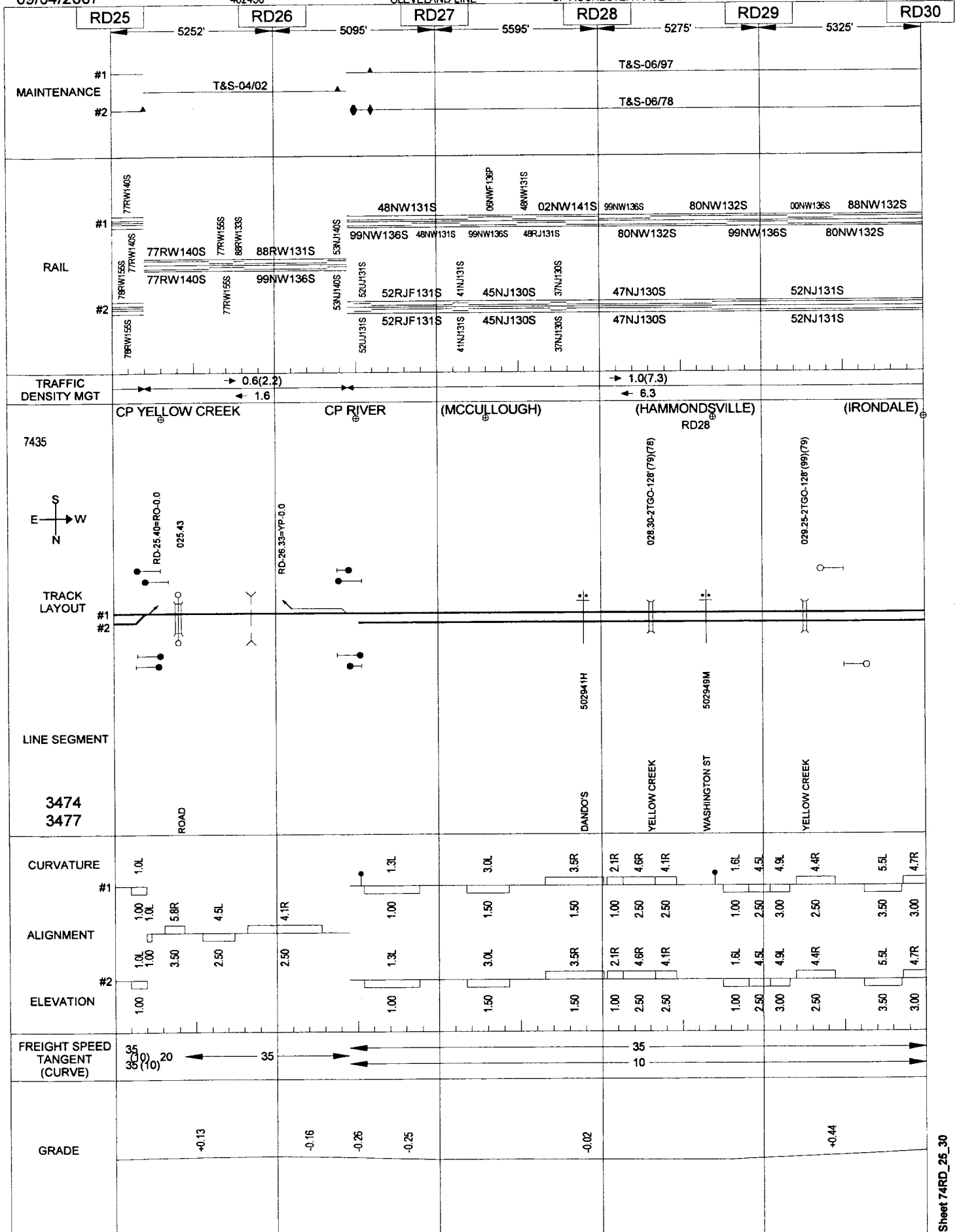
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096

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

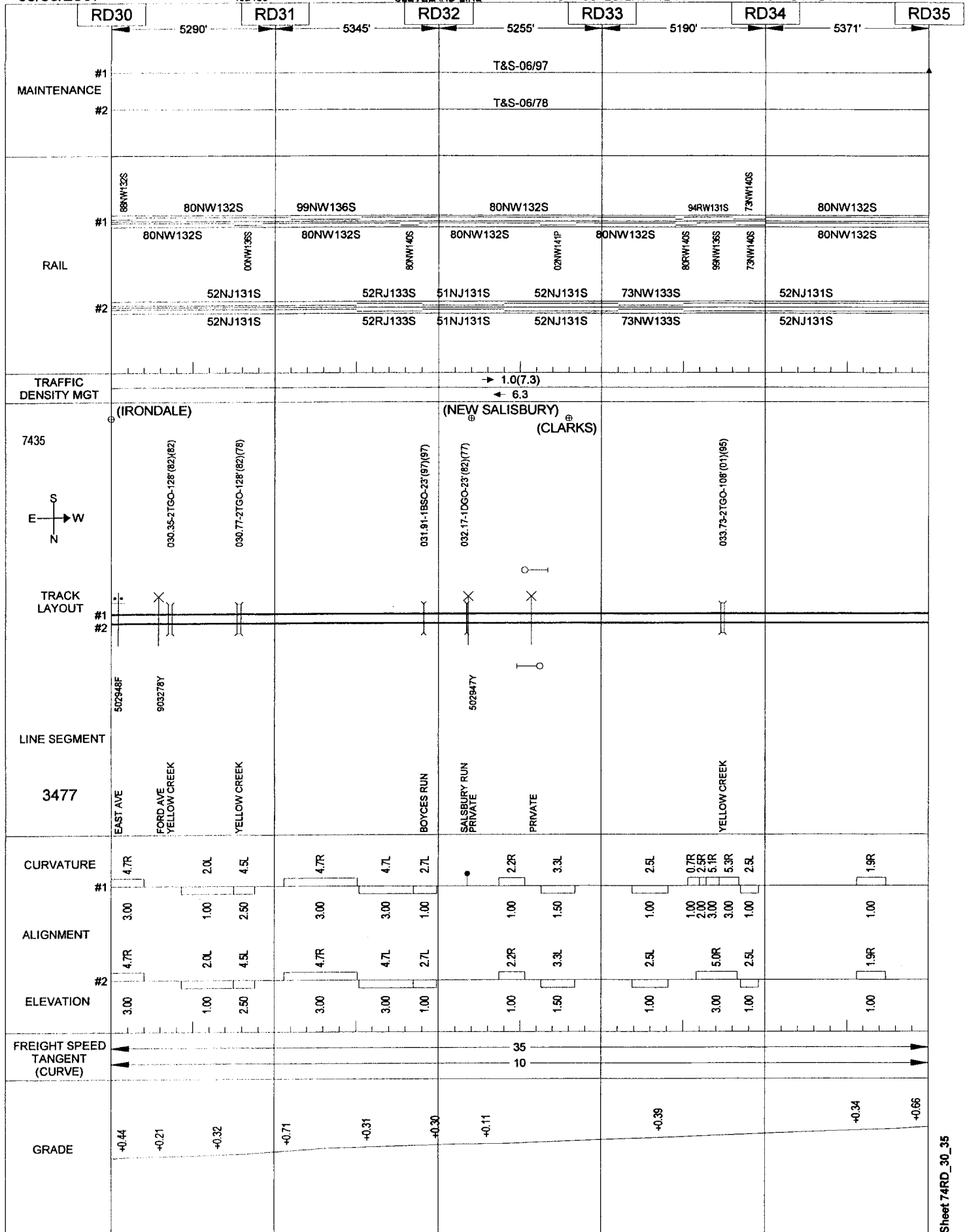
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097

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



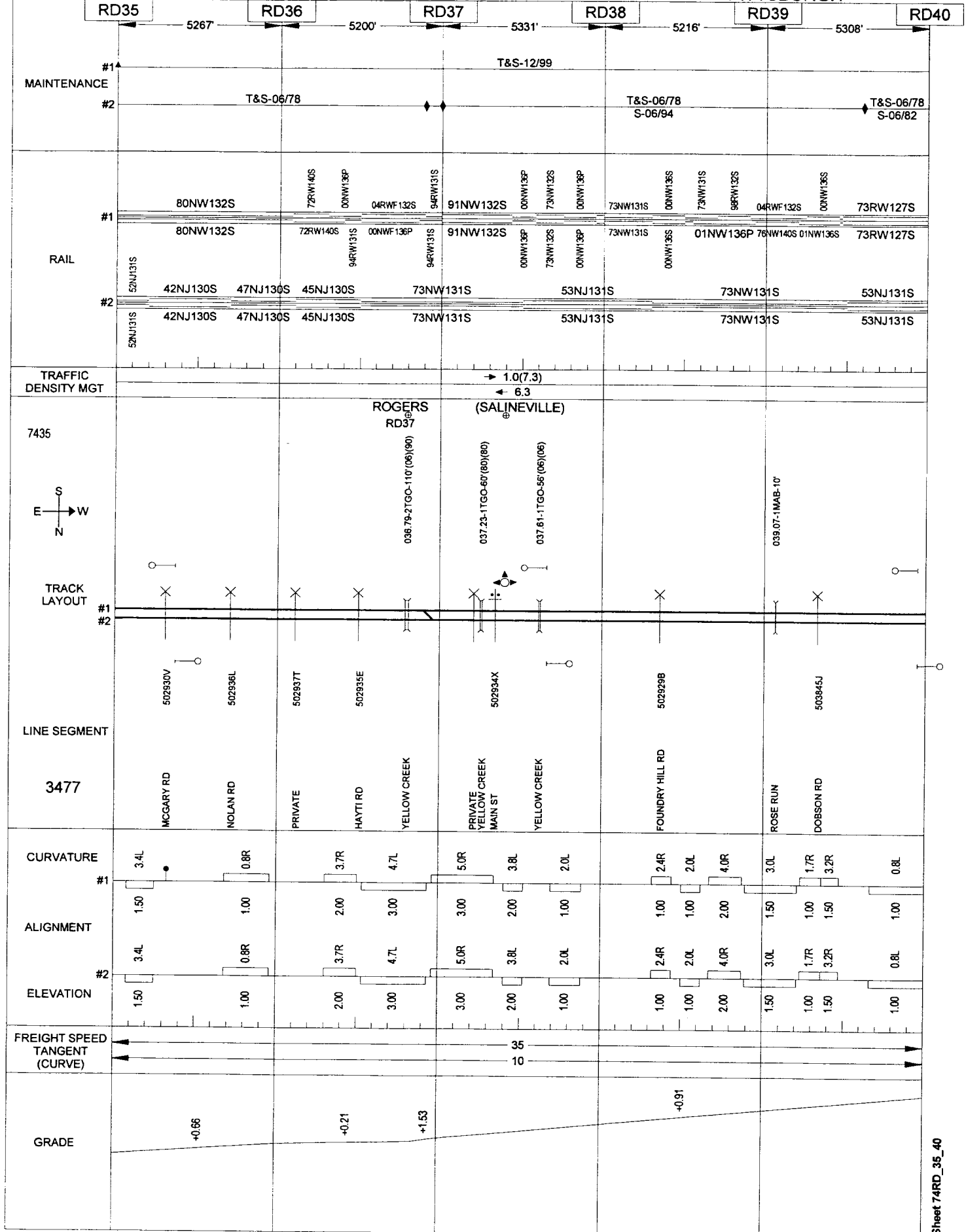
08/30/2007

098

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

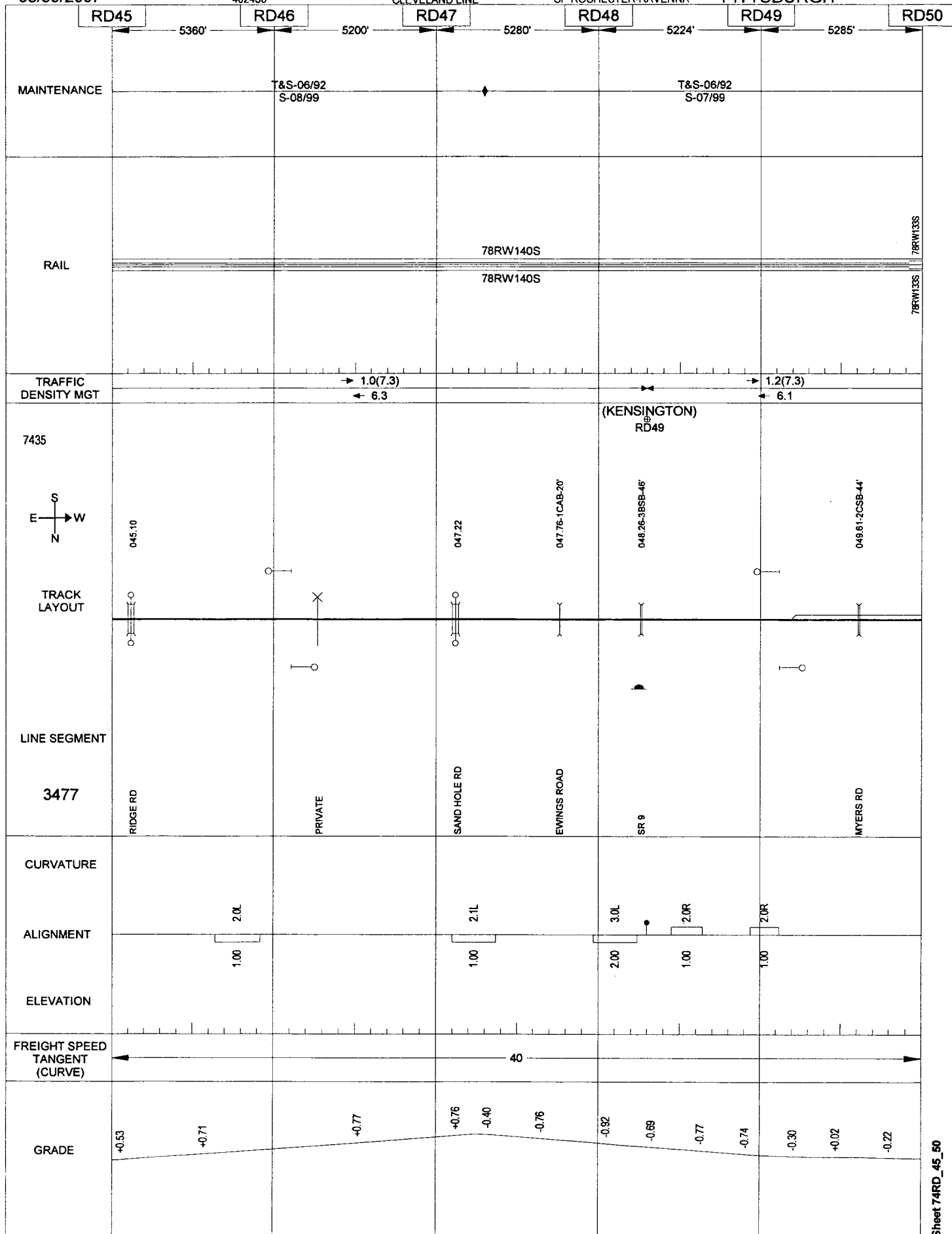
402430

100

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

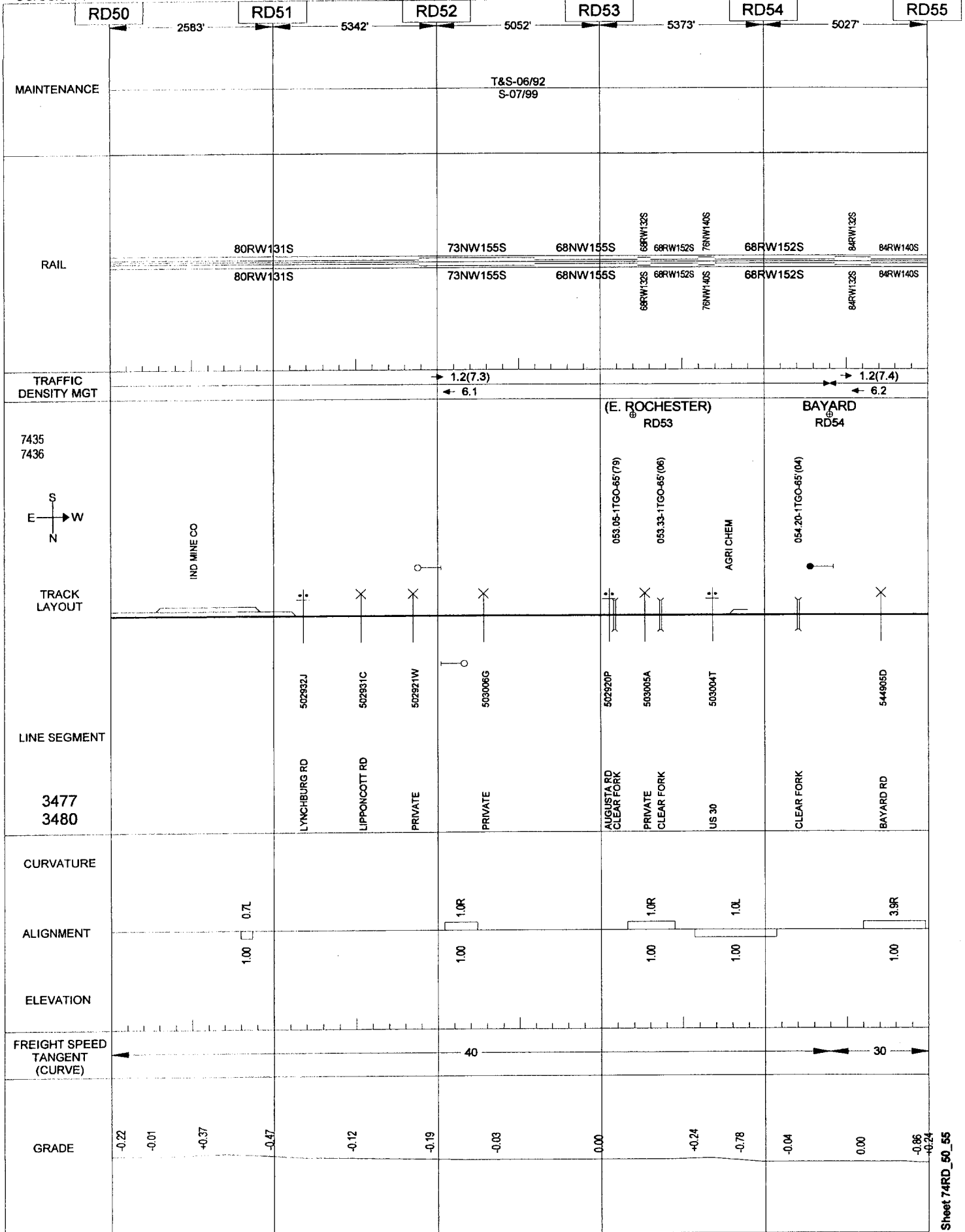
402426

101

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

402426

102

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH

RD55

RD56

RD57

RD58

RD59

RD60

5283'

5275'

5282'

5283'

5207'

MAINTENANCE

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

RAIL

84RW140S

84RW132S

84RW140S

84RW132S

TRAFFIC
DENSITY MGT

→ 1.2(7.4)
← 6.2

7436

MOULT (MOULTRIE)



TUSCARAWAS IT

055.29-1TGO-55'(06)

056.83-1TGO-55'(04)

057.72-1TGO-54'(81)

058.83-1TGO-55'(81)

059.11-1TGO-55'(04)

TRACK
LAYOUT

544856J

544906K

544901B

544878J

544857N

544850T

LINE SEGMENT

3480

BAYARD RD
HAHNS RUN

RINKER RD

SANDY SPRING RD

HAHNS RUN
ESSICK RD

HAHNS RUN

SR 172

HAHNS RUN

HOMEWORTH RD
HAHNS RUN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

1.00 0.5L
1.00 0.3R

1.00 0.5L
1.00 3.0L
1.00 2.0R

1.00 1.3R

1.00 1.0R

1.00 1.0L

30

40

+0.24

+0.13

+0.45

0.00

+0.15

+0.03

+0.19

+0.30

+0.48

+0.46

08/30/2007

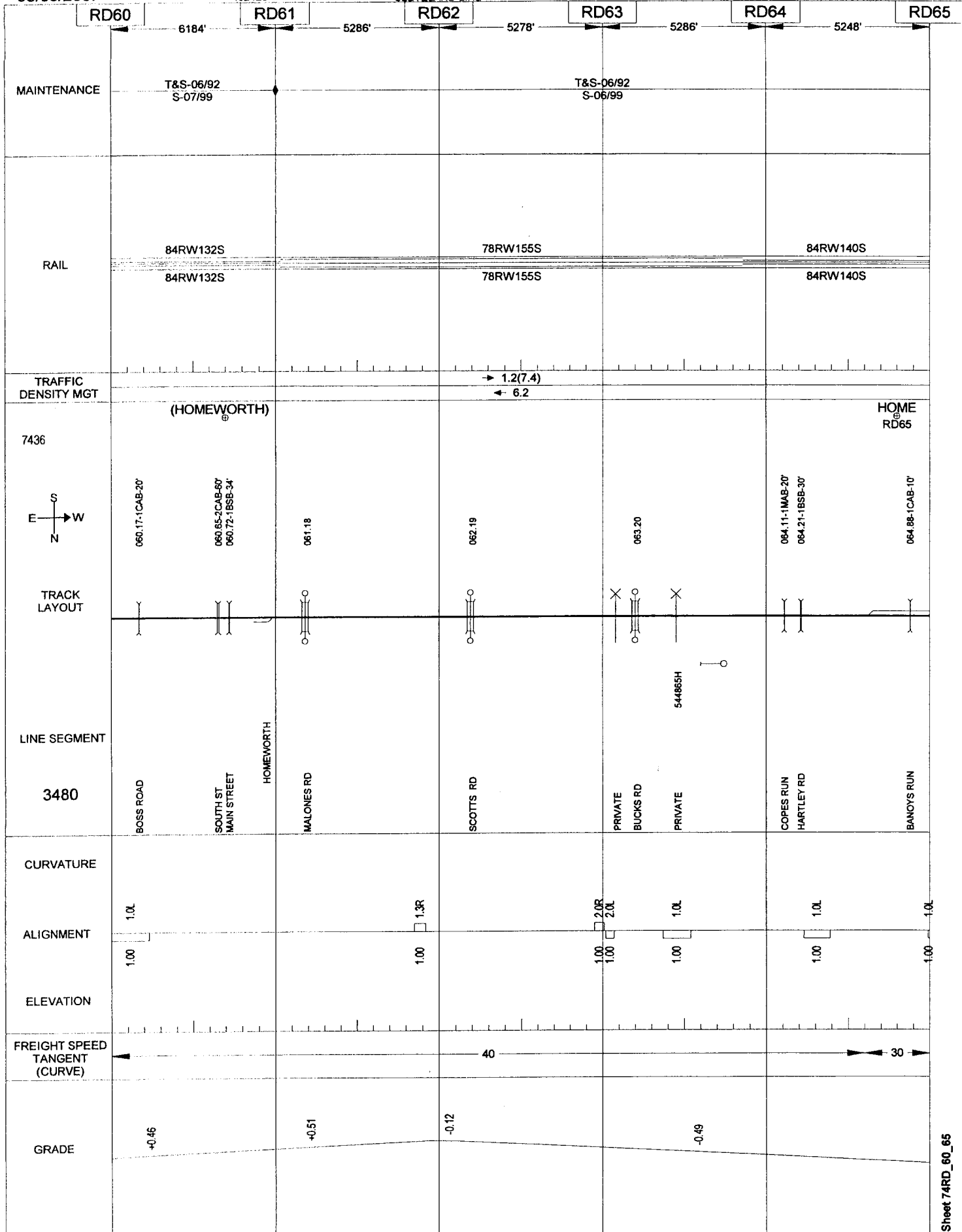
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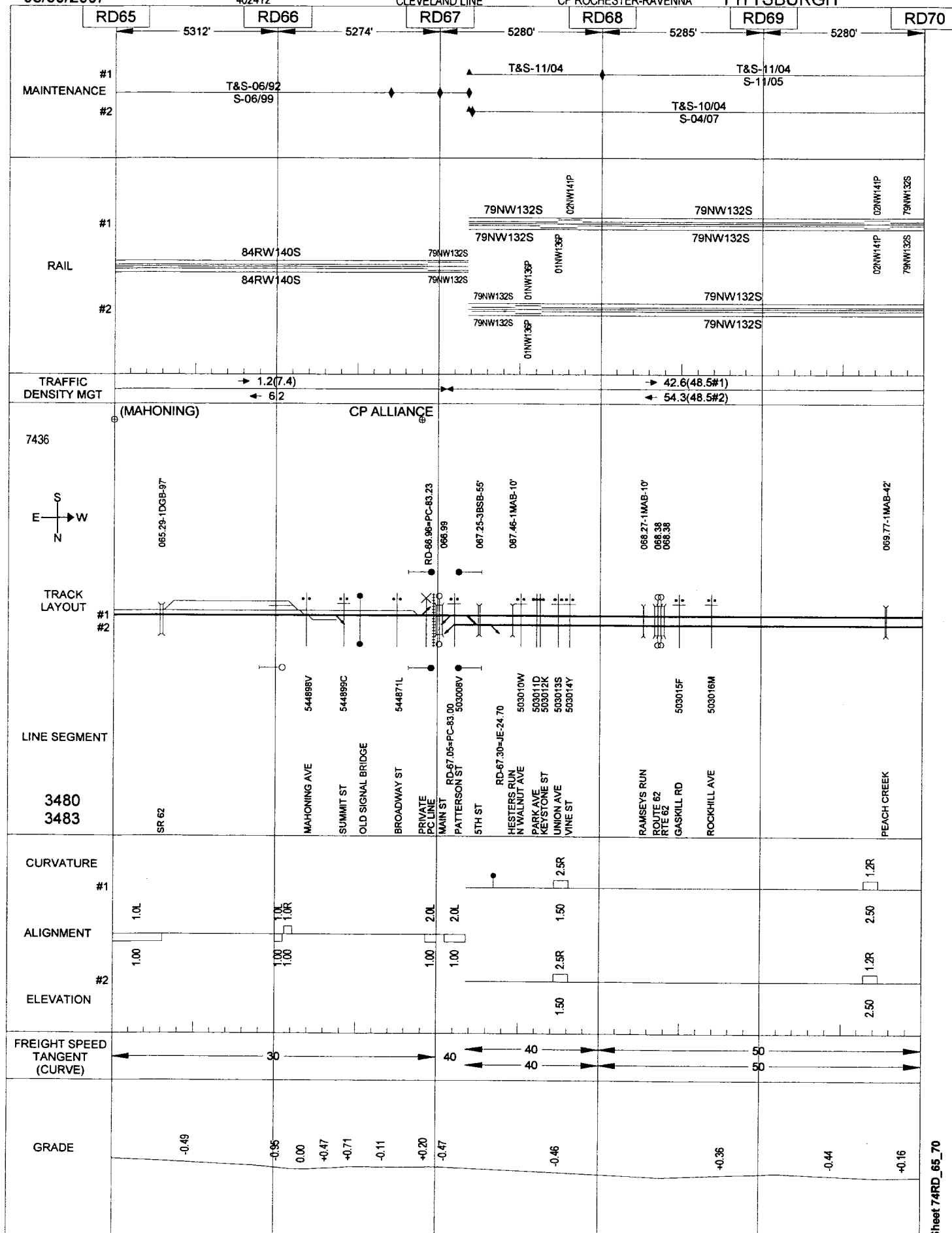
103

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH





08/30/2007

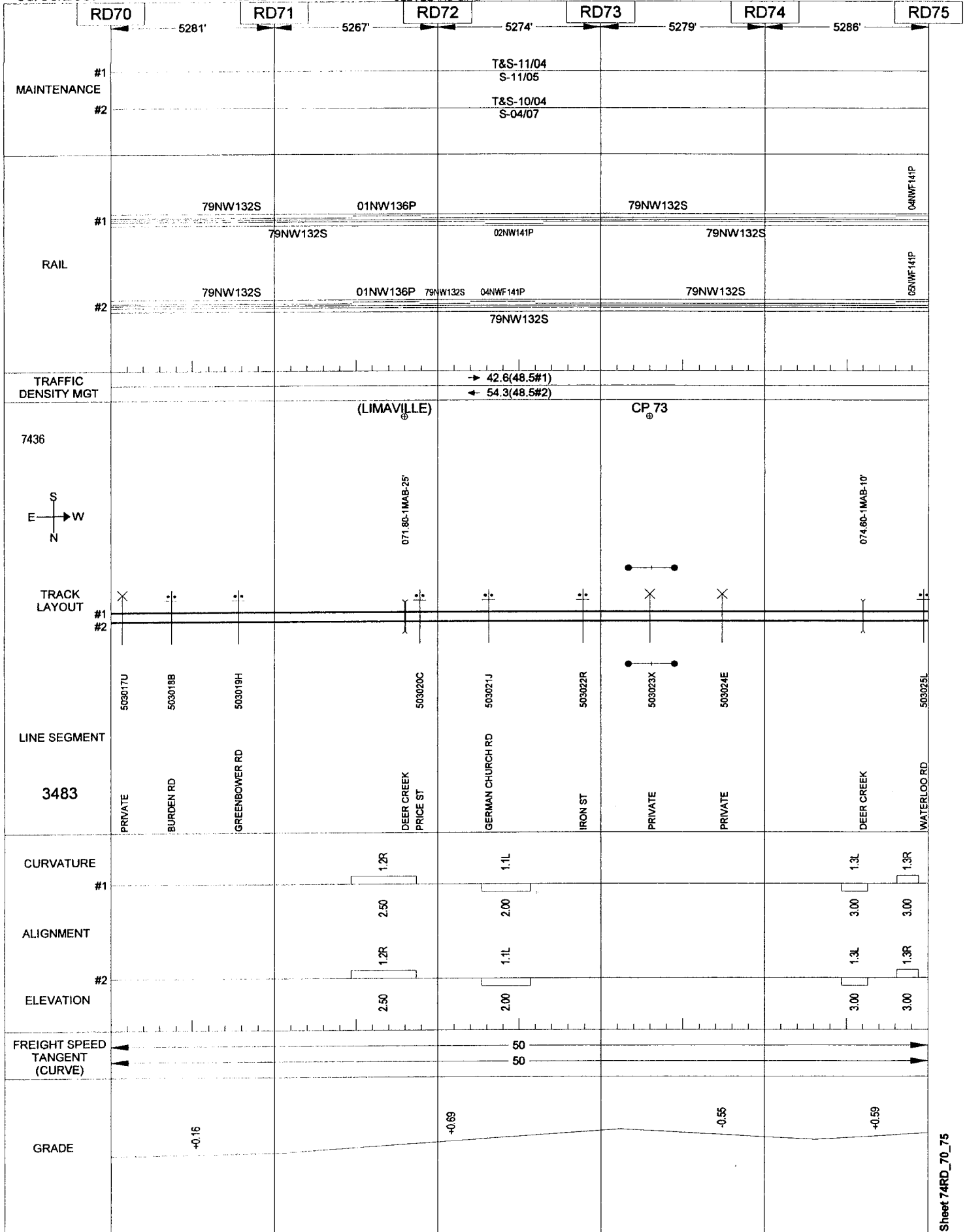
402412

105

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

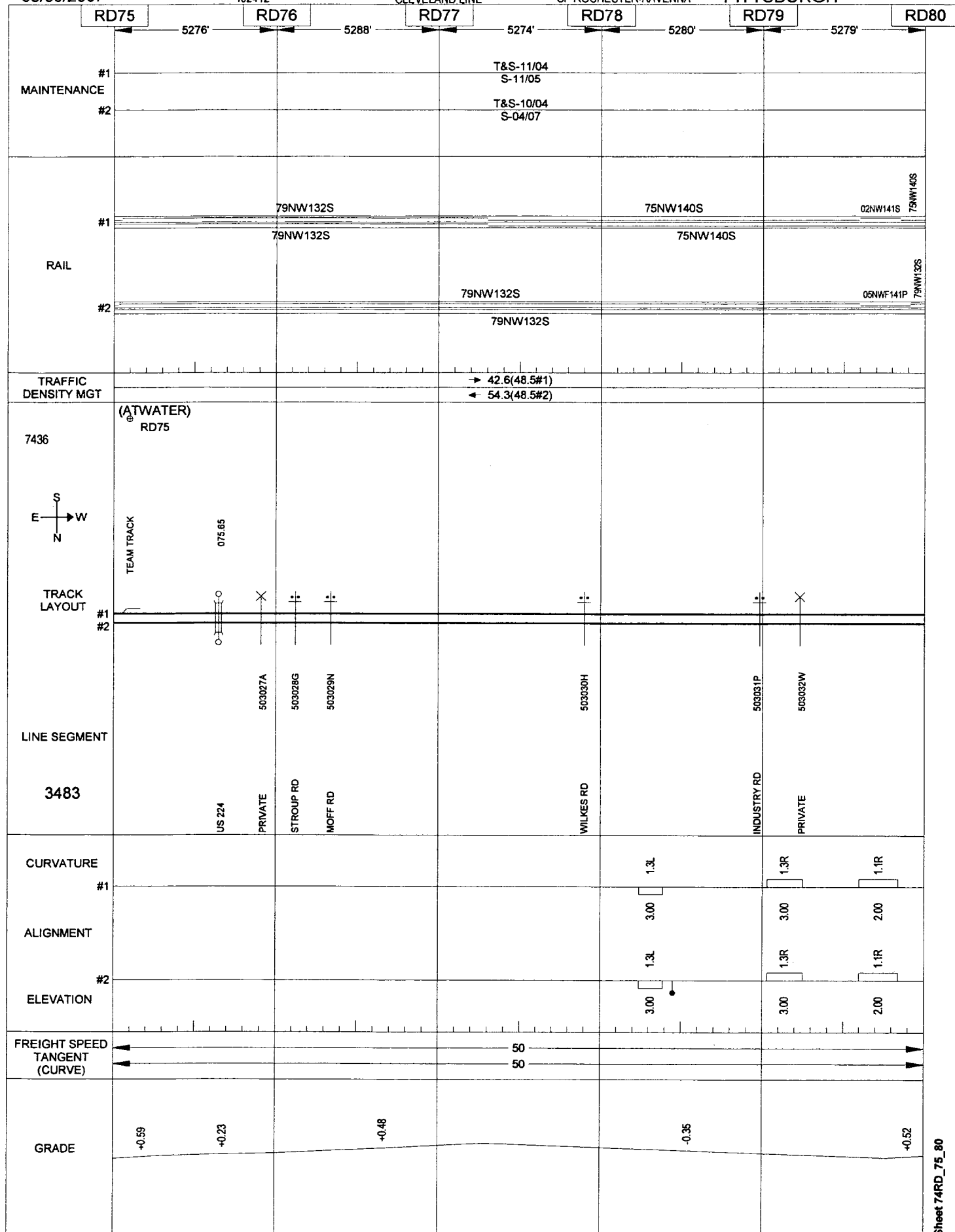
402412

106

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH



08/30/2007

402412

107
CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH

RD80

RD81

RD82

RD83

RD84

RD85

5279'

5254'

5299'

5259'

5326'

#1
MAINTENANCE

#2

T&S-11/04

S-11/05

T&S-10/04

S-04/07

RAIL

#1

75NW140S

99NW136P

75NW140S

01NW136S

75NW140S

82RW132S

97NW136S

82RW132S

01NW136P 92NW136S

82RW132S

75NW140S

02NW141P

75NW140S

82RW132S

97NW136S

82RW132S

92NW136S

82RW132S

#2

79NW132S

91NW132S

79NW132S

01NW136P

79NW132S

97NW136S

79NW132S

91NW132S

79NW132S

79NW132S

91NW132S

79NW132S

01NW136P

79NW132S

97NW136S

79NW132S

91NW132S

79NW132S

TRAFFIC
DENSITY MGT

→ 42.6(48.5#1)

← 54.3(48.5#2)

7436

(ROOTSTOWN)
RD81TRACK
LAYOUT

#1

#2

WICKS

080.53

081.48

081.48

083.06

083.50-2BSB-116'

083.54-1BSB-17'

084.09-1BSB-54'

084.96-3TGB-247'

LINE SEGMENT

3483

503565J

503568C

503566N

503565G

OHIO EDISON
SANDY LAKE RD

503564A

503562L

503559D

503558W

SR 18
PRIVATEHATTRICK RD
L-76
L-76NEW MILFORD RD
LYNN RD

SR 5 & 44

AB RW/
PRIVATE
WATER WORKS RDSKEELE RD
PRIVATEW LAKE ST
CSXT

CURVATURE

#1

2.8L

1.1R

2.2R

2.0L

ALIGNMENT

#2

2.8L

1.1R

2.2R

2.0L

ELEVATION

4.00

2.00

4.00

4.00

FREIGHT SPEED
TANGENT
(CURVE)

50

50

GRADE

+0.52

-0.41

+0.27

-0.01

-0.39

-0.14

08/30/2007

402412

108

CLEVELAND LINE

CP ROCHESTER-RAVENNA

PITTSBURGH

RD85

4752'

MAINTENANCE

#1

T&S-11/04

S-11/05

#2

T&S-10/04

S-11/05

RAIL

#1

82RW132S

82RW132S

#2

79NW132S

79NW132S

TRAFFIC
DENSITY MGT

→ 42.6(48.5#1)

← 54.3(48.5#2)

7436

(RAVENNA)
RD85

CP 86

S
E → W
N

085.17-1TGB-51'

BEGIN DEARBORN DIV

TRACK
LAYOUT

#1

#2

LINE SEGMENT

3483

DIAMON ST

CURVATURE

#1

ALIGNMENT

#2

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

50

50

GRADE

-0.14

0.00

08/30/2007

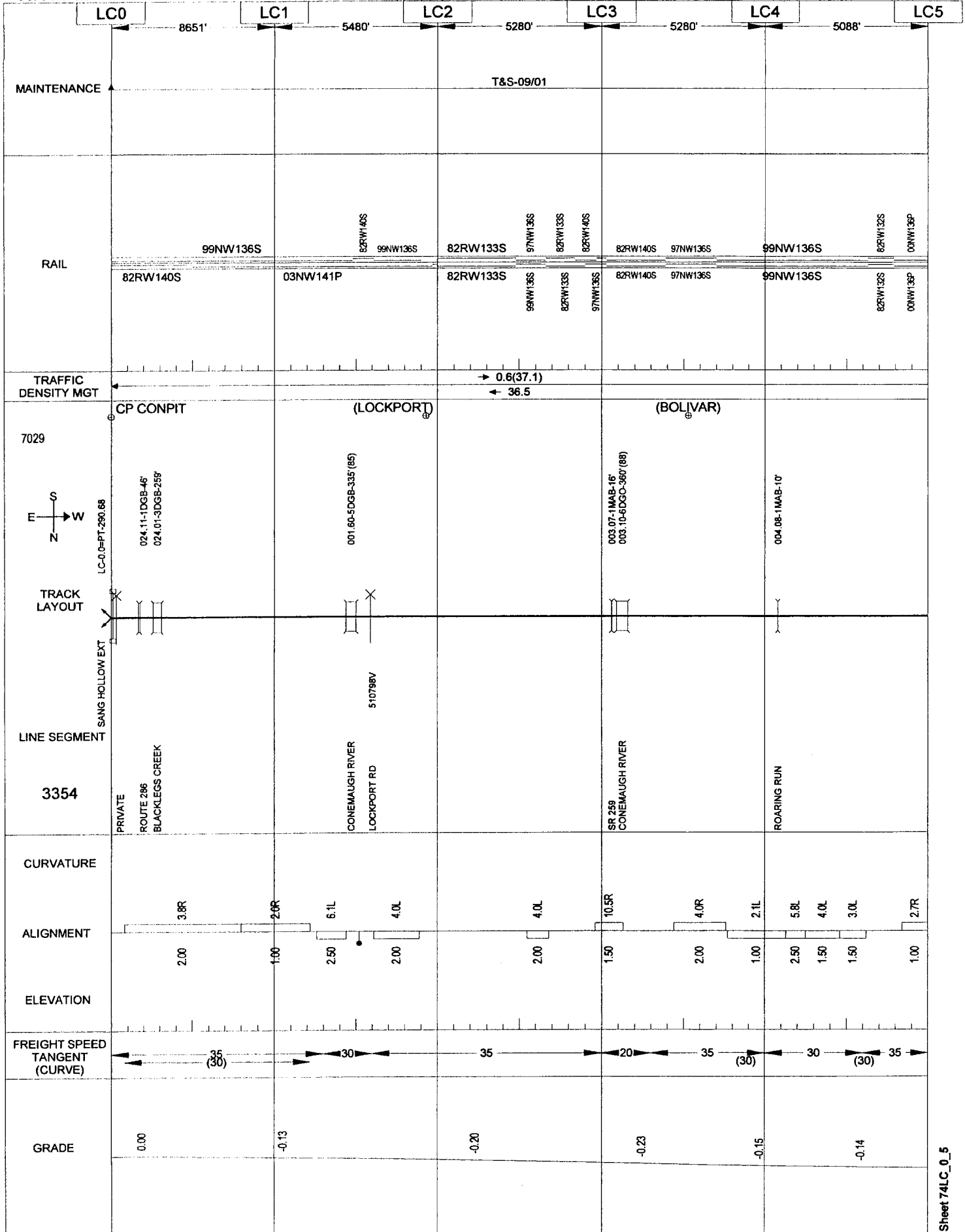
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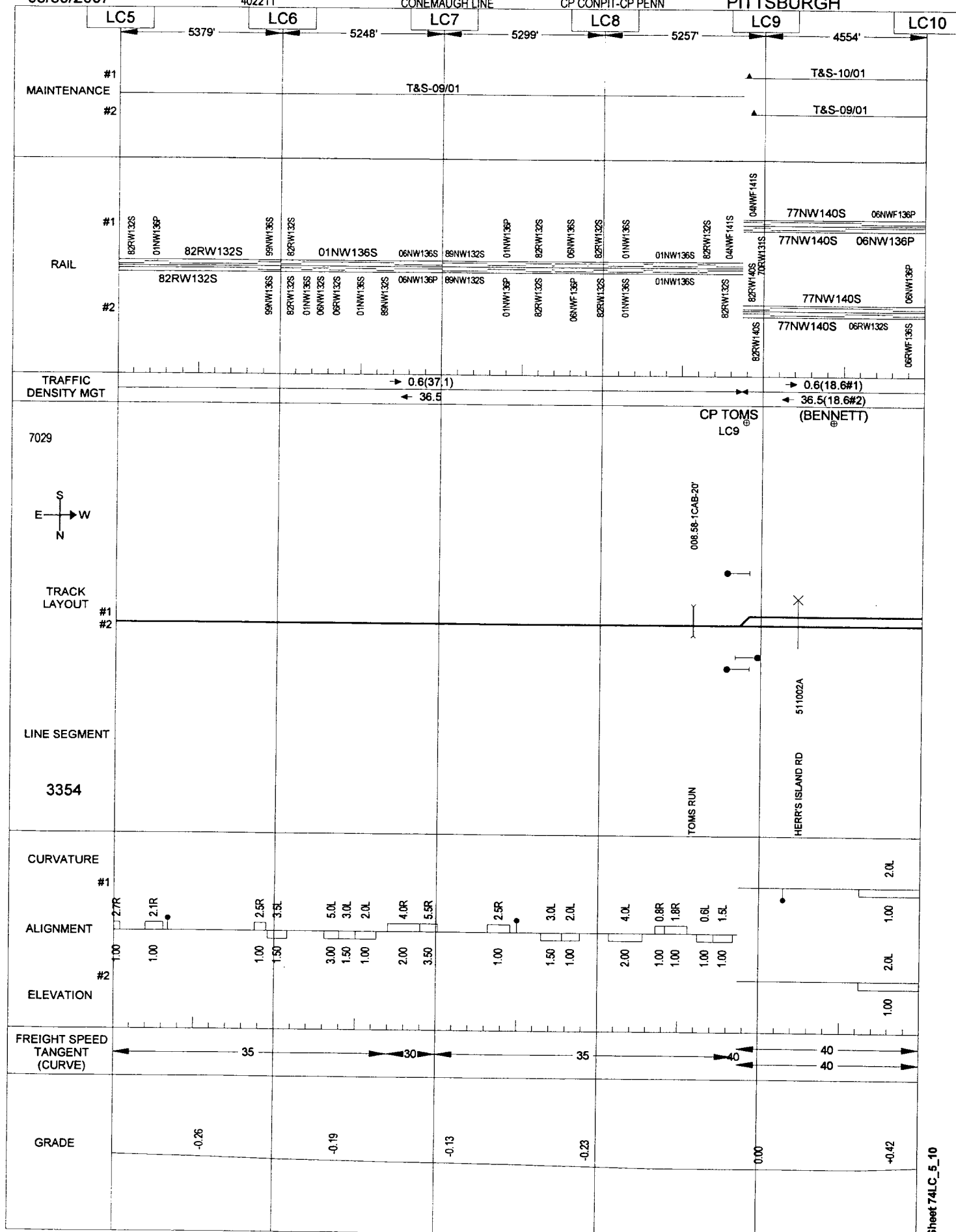
109

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH





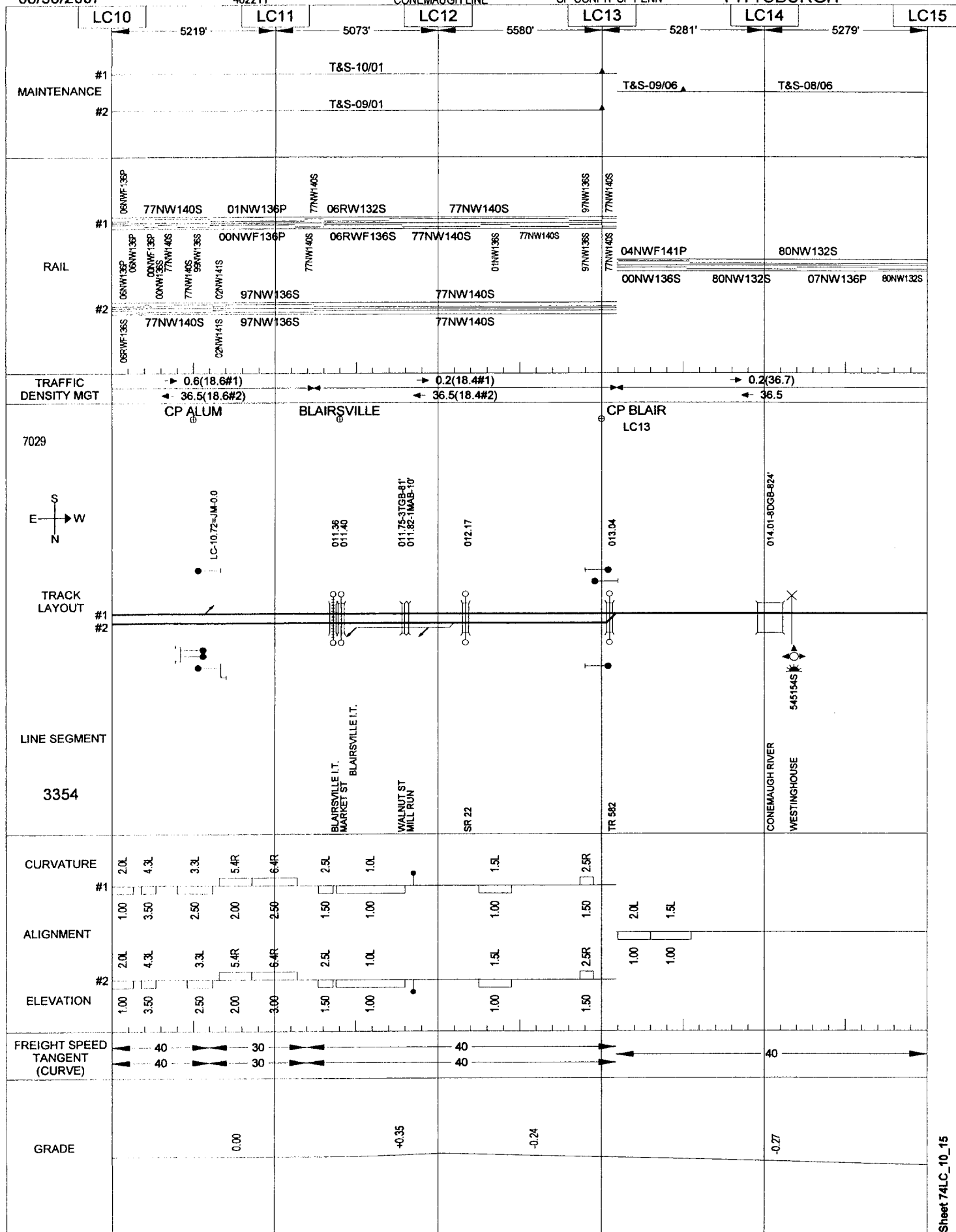
08/30/2007

402211

111
CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



08/30/2007

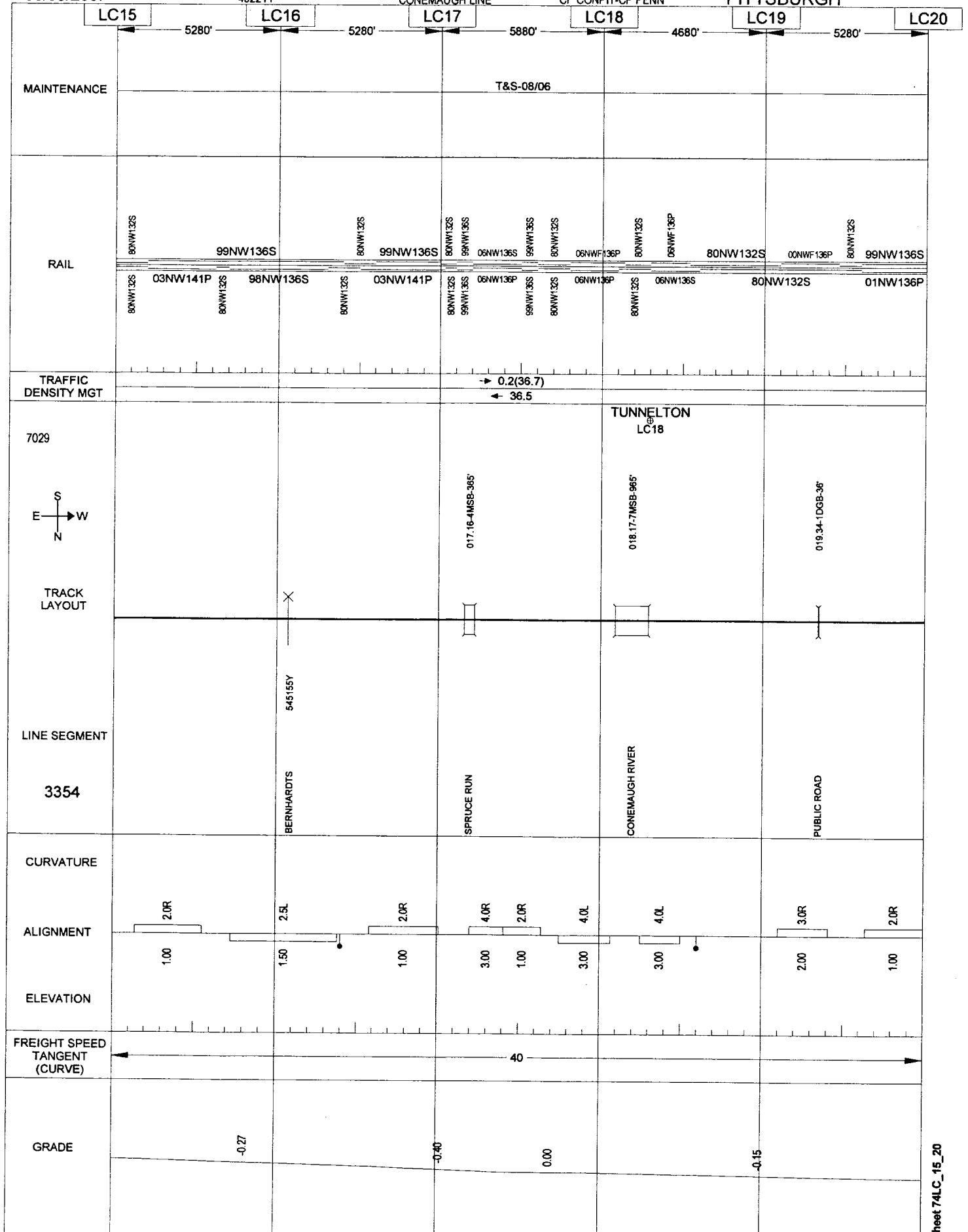
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112

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



08/30/2007

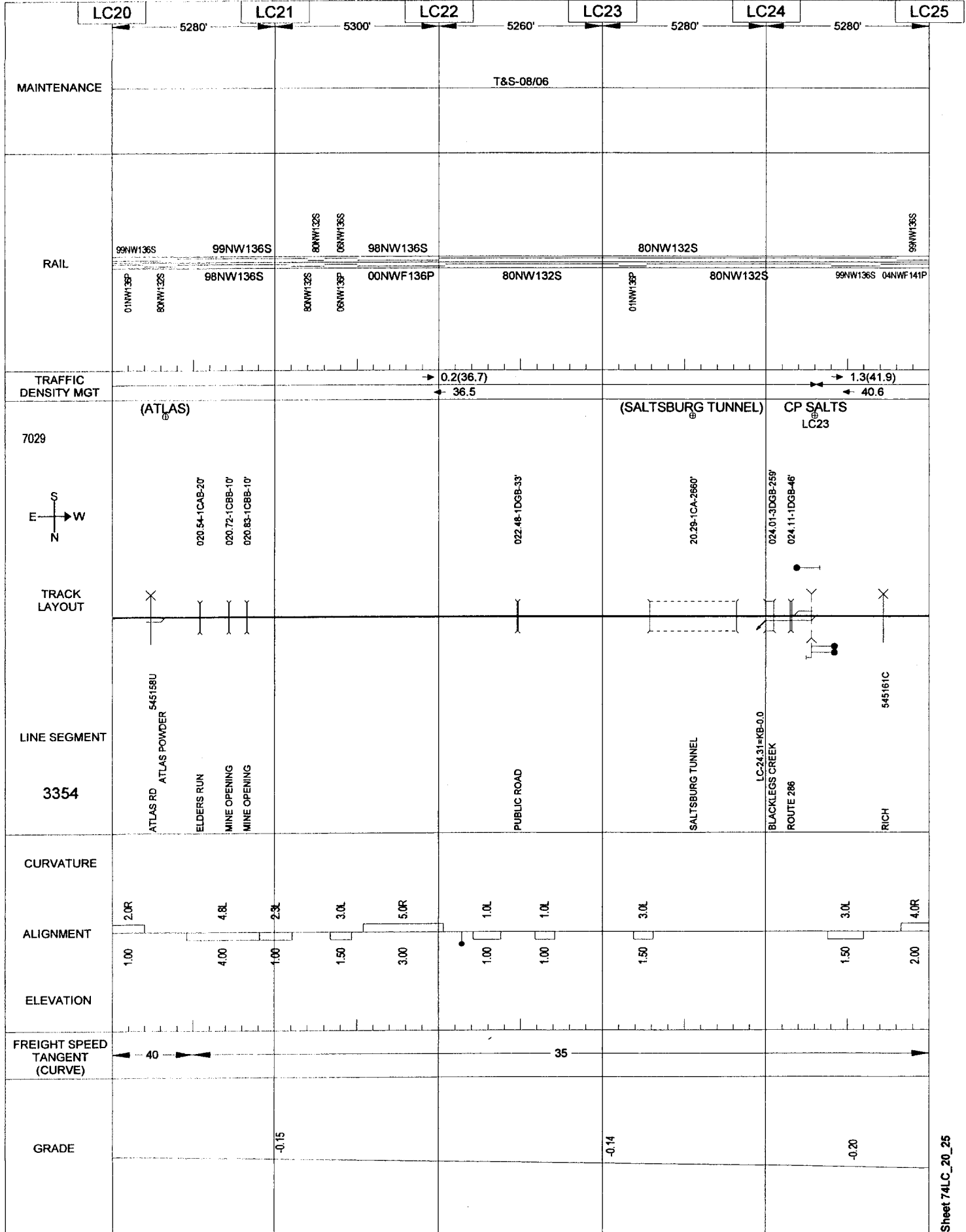
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113

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



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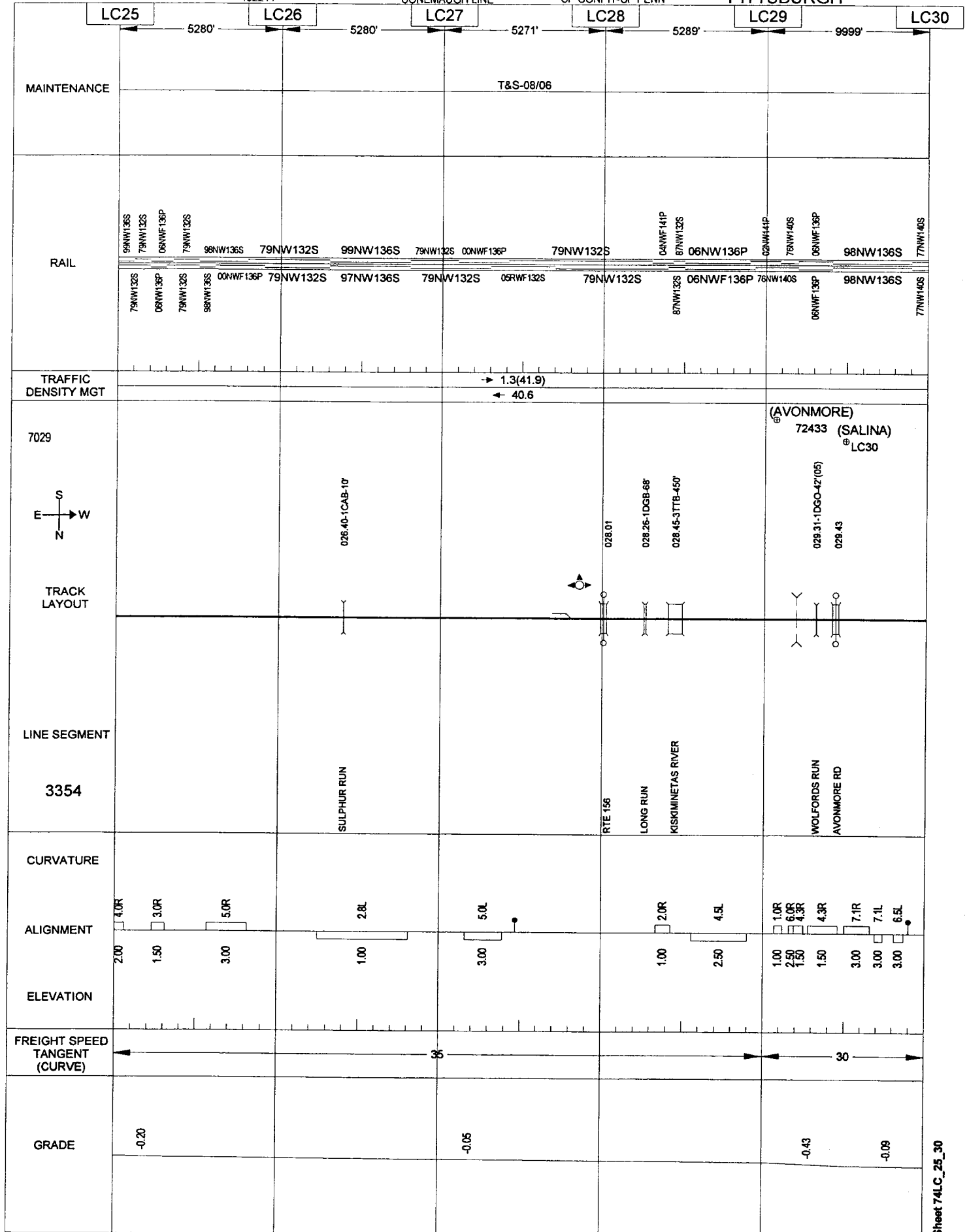
402211

114

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



08/30/2007

402211

115
CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH

LC30

LC31

LC32

LC33

LC34

LC35

5477'

5262'

5283'

5280'

5281'

MAINTENANCE

T&S-08/06

RAIL

77NW140S 05NWF141P 99NW136S 00NWF136P 77NW140S 99NW136S 00NWF136P 77NW140S 05NWF136S 77NW140S 05NWF136S 05NWF136P 01NW136P 77NW140S 05NWF136P 05NWF136P 99NW136S 06NWF136P 99NW136S 77NW140S

77NW140S 05NWF141P 99NW136S 77NW140S 05NWF141P 77NW140S 00NWF136S 77NW140S 05NWF136S 05NWF136P 05NWF136P 77NW140S 05NWF136P 77NW140S 05NWF136P 77NW140S 05NWF141P 05NWF136S

TRAFFIC
DENSITY MGT

→ 1.3(41.9)

← 40.6

7029

(TRUXALL)

CP APOLLO
LC34

S

E → W

N

034.74-3DGO-204'(00)

TRACK
LAYOUT

LINE SEGMENT

3354

545065A

BEAVER RUN

SR 66

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

30

35

GRADE

-0.05

-0.02

+0.10

-0.27

+0.05

0.00

-0.05

08/30/2007

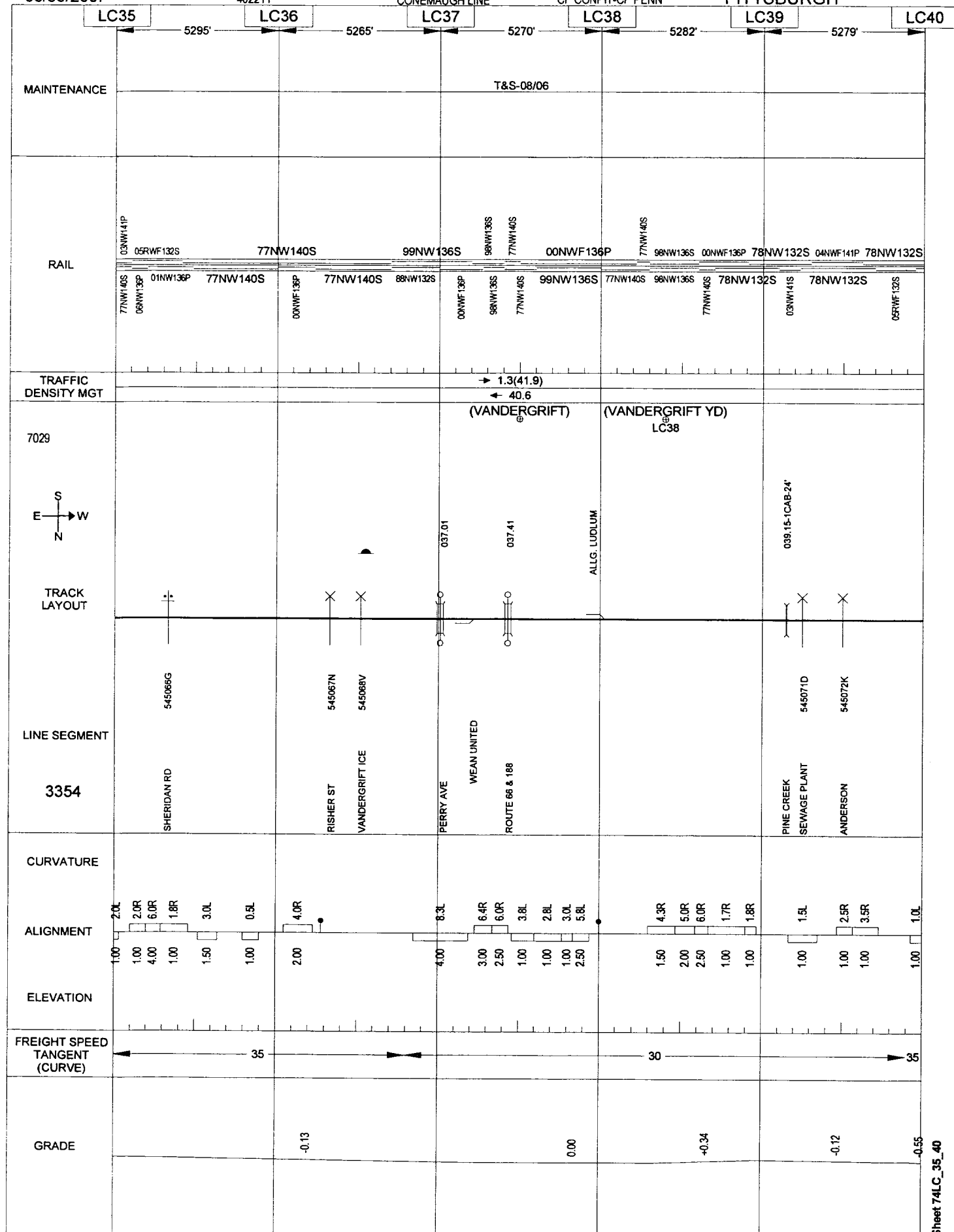
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116

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



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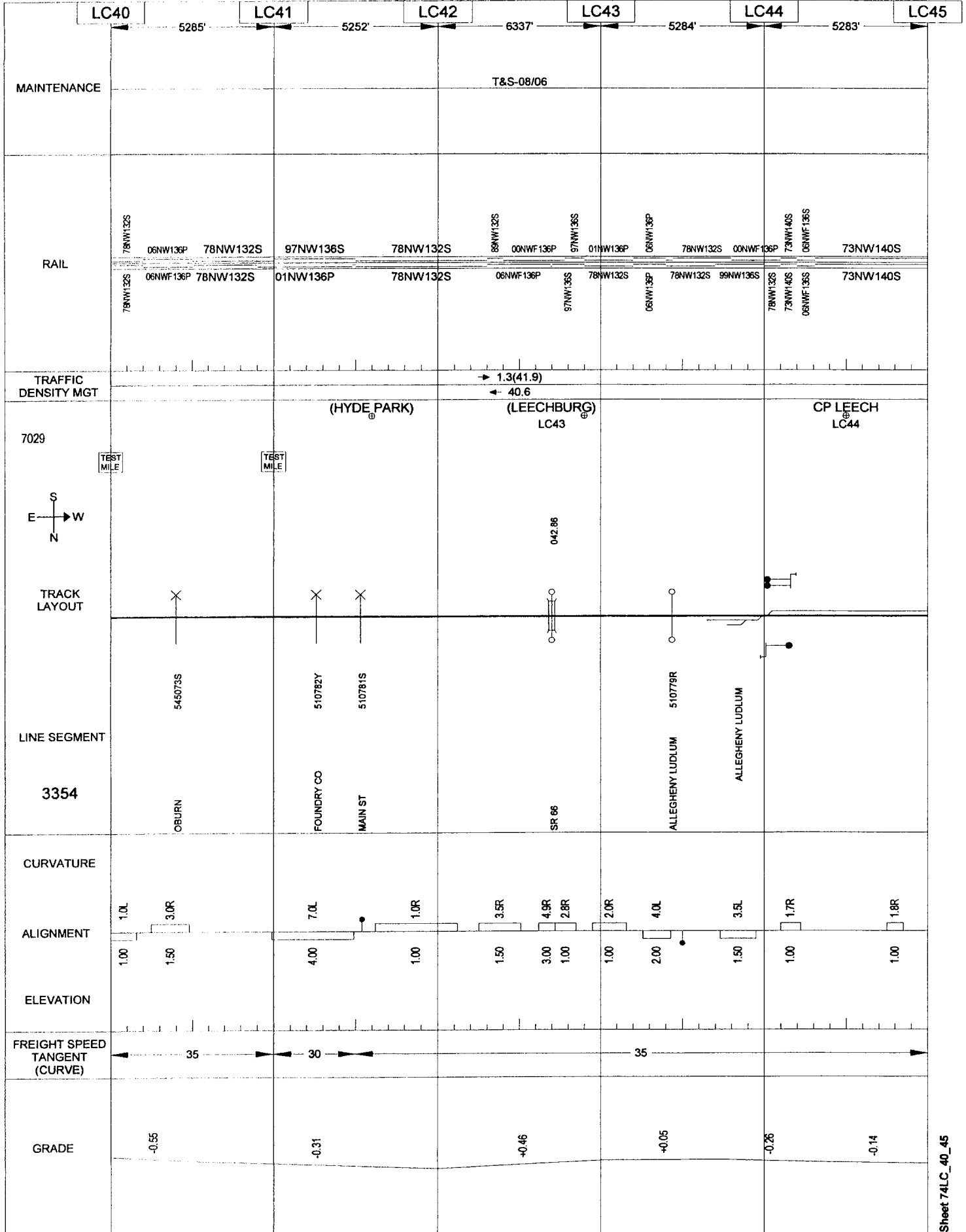
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117

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



08/30/2007

402211

118

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH

LC45

LC46

LC47

LC48

LC49

LC50

5324'

5247'

5268'

5167'

5148'

MAINTENANCE

T&S-08/06

RAIL

73NW140S

05NWF132S

73NW140S

06NWF136P
73NW140S

77NW140S

77NW140S

06NW136P

06NWF136S

77NW140S

77NW140S

05NWF141P

77NW140S

04NWF141P

77NW140S

TRAFFIC
DENSITY MGT→ 1.3(41.9)
← 40.6→ 1.4(41.8)
← 40.37029
7028S
E → W
N

045.25-1CSB-10'

CP KISKI
LC48(FREEPORT)
LC49CP HARRIS
LC50

047.83-6MSC-1060'(05)

048.16-1CAB-24'

048.72-2TGB-70'

048.82-1CSB-32'

048.86-4CSB-52'

048.97-4CSB-52'

049.05-1CSB-16'

049.12-1CSB-32'

049.30-3CAB-210'

049.36

TRACK
LAYOUT

LINE SEGMENT

3354
3357

HILL RUN

PVT-NS USE SCHENLEY I.T.

ALLEGHENY RIVER

RIVER ROAD
LC-48.43=0.0-PS

7TH ST

6TH ST

5TH ST

4TH ST

PED SUBWAY

2ND ST

BUFFALO CREEK
SR 356

CURVATURE

ALIGNMENT

2.3R

1.3R

4.6L

3.0L

0.5L

0.5R

1.5R

2.4L

3.0L

2.8L

3.5L

2.5R

2.5R

4.0L

2.3L

2.7L

ELEVATION

1.00

1.00

2.50

1.50

1.00

1.00

1.00

1.00

1.50

1.00

1.50

1.00

1.00

2.00

1.00

1.00

FREIGHT SPEED
TANGENT
(CURVE)

35

GRADE

-0.02

-0.01

-0.45

0.00

-0.09

08/30/2007

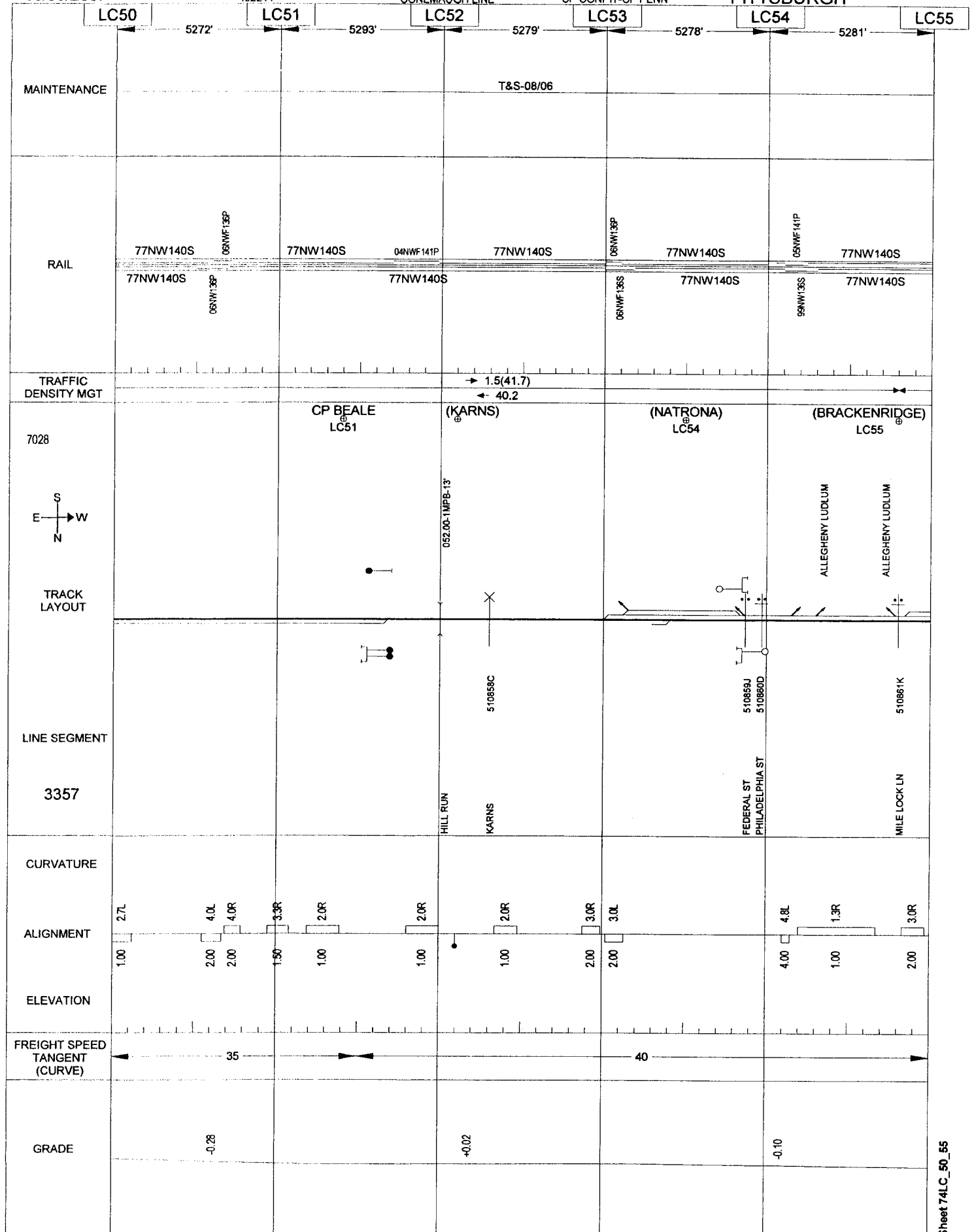
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119

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



08/30/2007

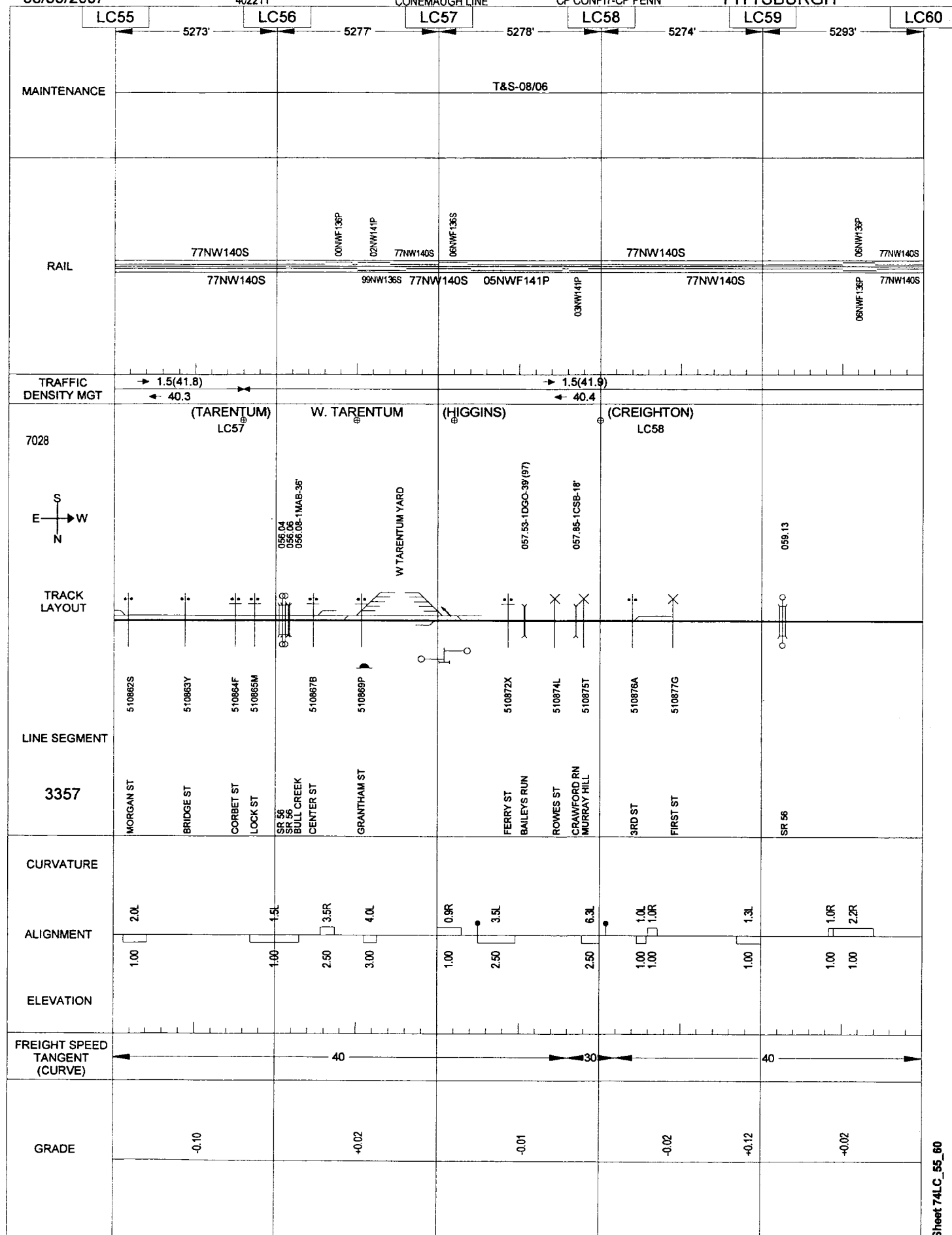
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120

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



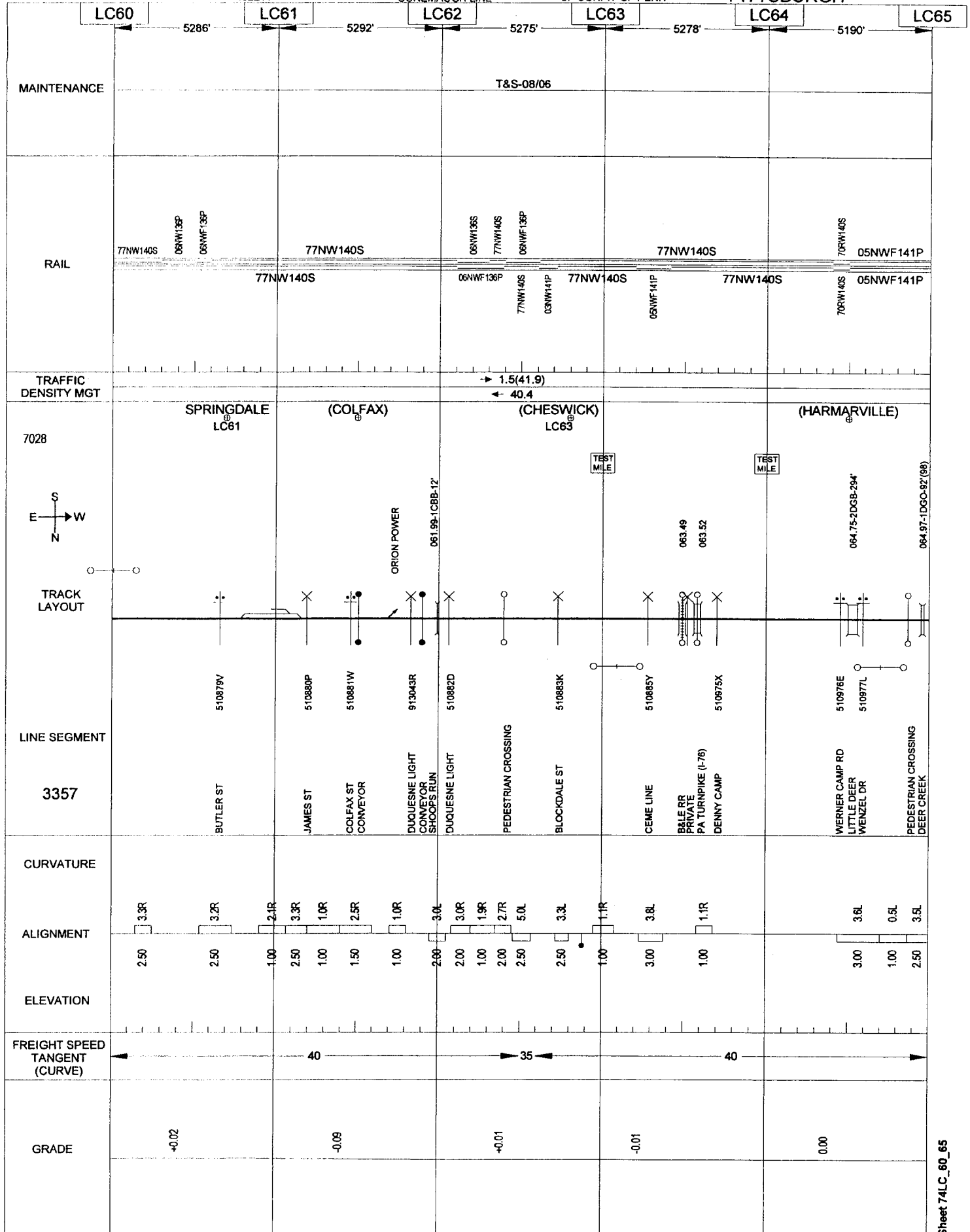
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402211

121
CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



08/30/2007

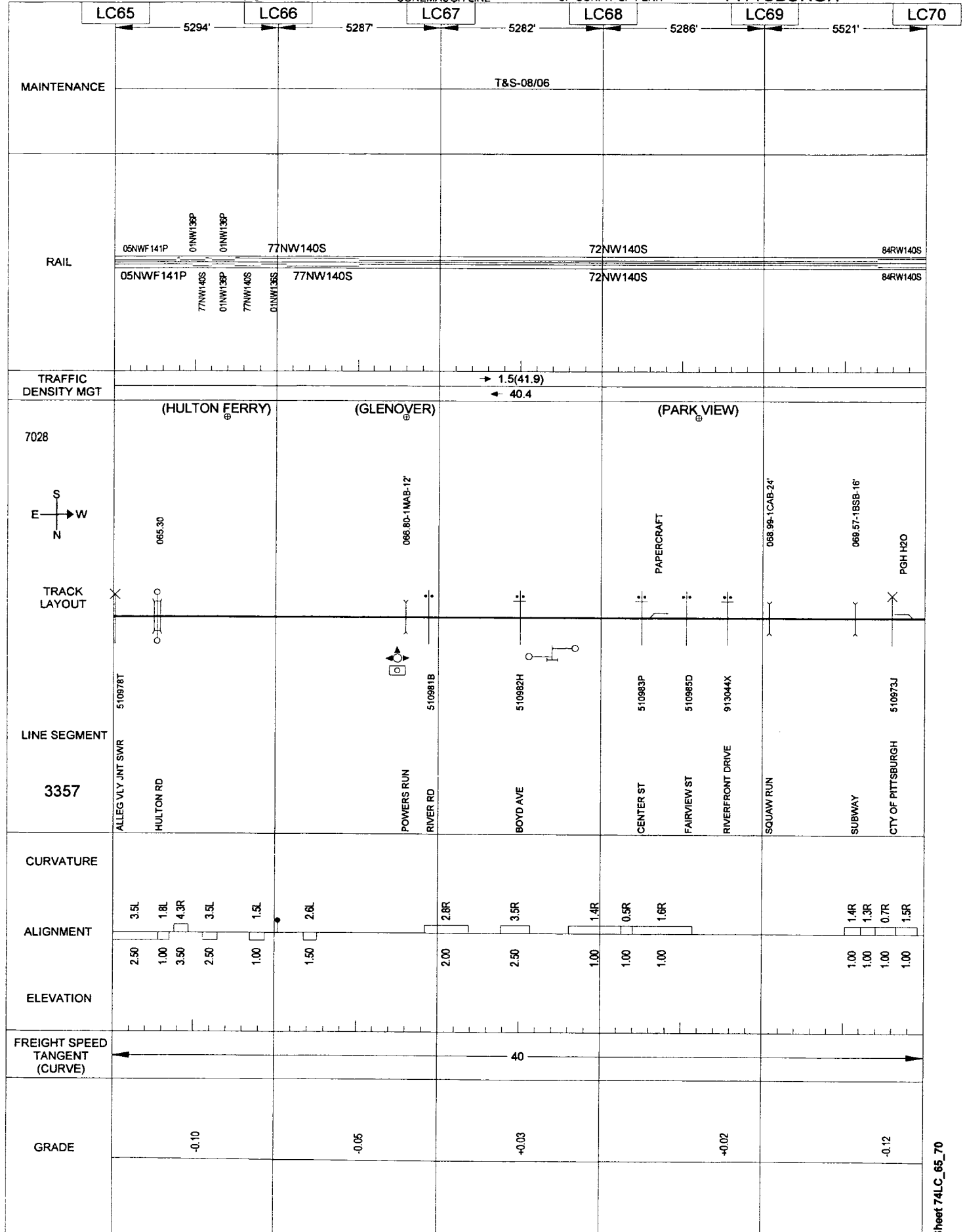
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122

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH



PITTSBURGH

LC75

5185' ———

T&S-09/03	S-08/04
T&S-09/03	S-12/05

8RW156S 2

NWF 141

050

[illegible]

11/11/11

\rightarrow

\leftarrow

(MILLVALE)
⊕
1074

TRACK LAYOUT

LINE SEGMENT

3357

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

Sheet 74LC_70_75

08/30/2007

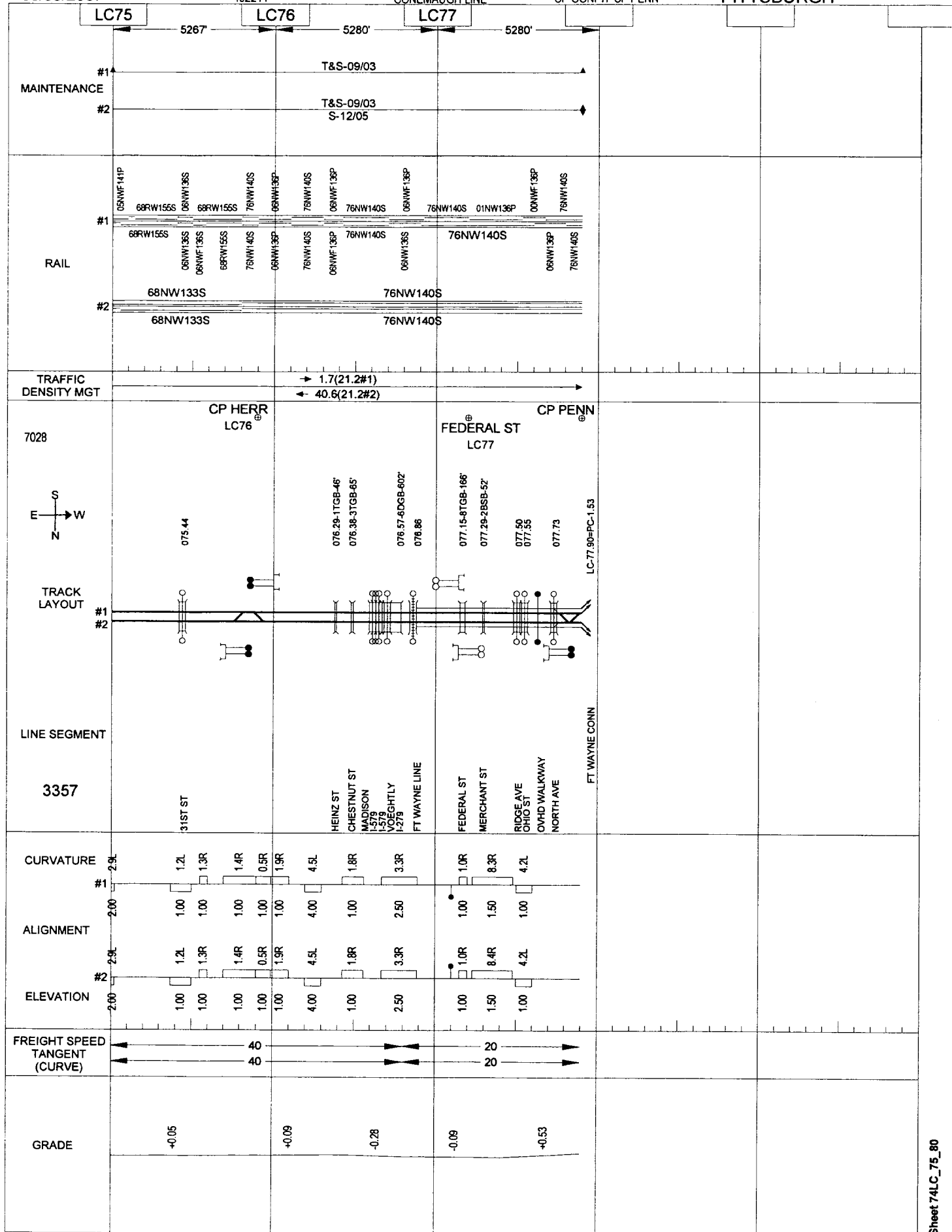
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124

CONEMAUGH LINE

CP CONPIT-CP PENN

PITTSBURGH

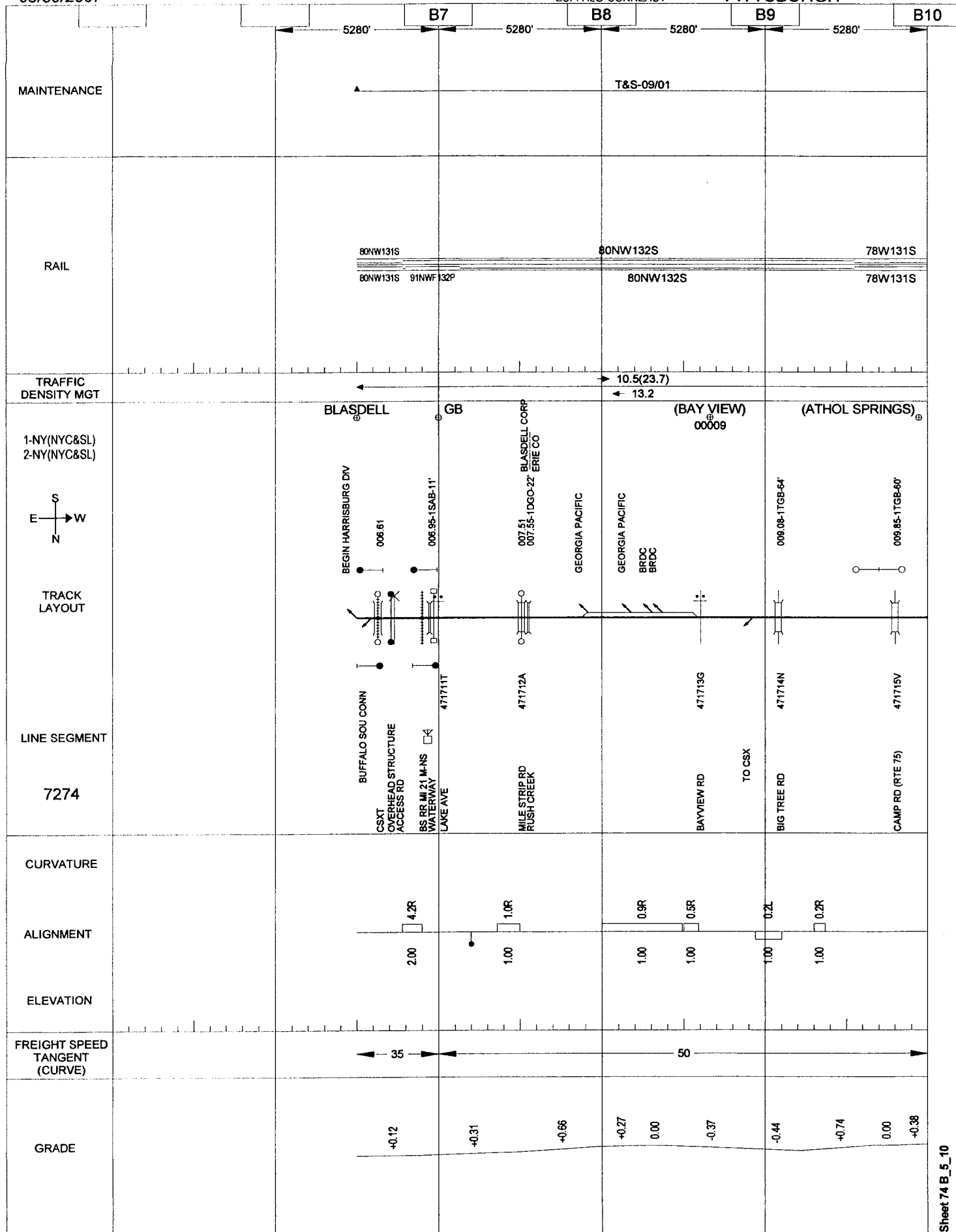


08/30/2007

125

BUFFALO-CONNEAUT

PITTSBURGH

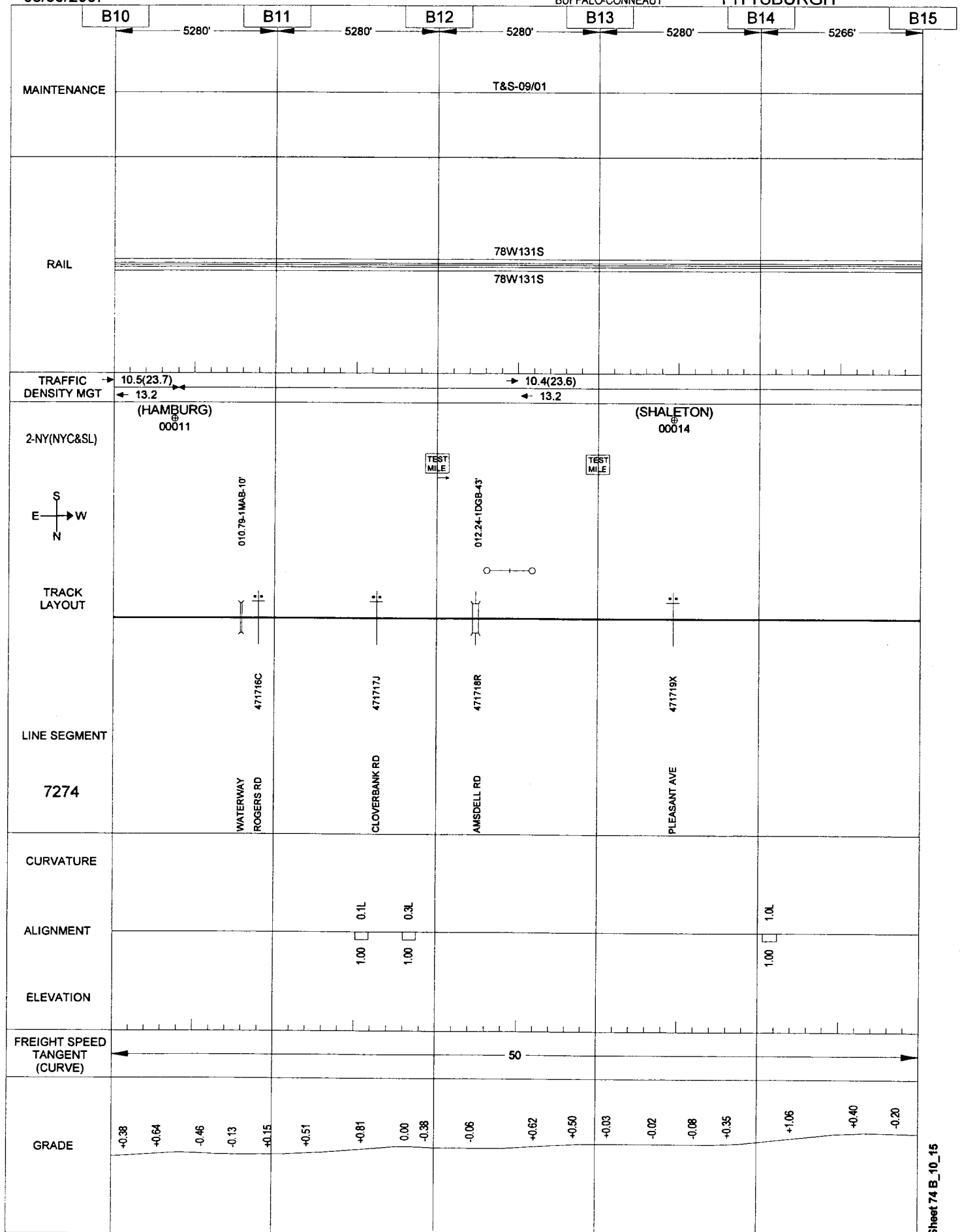


08/30/2007

126

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PITTSBURGH

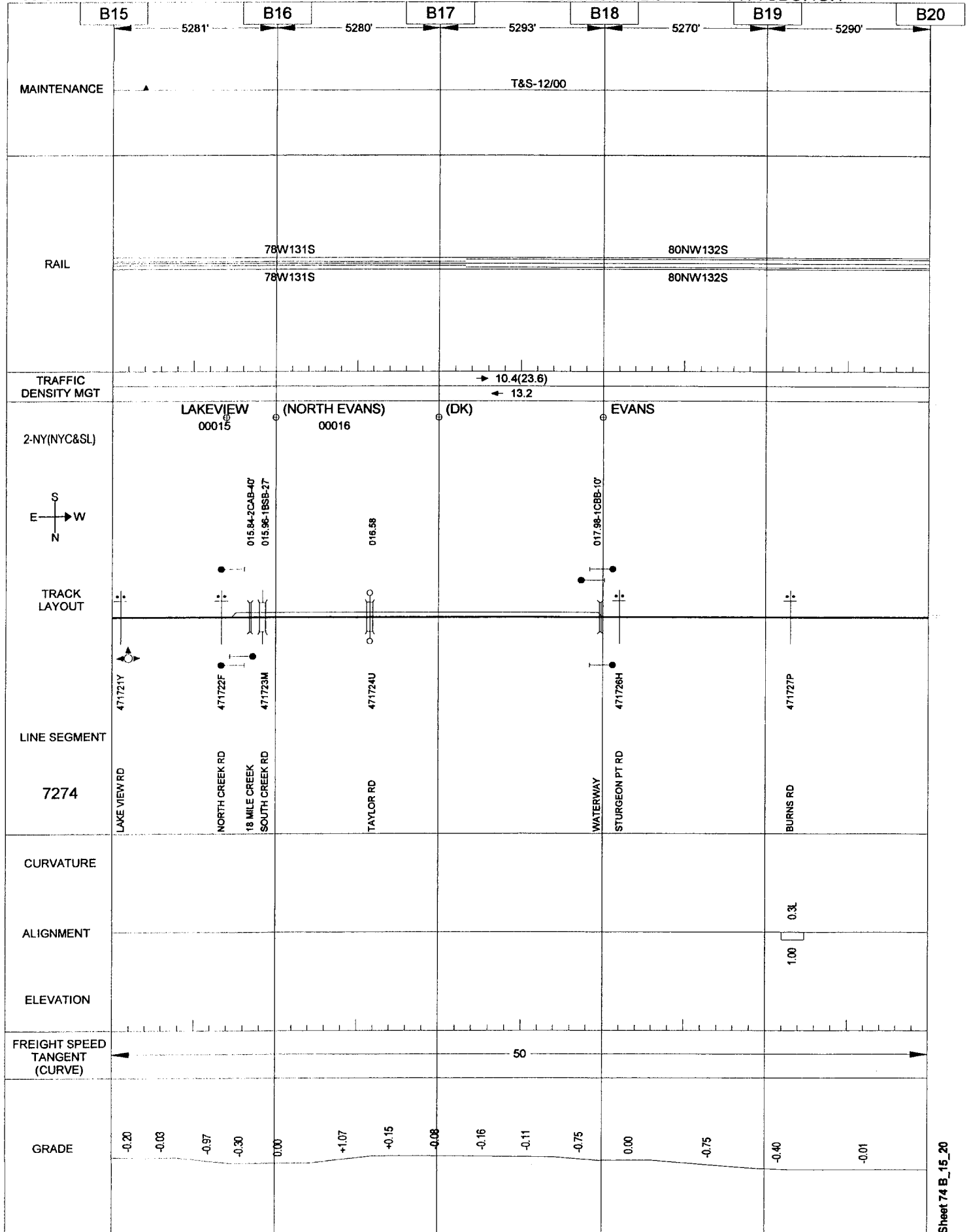


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127

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PITTSBURGH

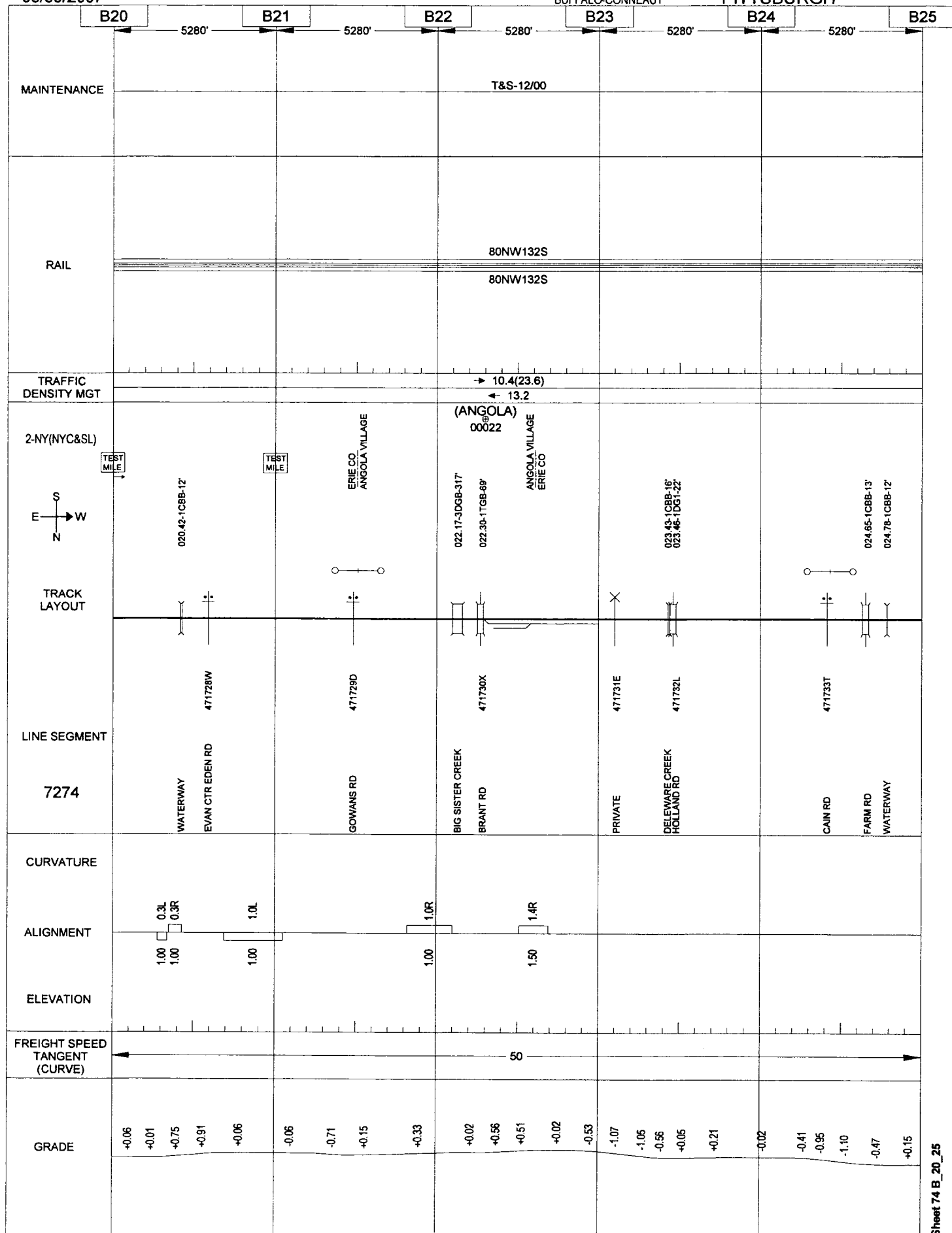


08/30/2007

128

BUFFALO-CONNEAUT

PITTSBURGH



PITTSBURGH

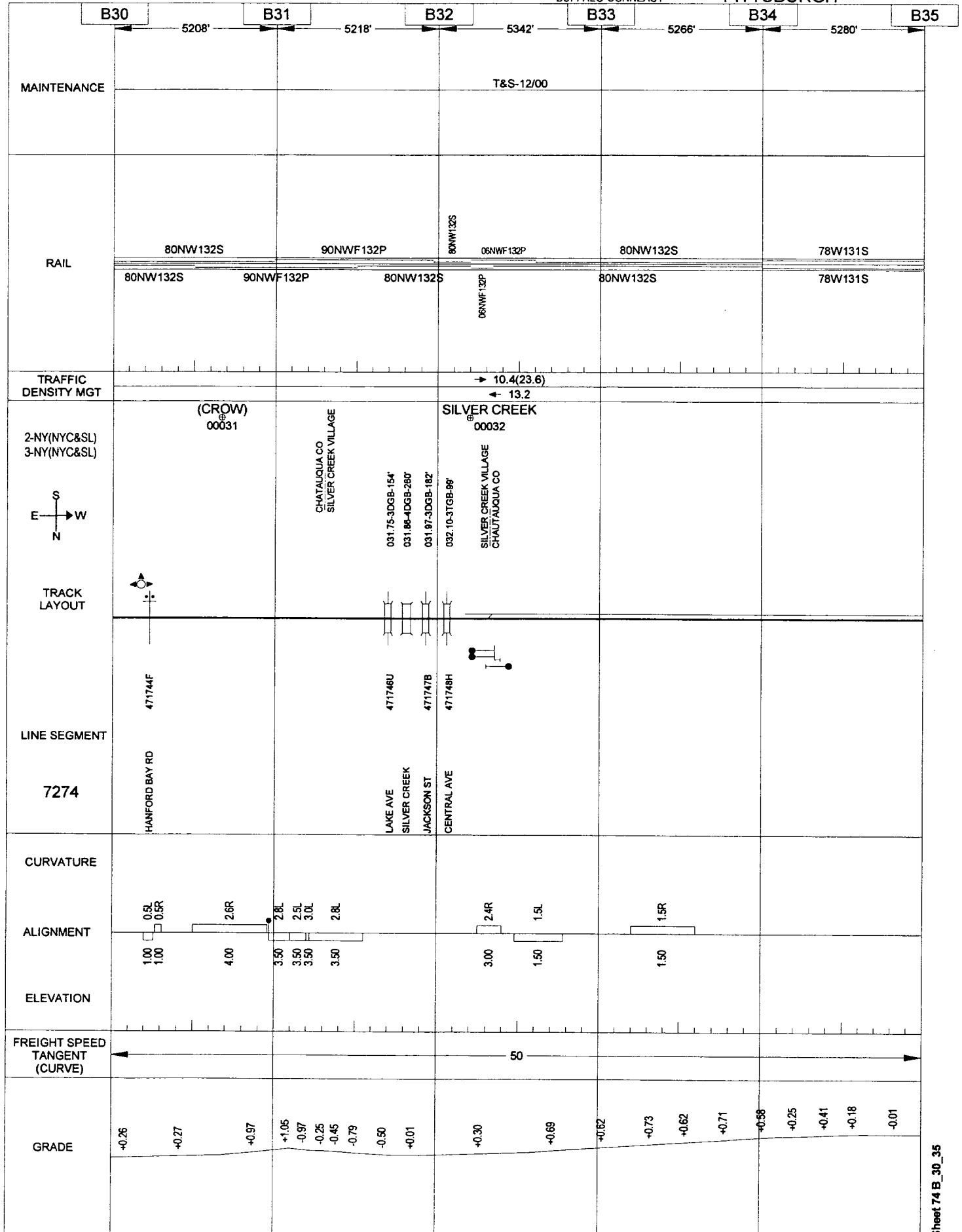
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08/30/2007

130

BUFFALO-CONNEAUT

PITTSBURGH

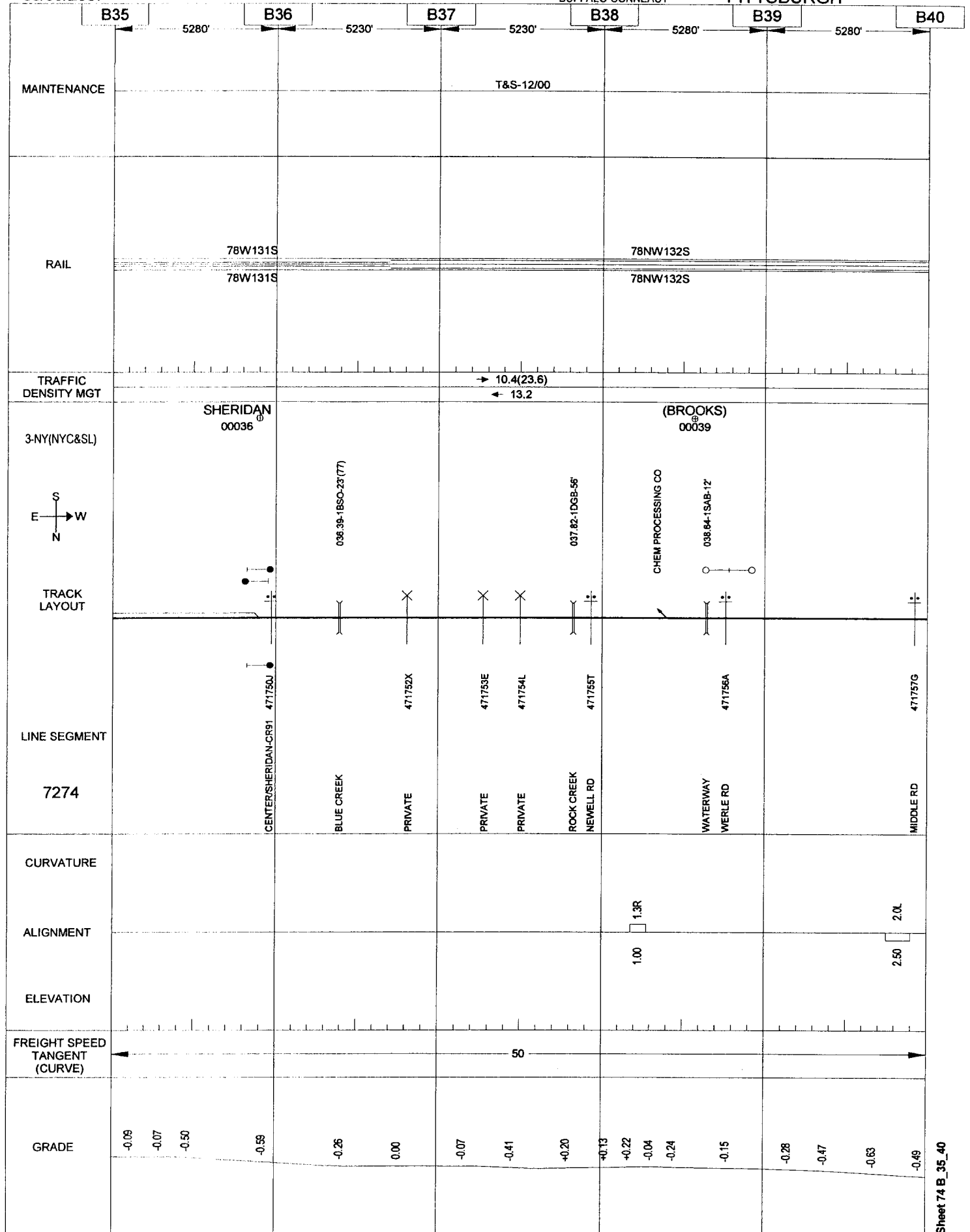


08/30/2007

131

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PITTSBURGH

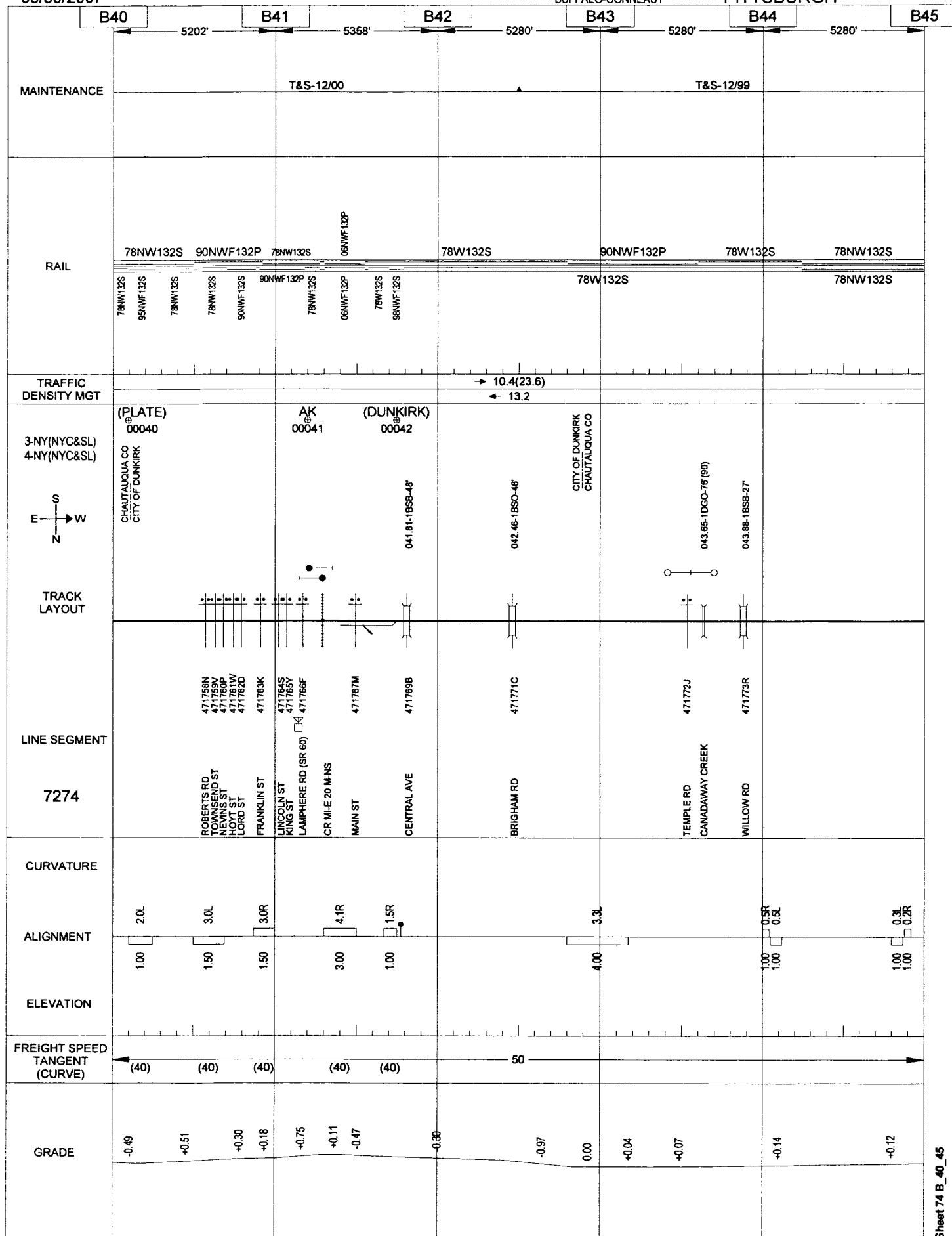


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132

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PITTSBURGH

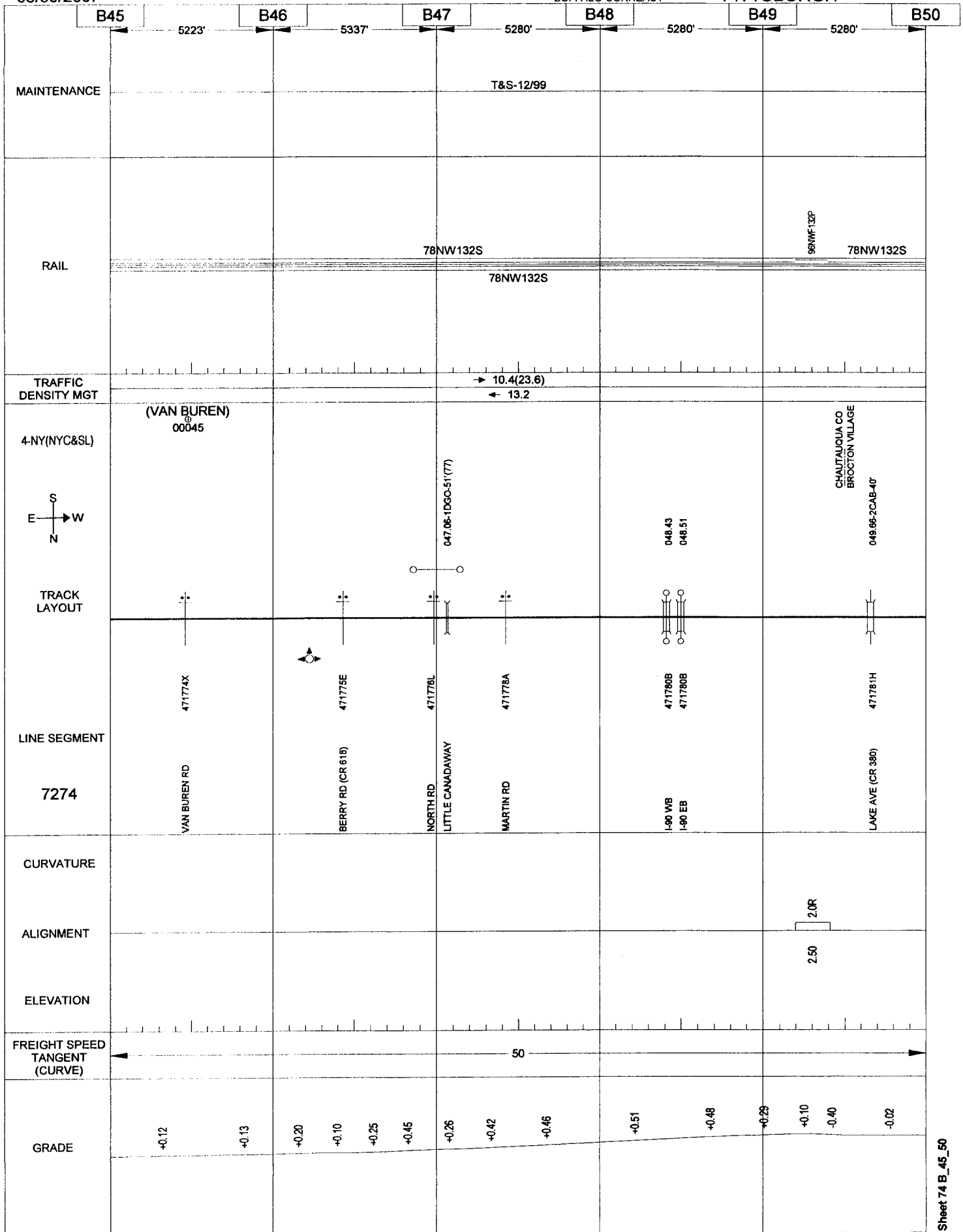


08/30/2007

133

BUFFALO-CONNEAUT

PITTSBURGH

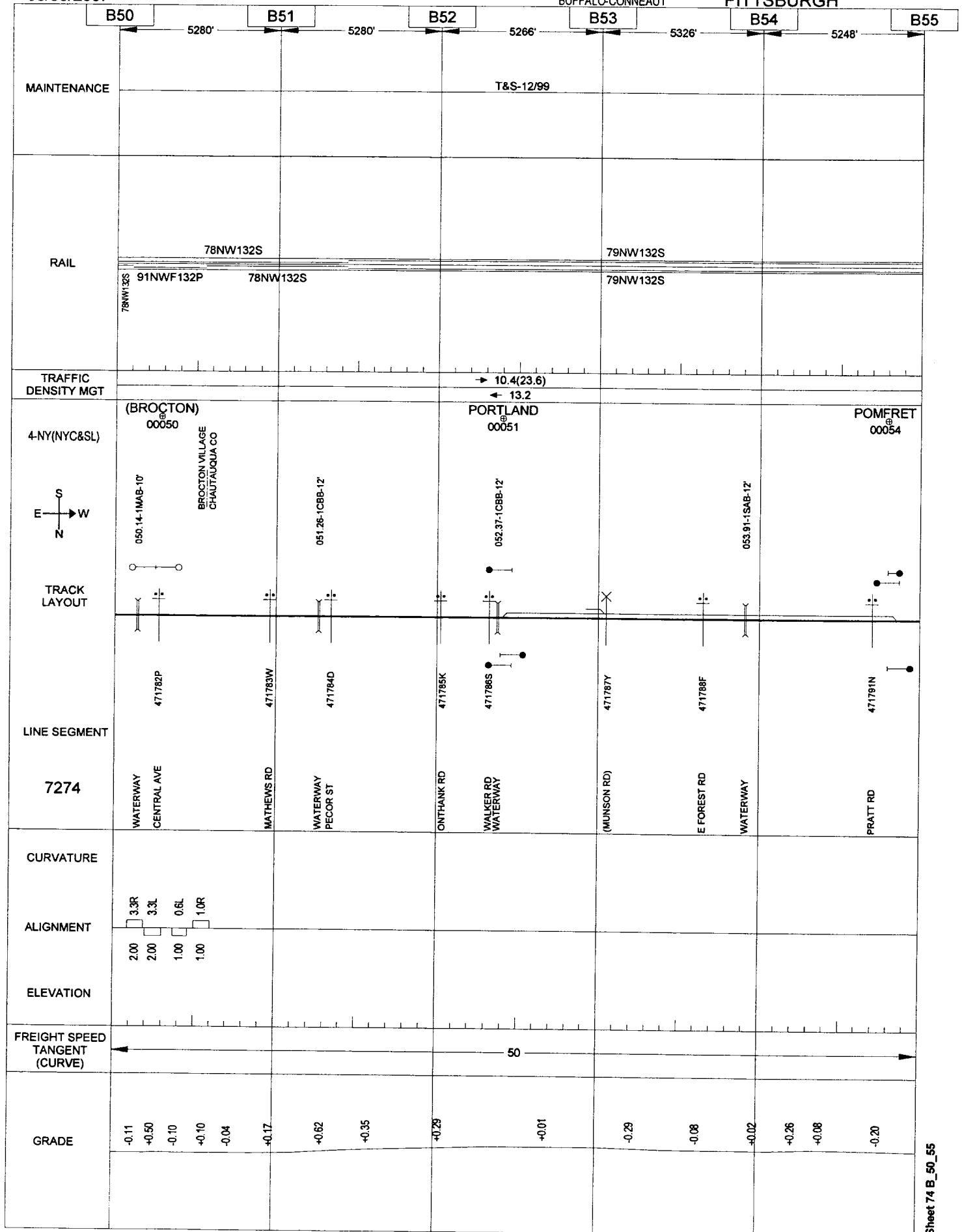


08/30/2007

134

BUFFALO-CONNEAUT

PITTSBURGH



PITTSBURGH

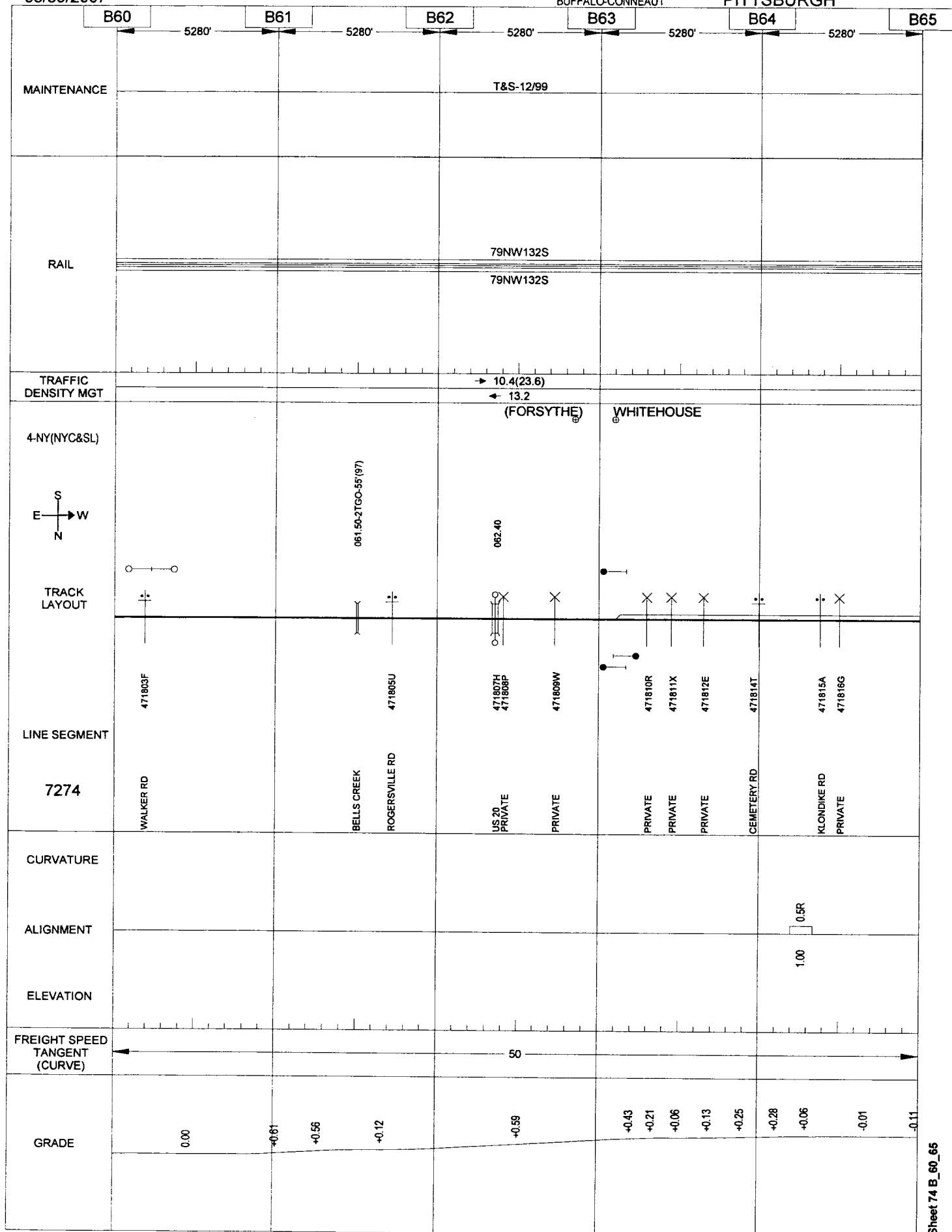
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08/30/2007

136

BUFFALO-CONNEAUT

PITTSBURGH

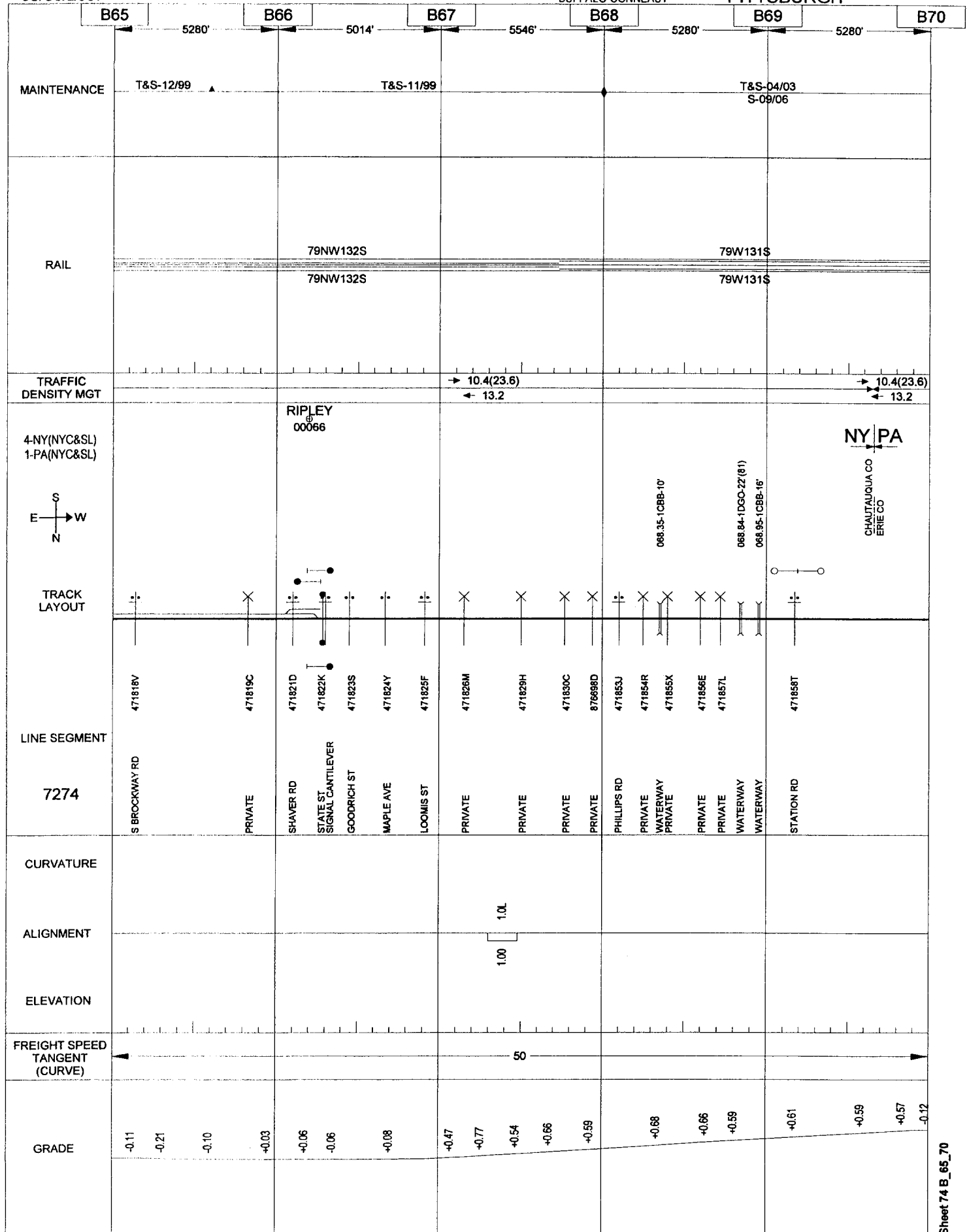


08/30/2007

137

BUFFALO-CONNEAUT

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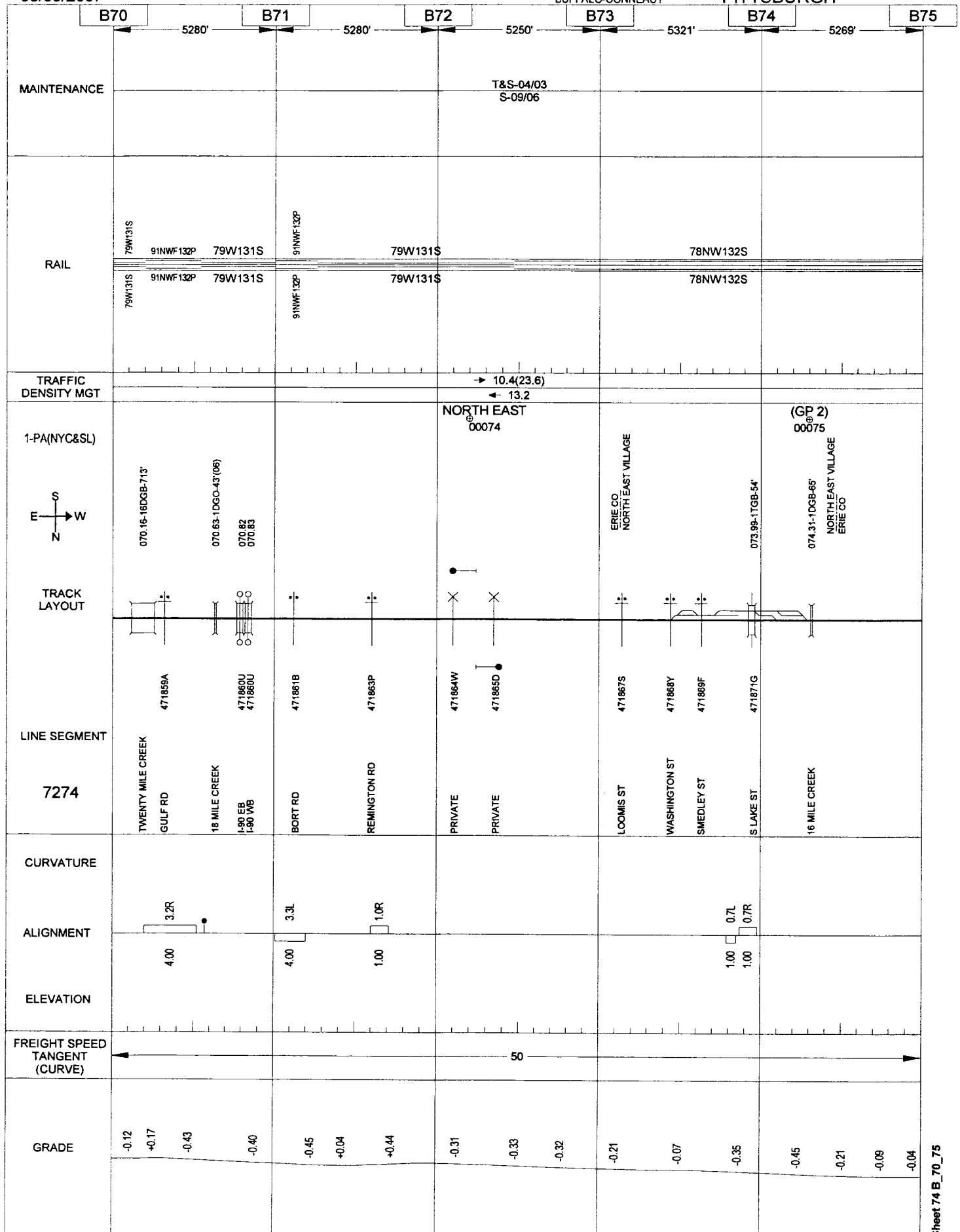


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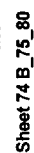
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BUFFALO-CONNEAUT

PITTSBURGH



PITTSBURGH

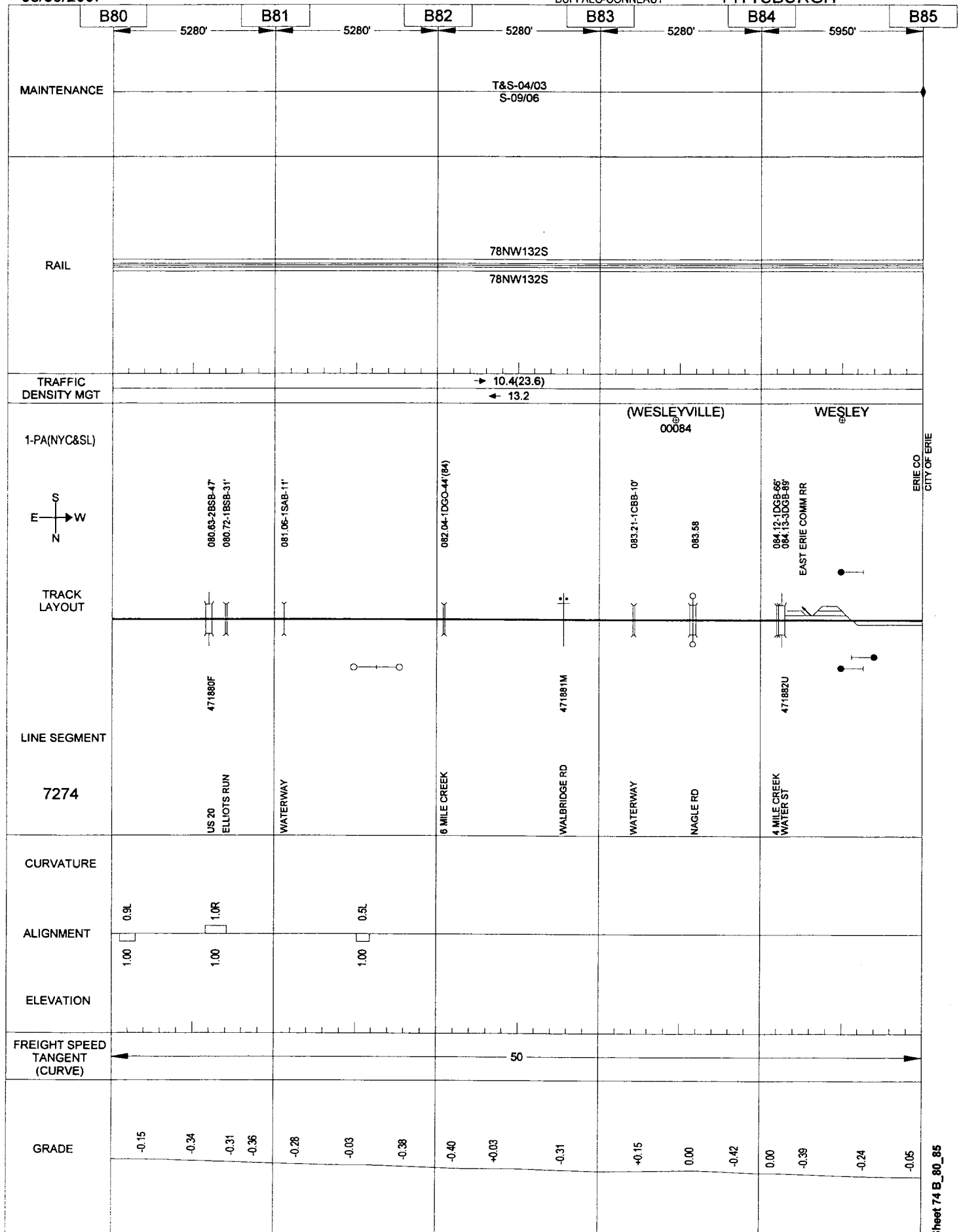


08/30/2007

140

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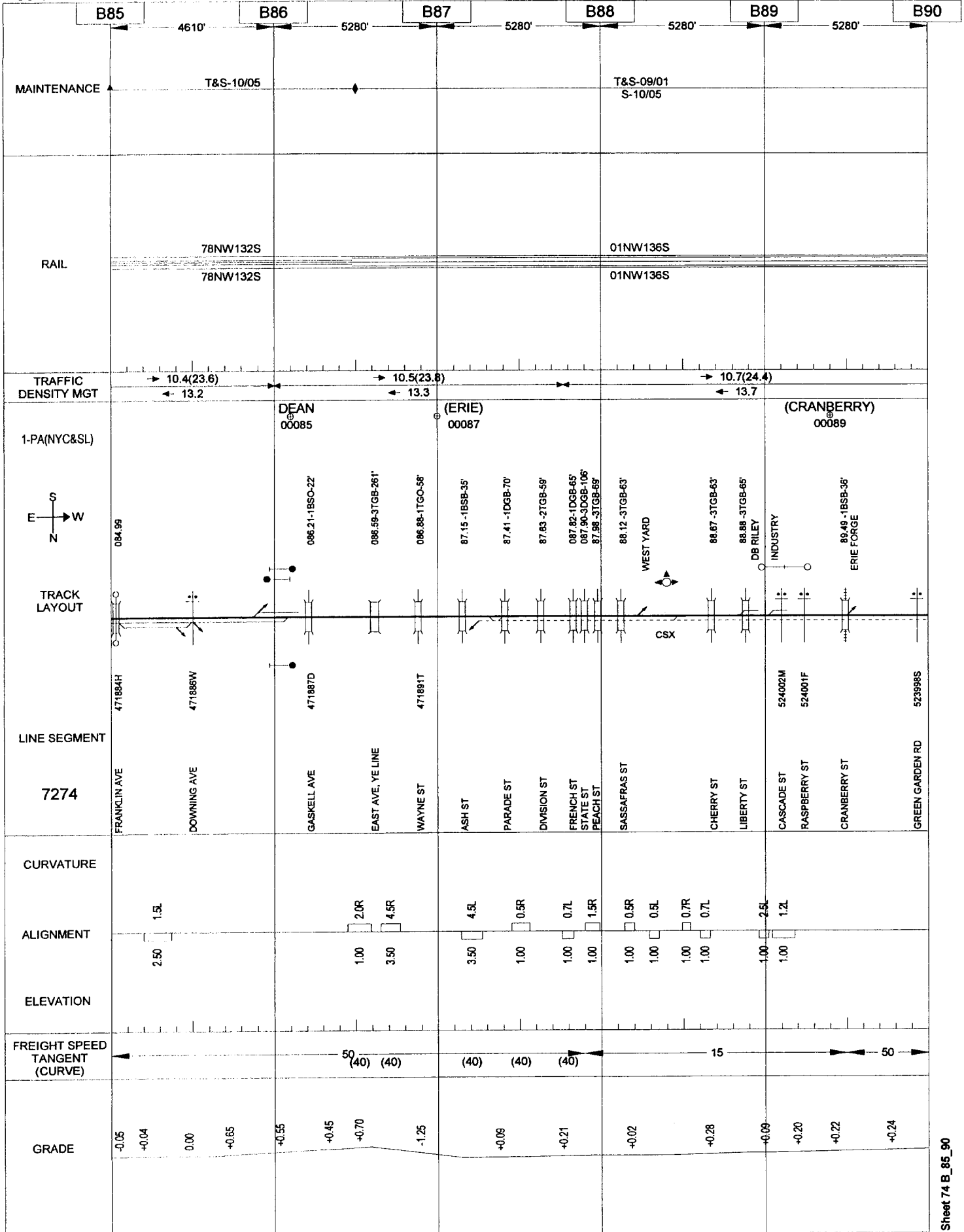


08/30/2007

141

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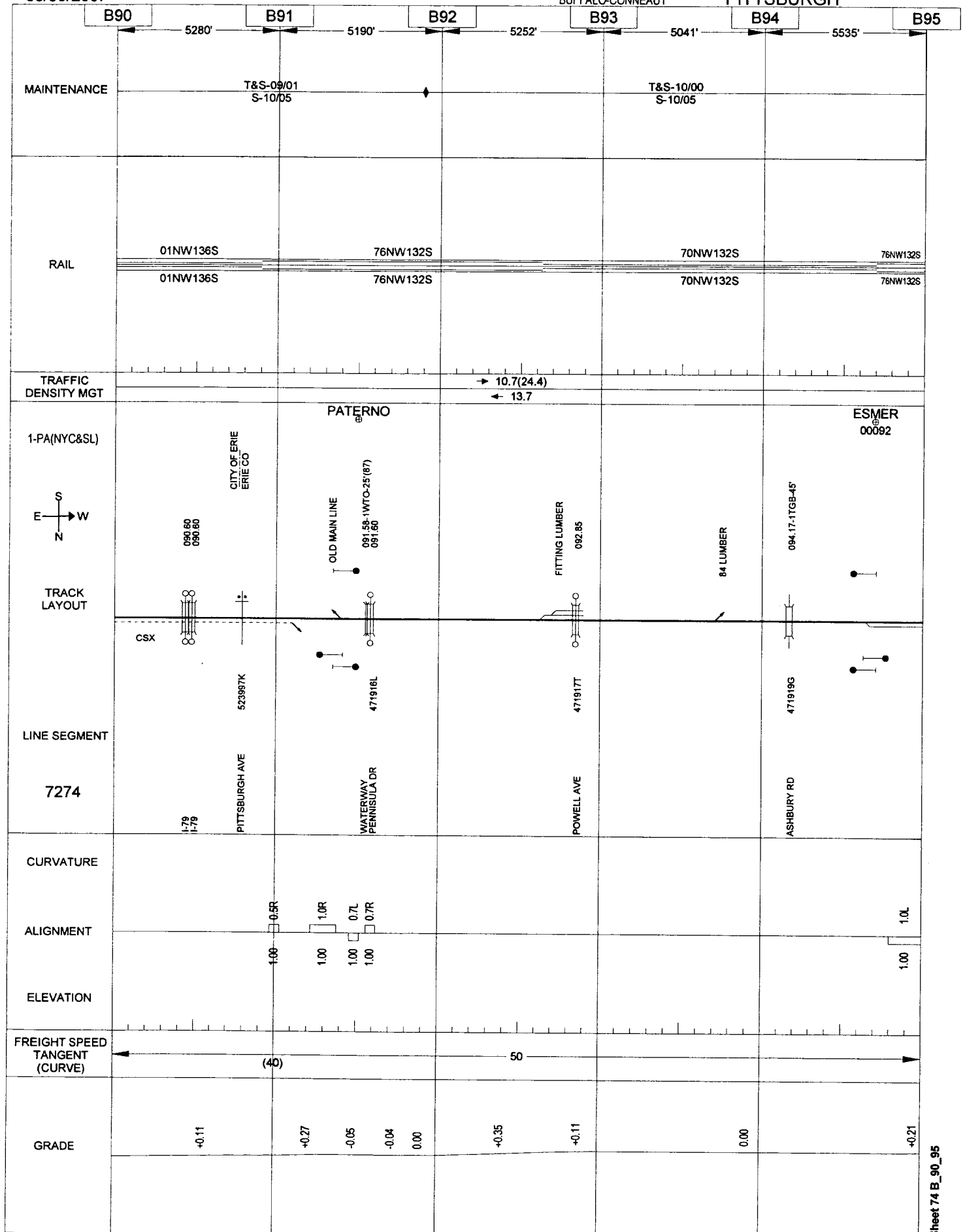


08/30/2007

142

BUFFALO-CONNEAUT

PITTSBURGH



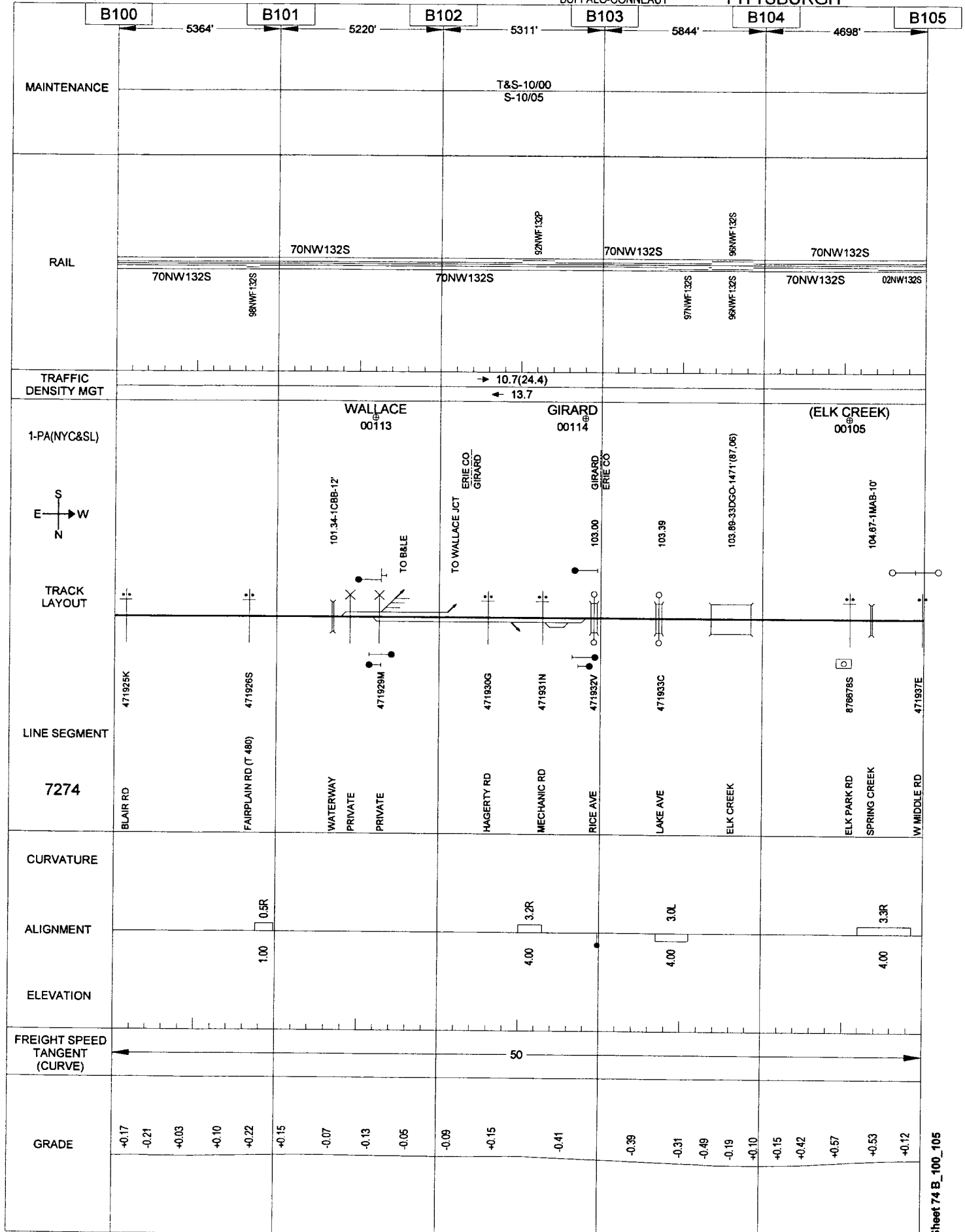
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08/30/2007

144

BUFFALO-CONNEAUT

PITTSBURGH

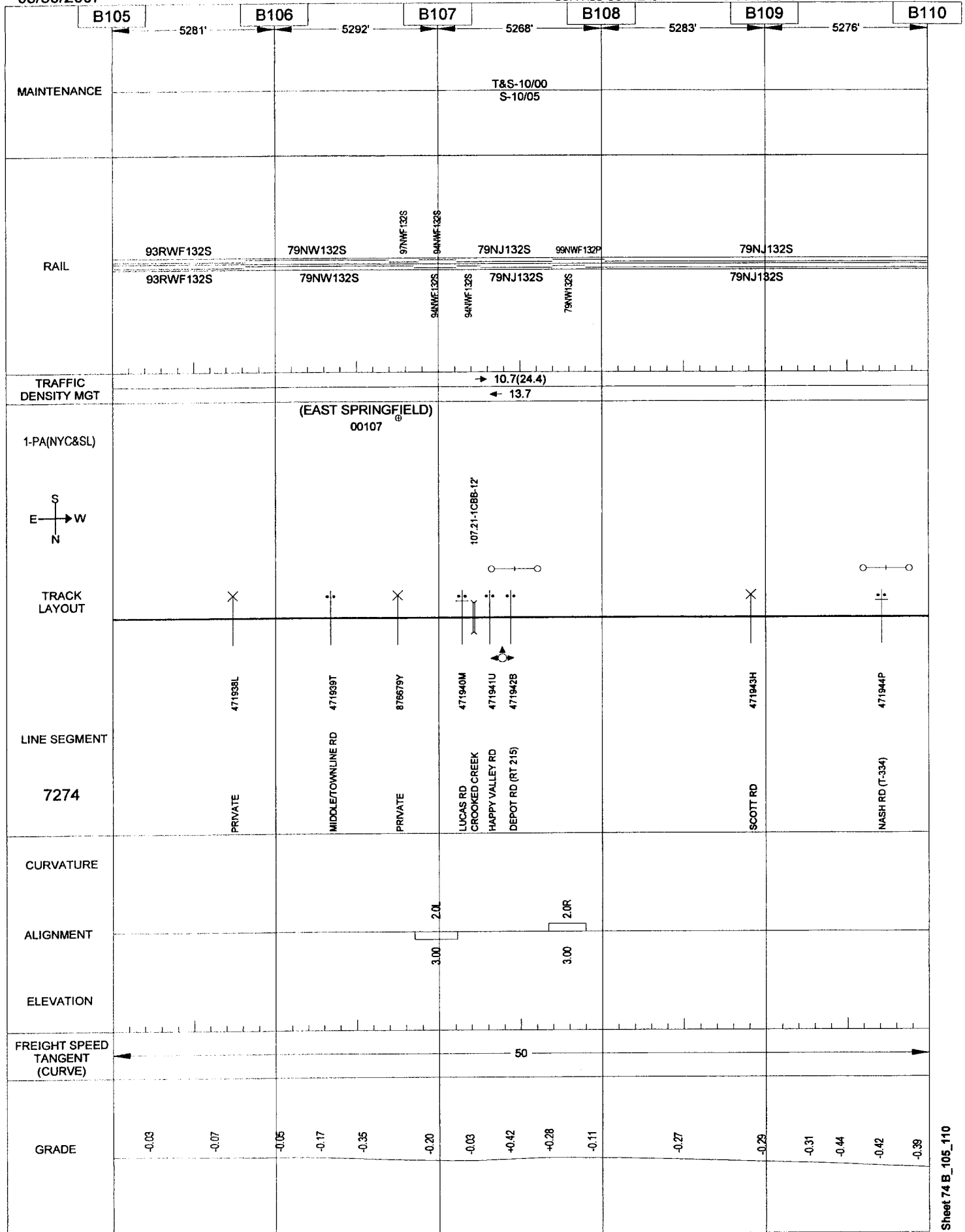


08/30/2007

145

BUFFALO-CONNEAUT

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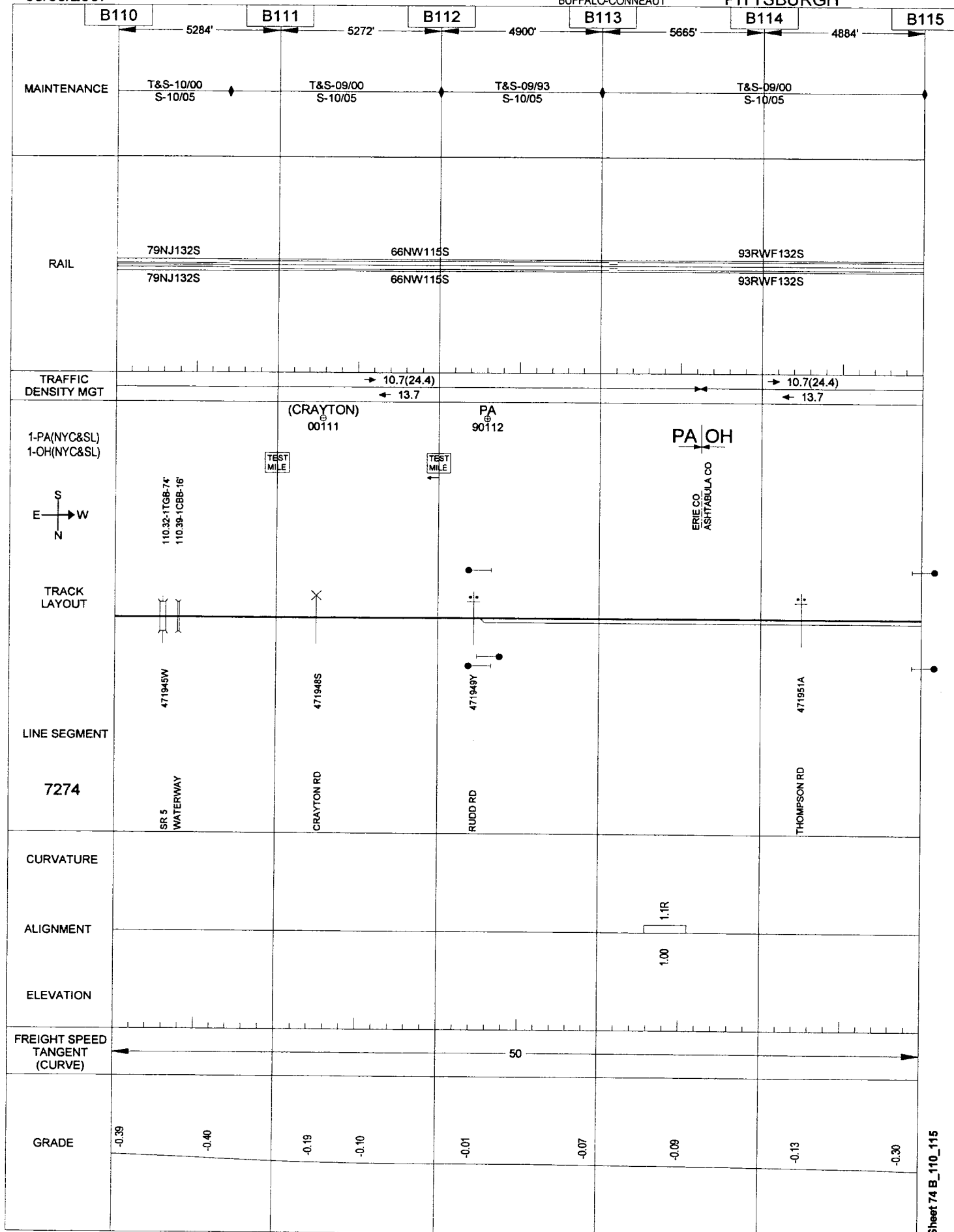


08/30/2007

146

BUFFALO-CONNEAUT

PITTSBURGH

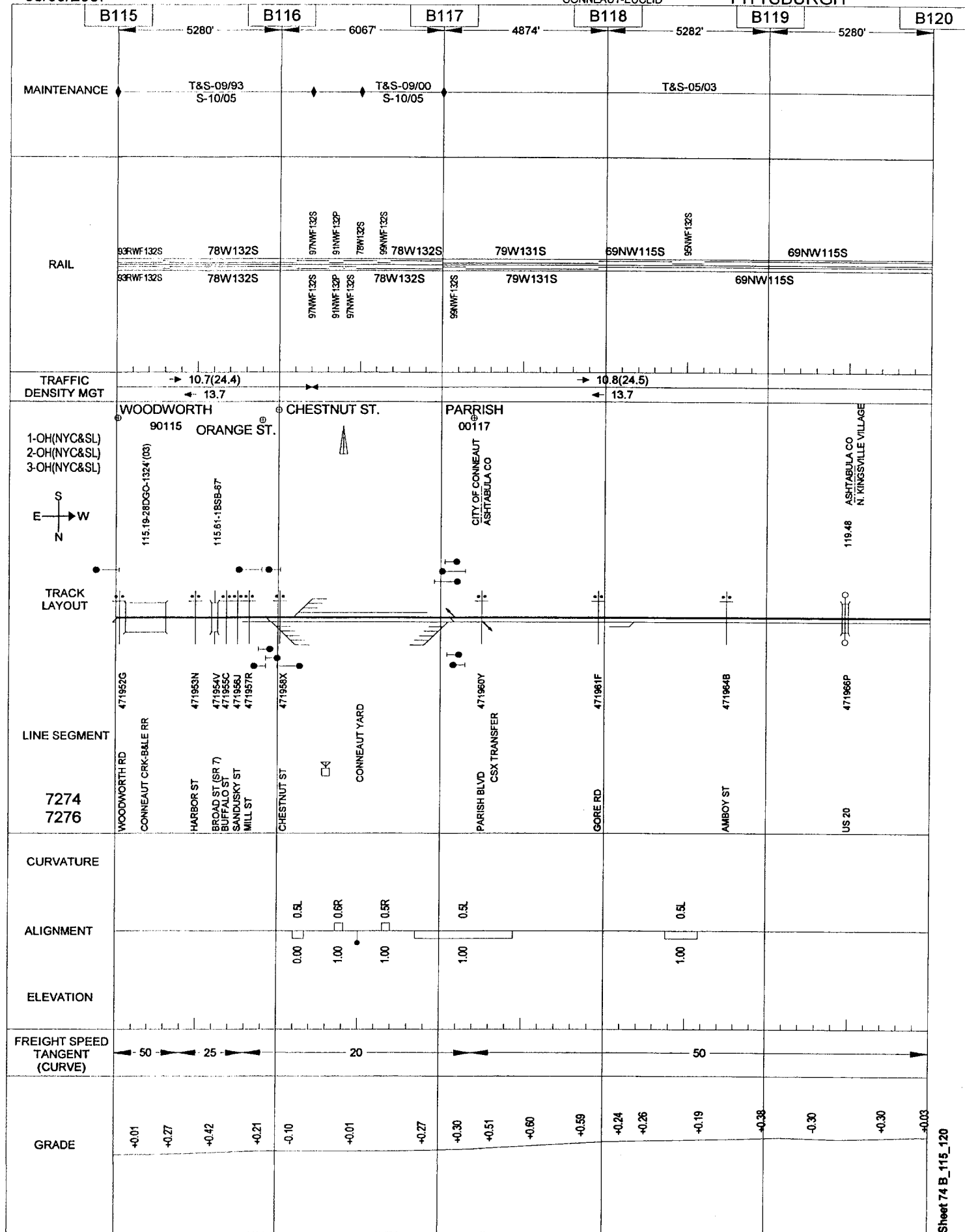


08/30/2007

147

CONNEAUT-EUCLID

PITTSBURGH

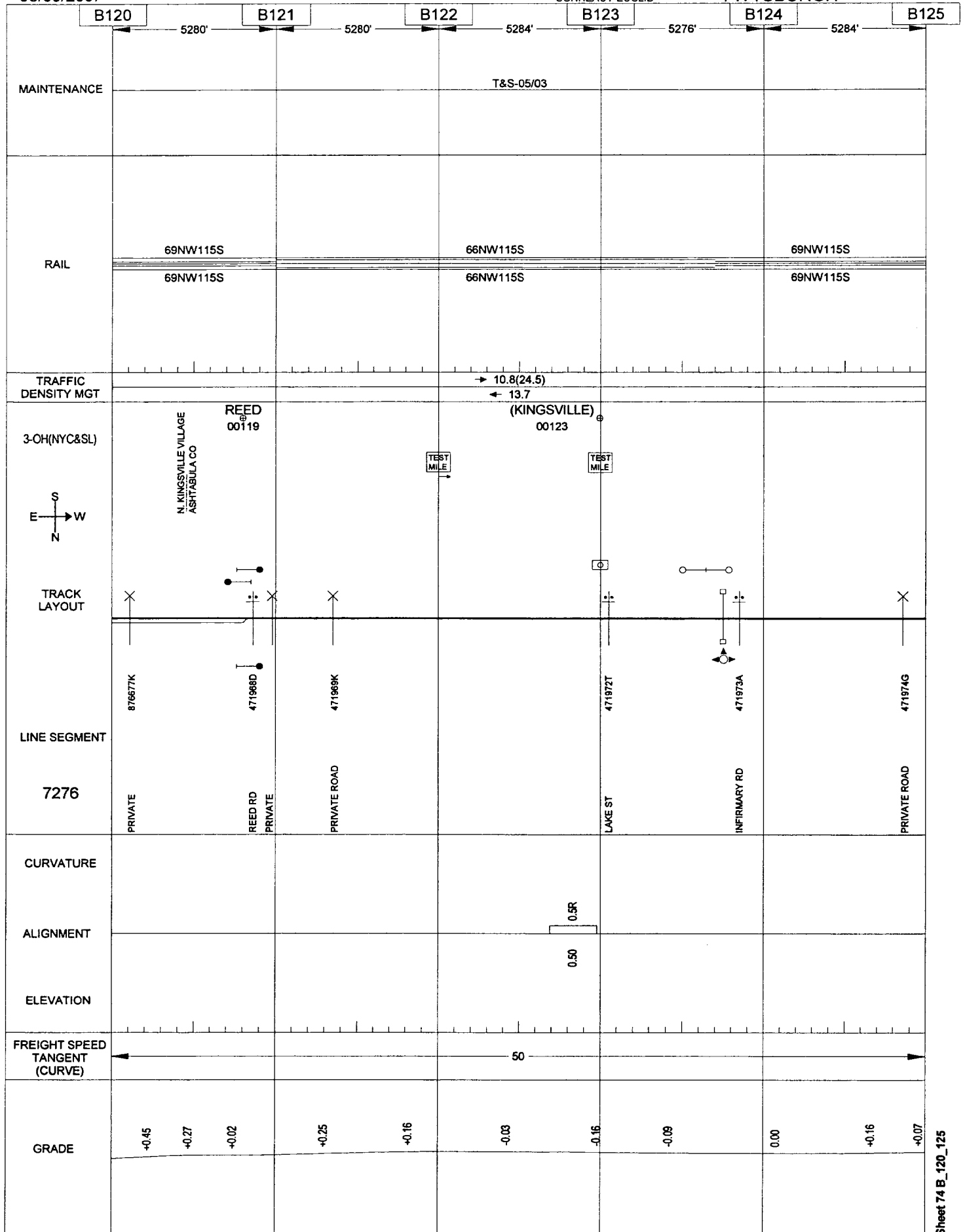


08/30/2007

148

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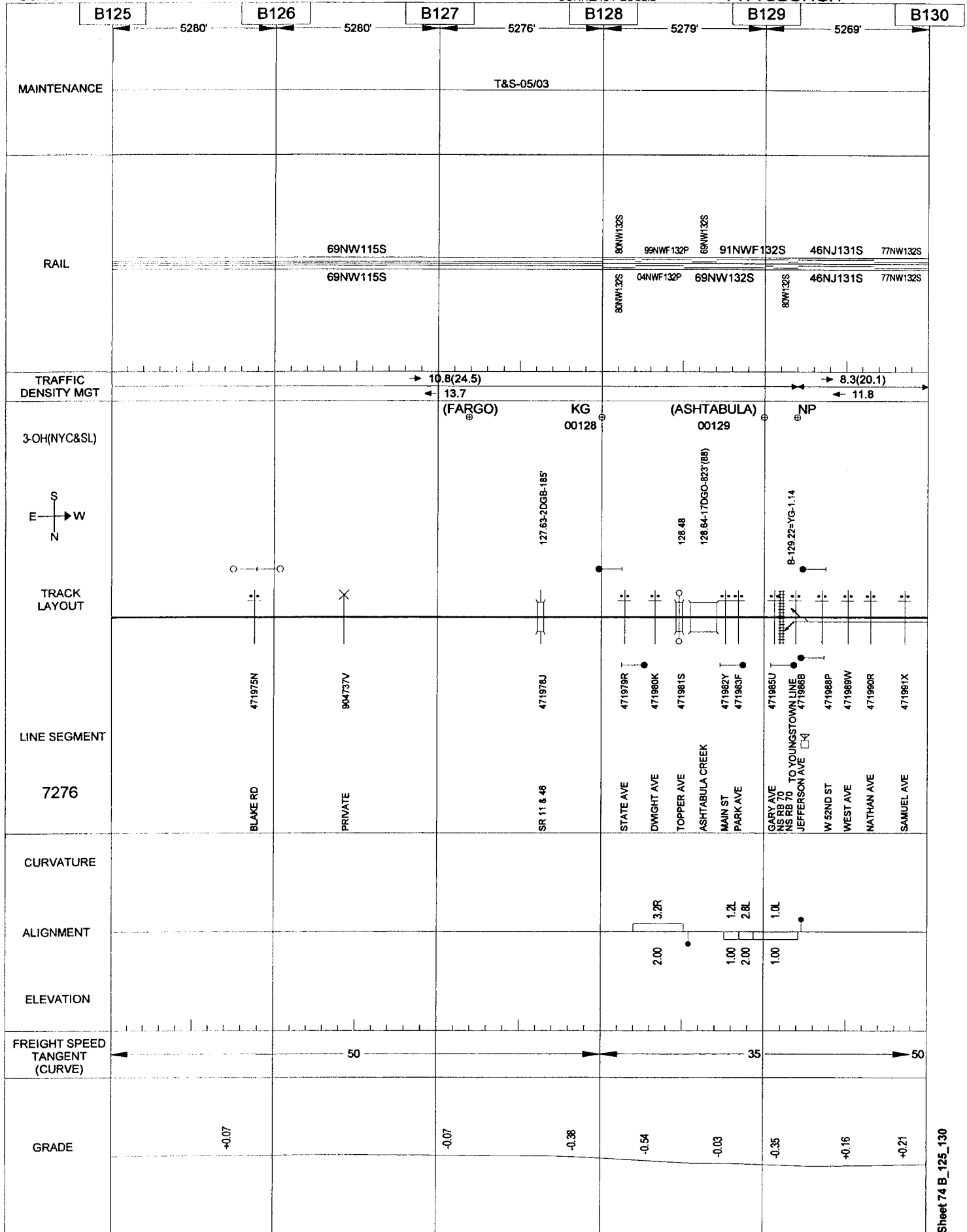


08/30/2007

149

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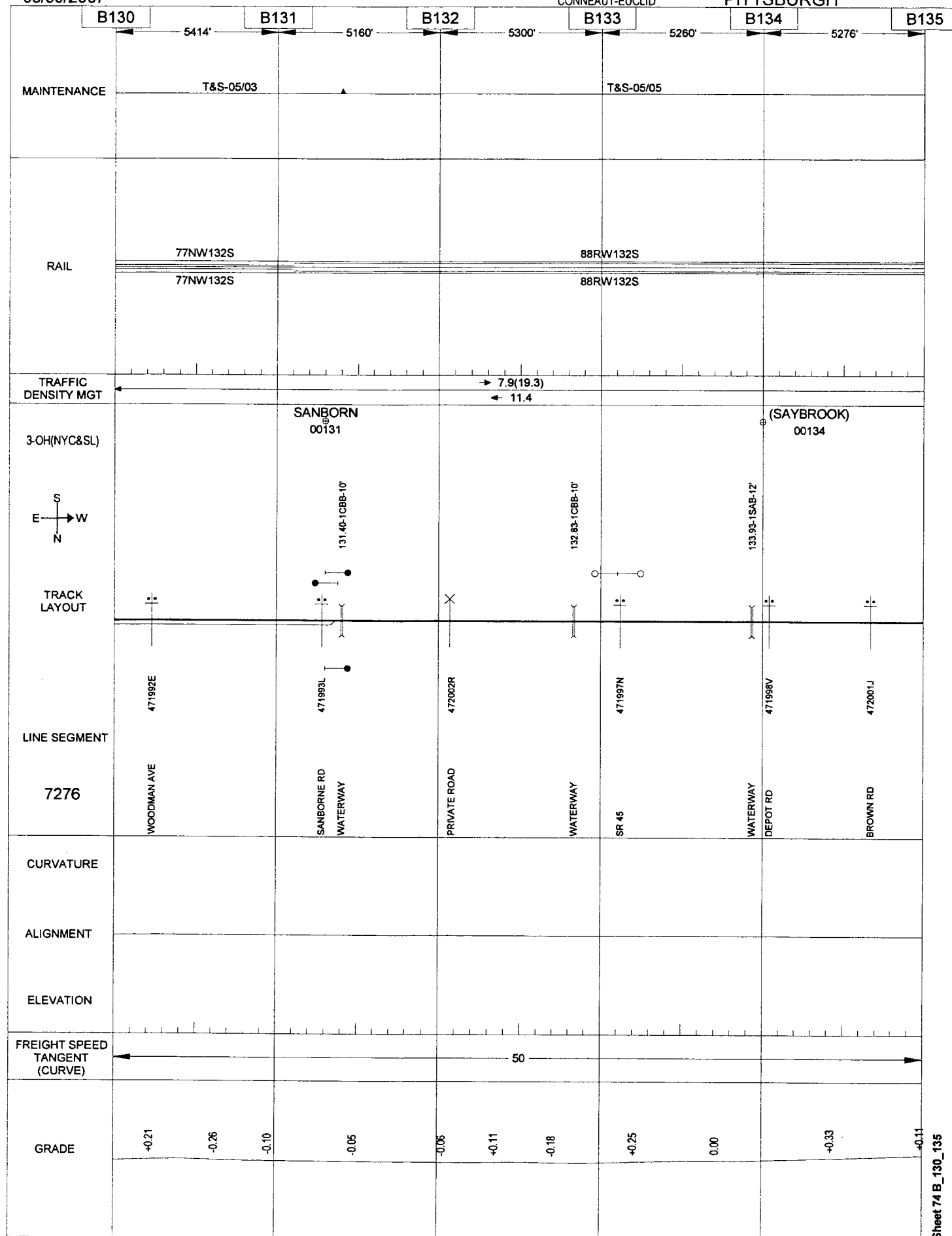


08/30/2007

150

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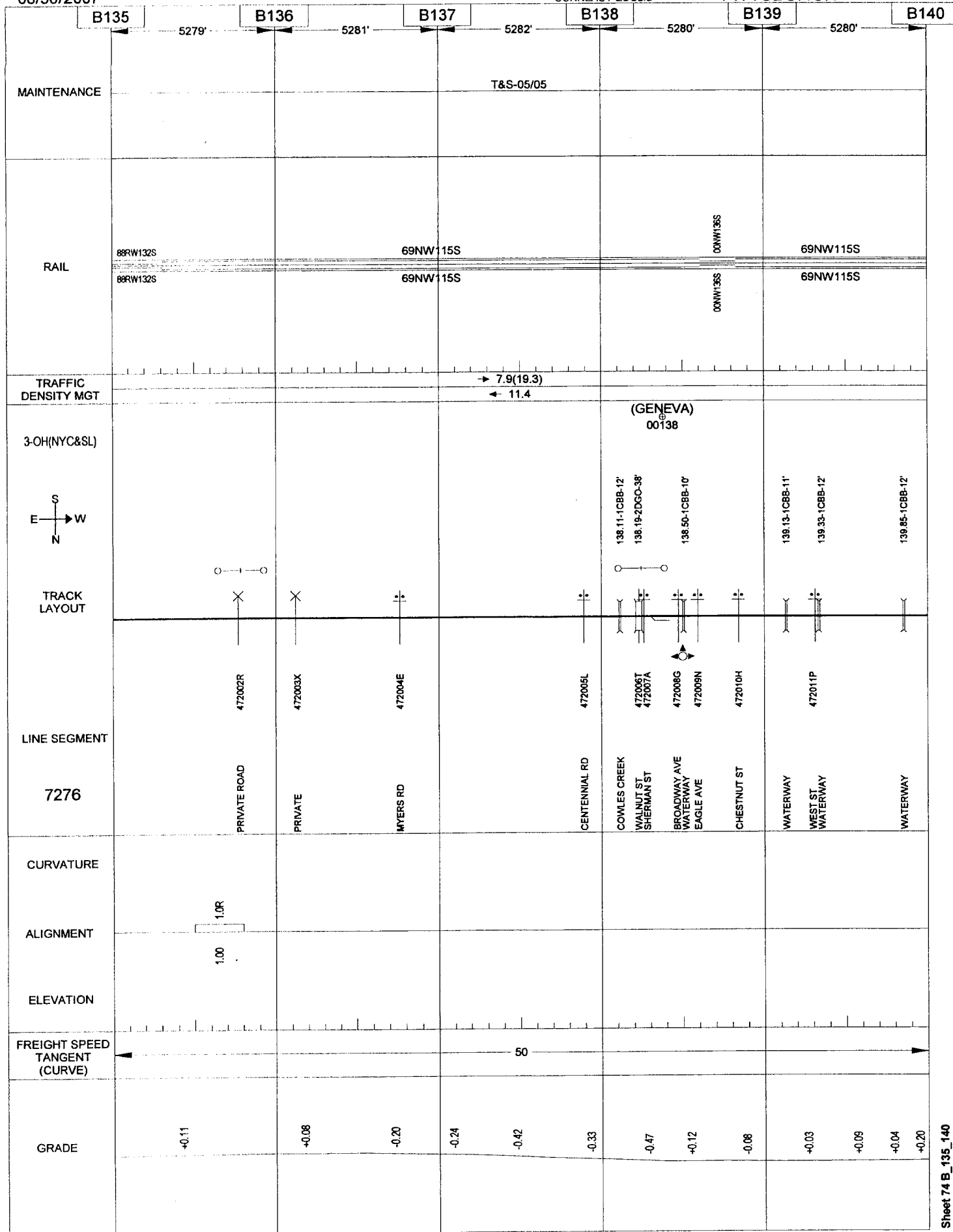


08/30/2007

151

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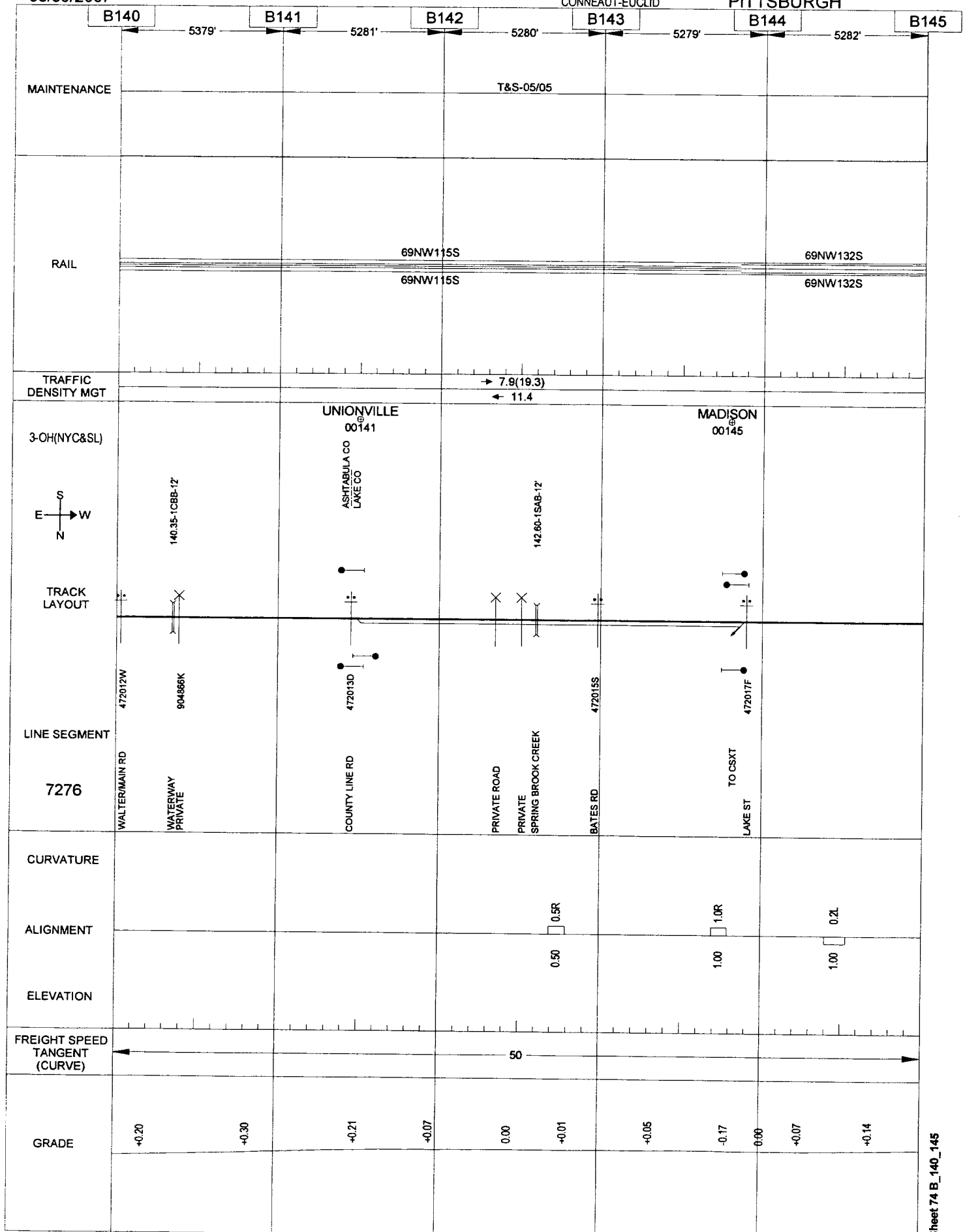


08/30/2007

152

CONNEAUT-EUCLID

PITTSBURGH

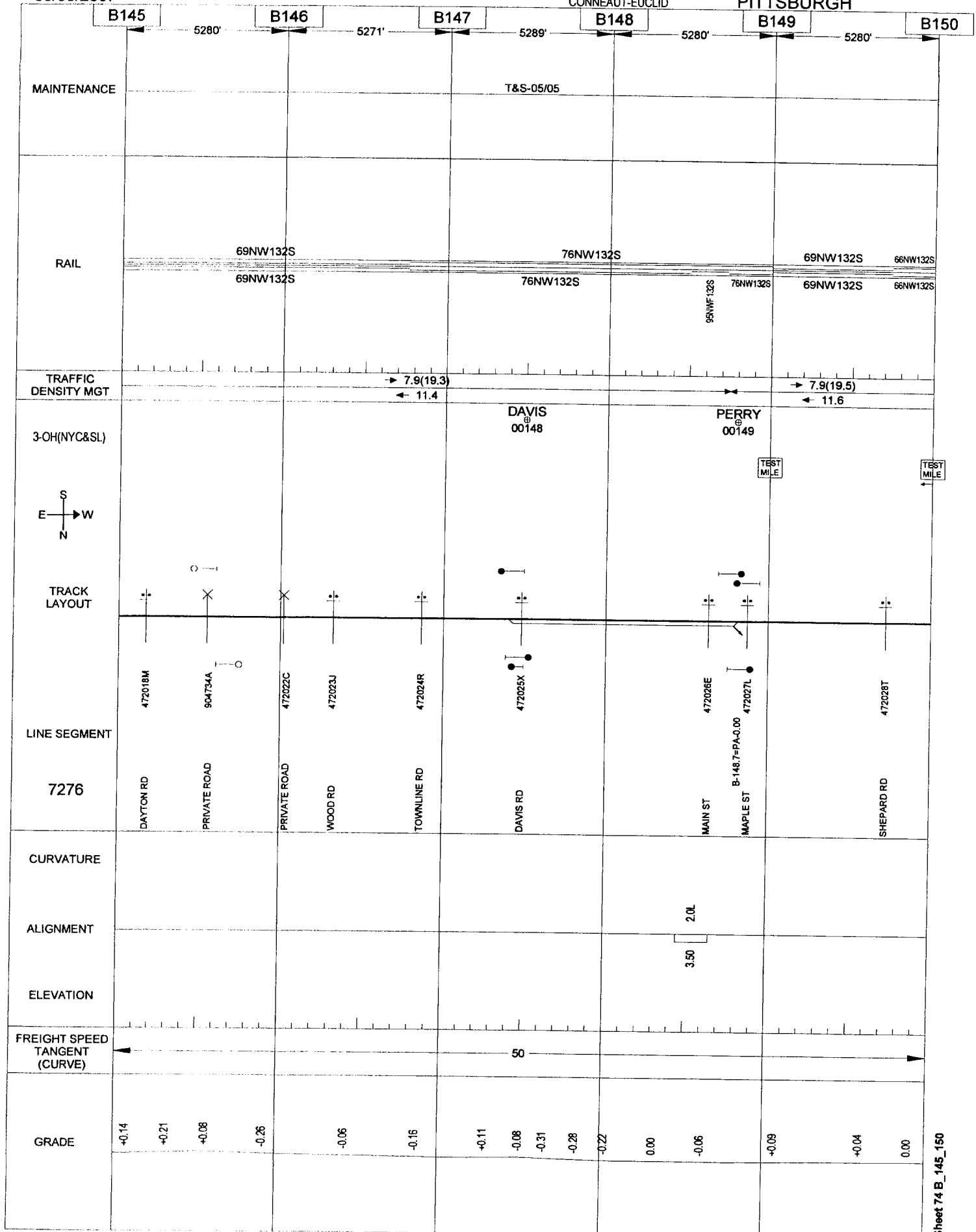


08/30/2007

153

CONNEAUT-EUCLID

PITTSBURGH



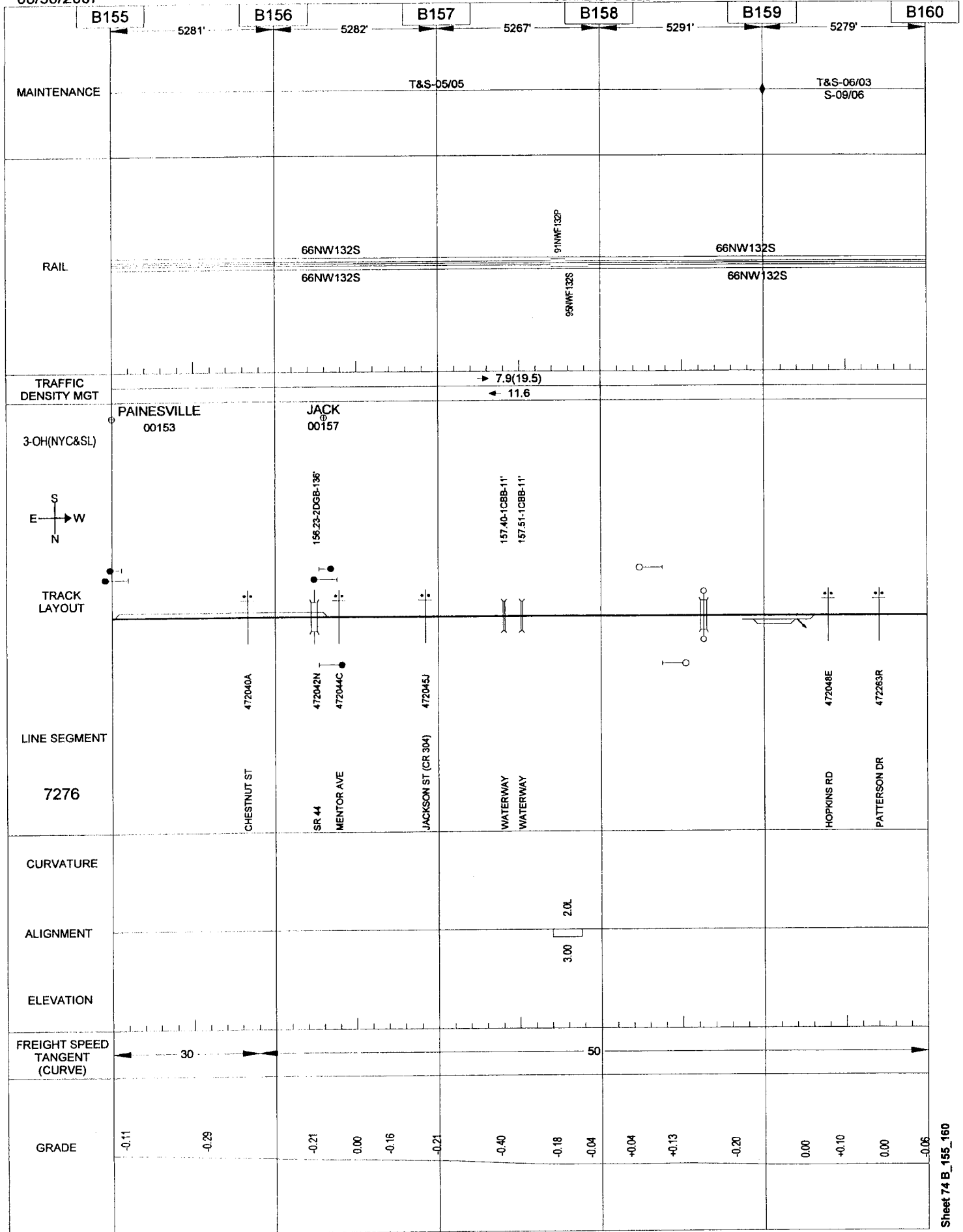
08/30/2007		CONNECTION-EGGLED		TYPED SECTION		Sheet 74 B 150 155					
B150		B151		B152		B153		B154		B155	
5280'		5281'		5280'		5280'		5279'			
MAINTENANCE		T&S-05/05									
RAIL		66NW132S 66NW132S 67NW132S 67NW132S 91NWF132P 91NWF132P 67NW132S 67NW132S 66NW132S 66NW132S 95NWF132S 95NWF132S 66NW132S 66NW132S									
TRAFFIC DENSITY MGT		→ 7.9(19.5) ← 11.6									
3-OH(NYC&SL)		PAINESVILLE 00153									
E S N W		154.16-28DGO-1311'(83)									
TRACK LAYOUT											
LINE SEGMENT		472029A 472030U 472031B 472032H 472033P 472034W 472035D 472036K 472038F									
7276		BAKER/KEENER RD PRIVATE LANE RD PARK RD (CR 301) MADISON RD RIVERSIDE DR GRAND RIVER - SR 84 BANK ST STATE ST LIBERTY ST									
CURVATURE											
ALIGNMENT		3.0R 4.00 2.0L 3.00									
ELEVATION											
FREIGHT SPEED TANGENT (CURVE)		50 30									
GRADE		0.00 +0.05 +0.03 +0.04 0.00 -0.10 -0.15 +0.01 +0.13 -0.12 -0.18 -0.40 -0.03 +0.23 -0.05 -0.31 -0.11									

08/30/2007

155

CONNEAUT-EUCLID

PITTSBURGH

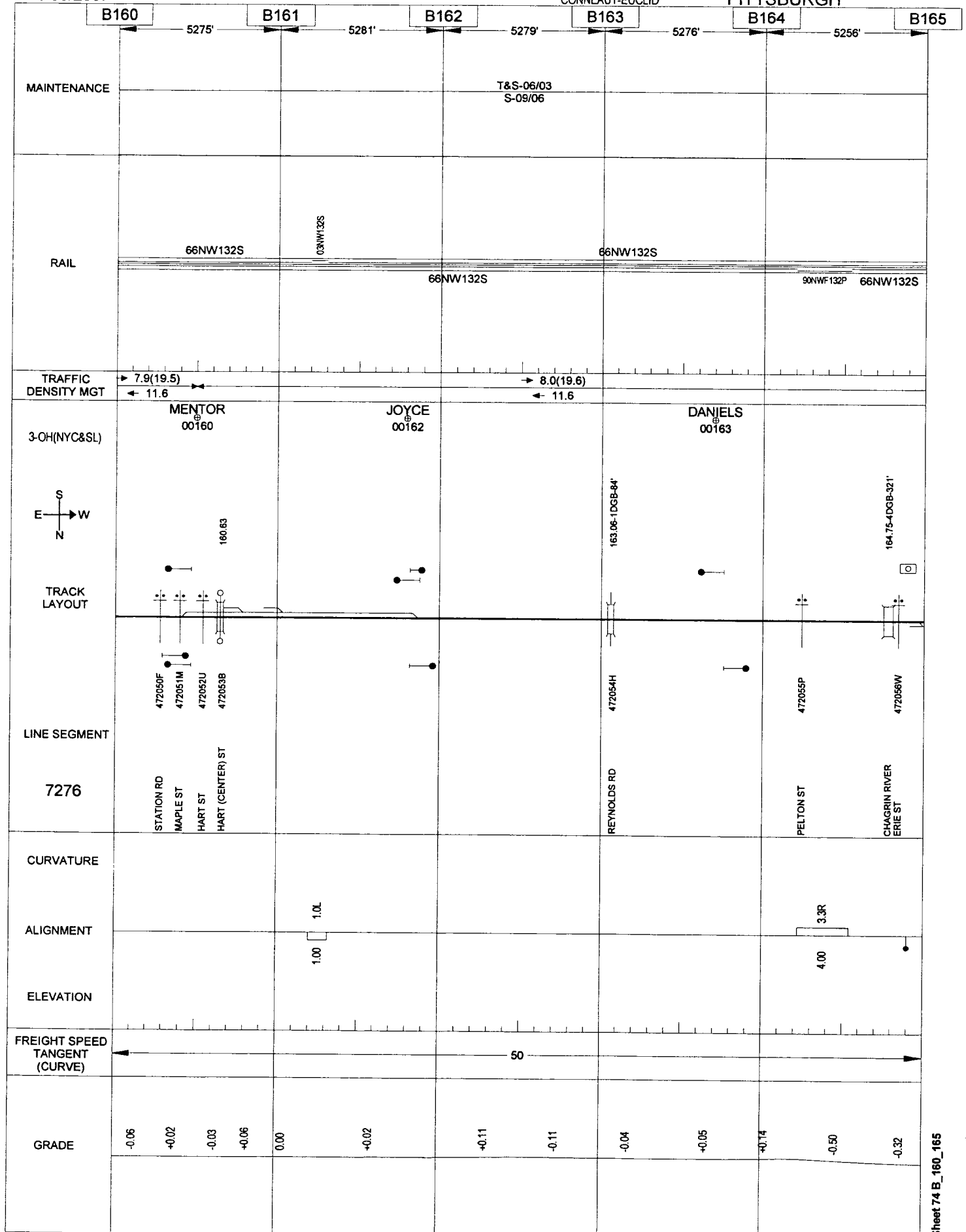


08/30/2007

156

CONNEAUT-EUCLID

PITTSBURGH

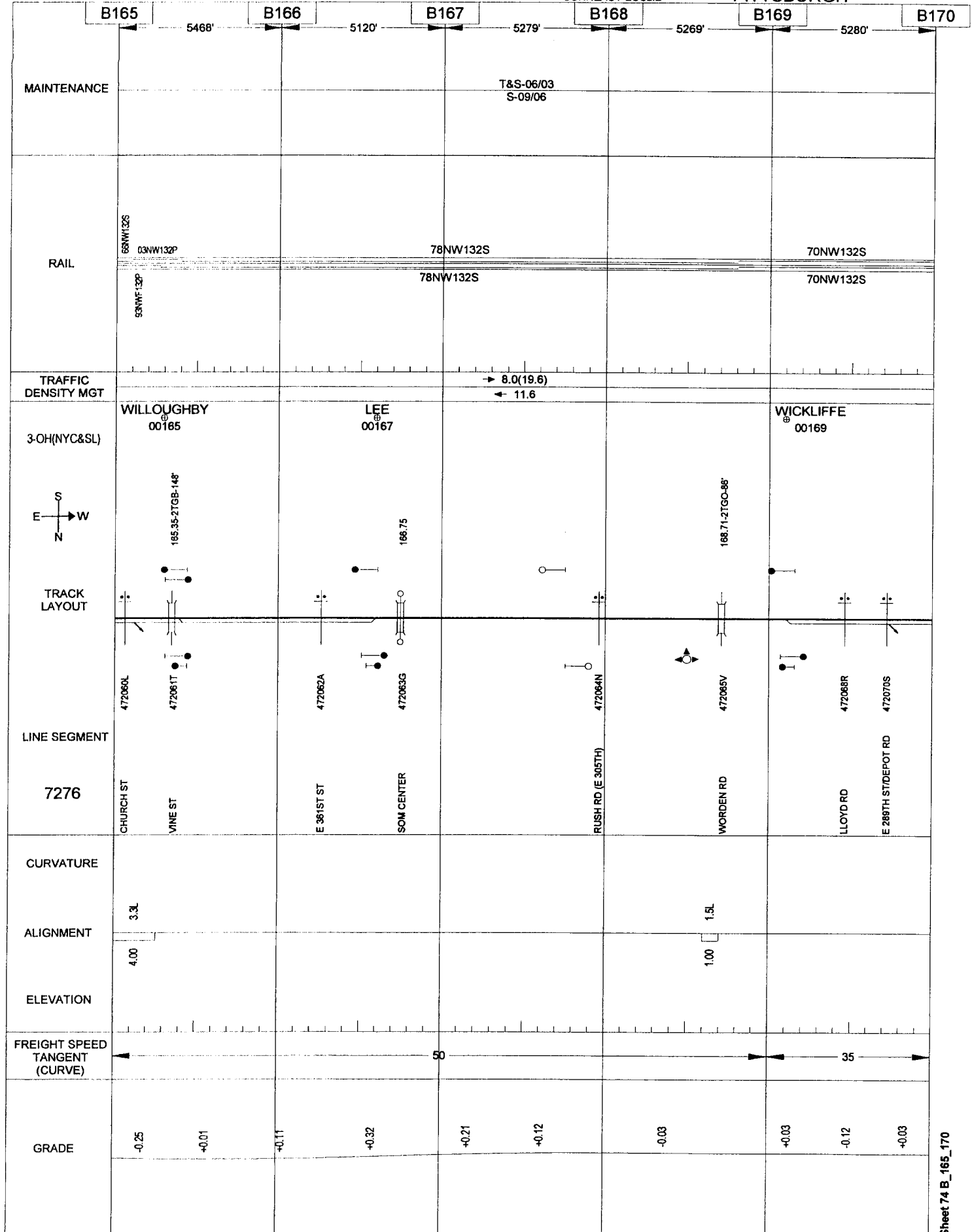


08/30/2007

157

CONNEAUT-EUCLID

PITTSBURGH

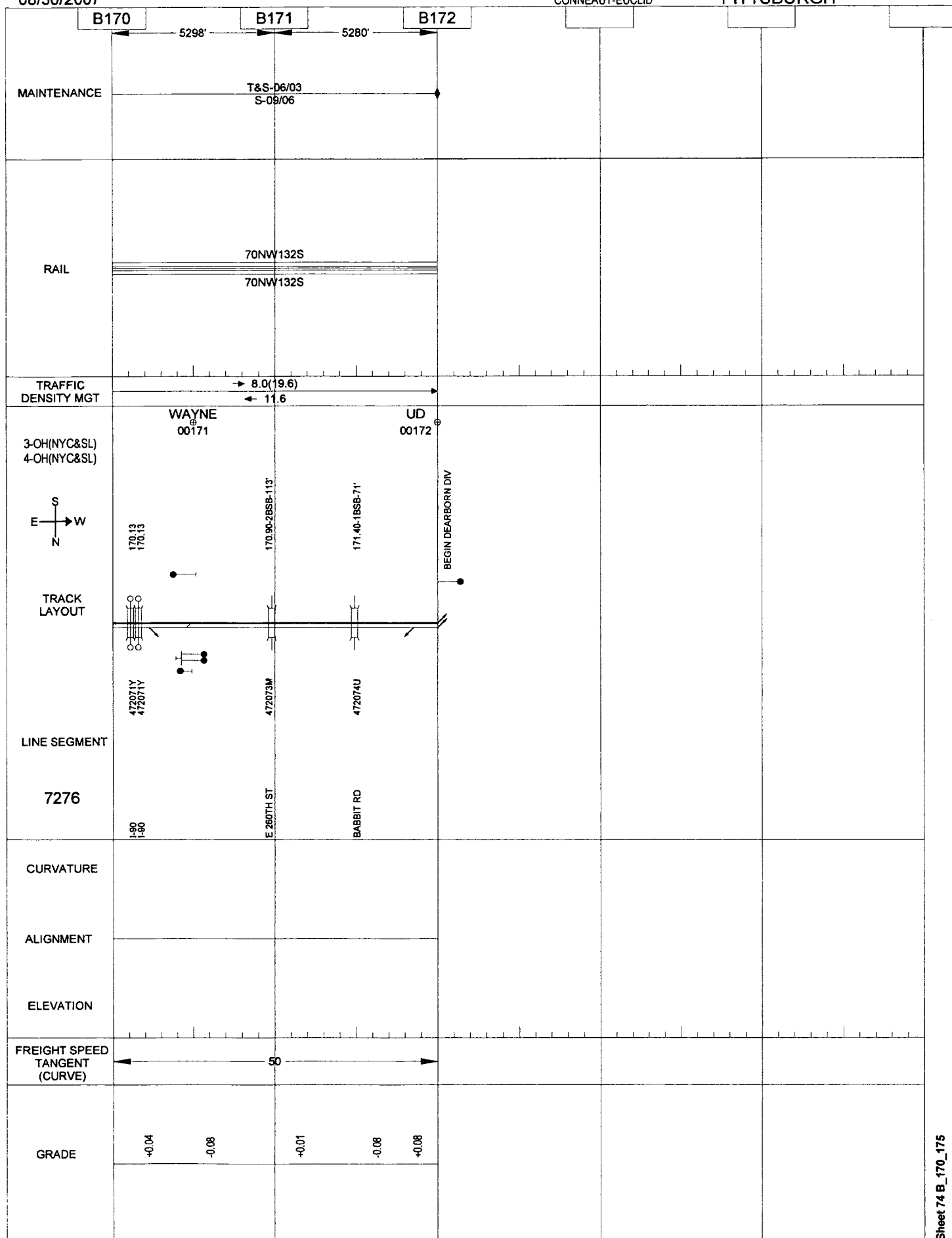


08/30/2007

158

CONNEAUT-EUCLID

PITTSBURGH



PITTSBURGH

1584

RAIL

#2

► 0.0(0.0)	
◄ 0.0	

CP JM

0002.15

#1
#2

0Y-0.0=YG-0.0

PR 0000
PR 0000
W 30TH ST

LAKE AVE

STREAM BO

ASHTABULA

W 5TH ST

**ROUTE 531
FOOT BRIDGE**

#1

#2

15

15
15

- 15

-0.16

1.23
-0.82

34

3

2

2015

0.00

08/30/2007

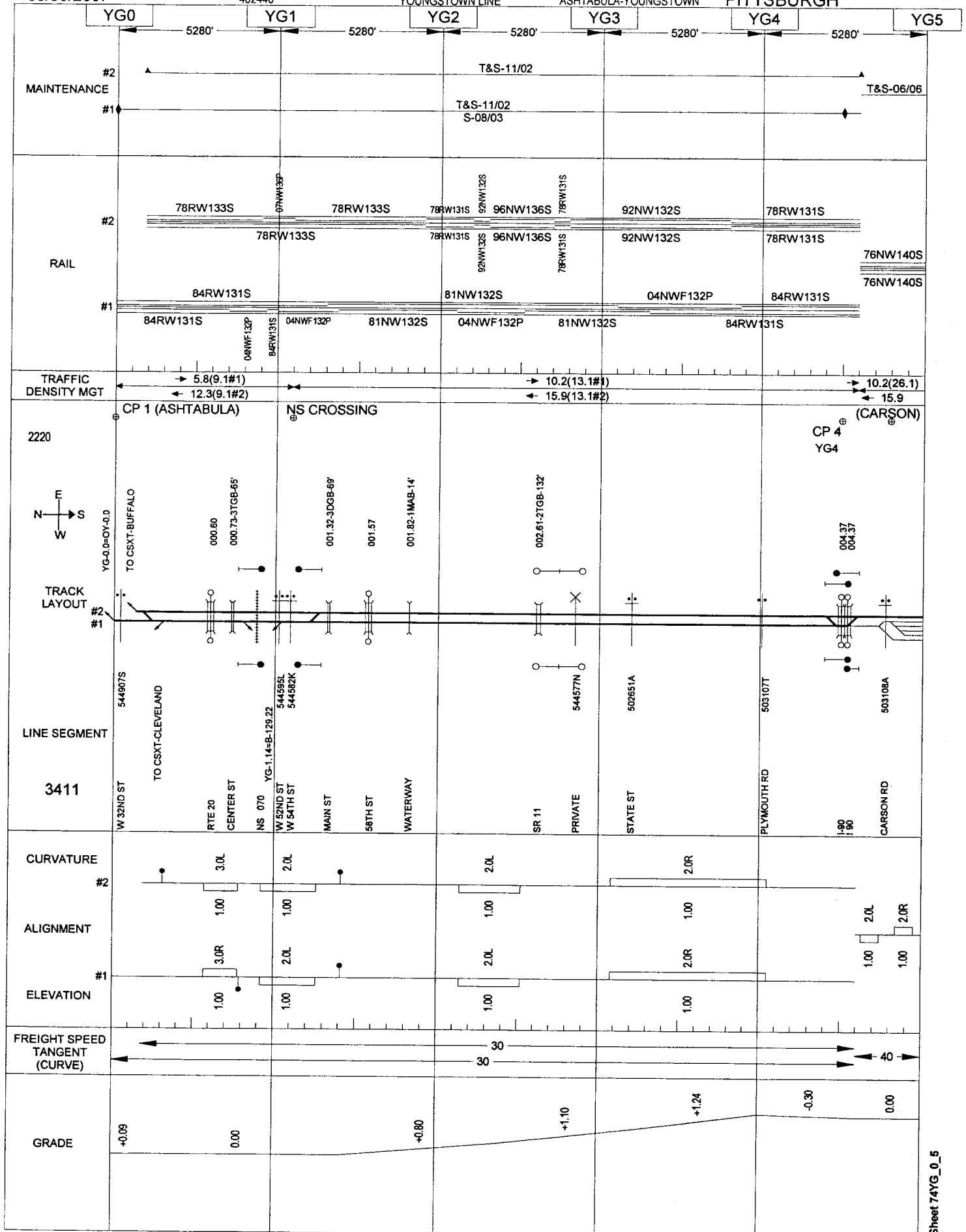
402440

160

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



08/30/2007

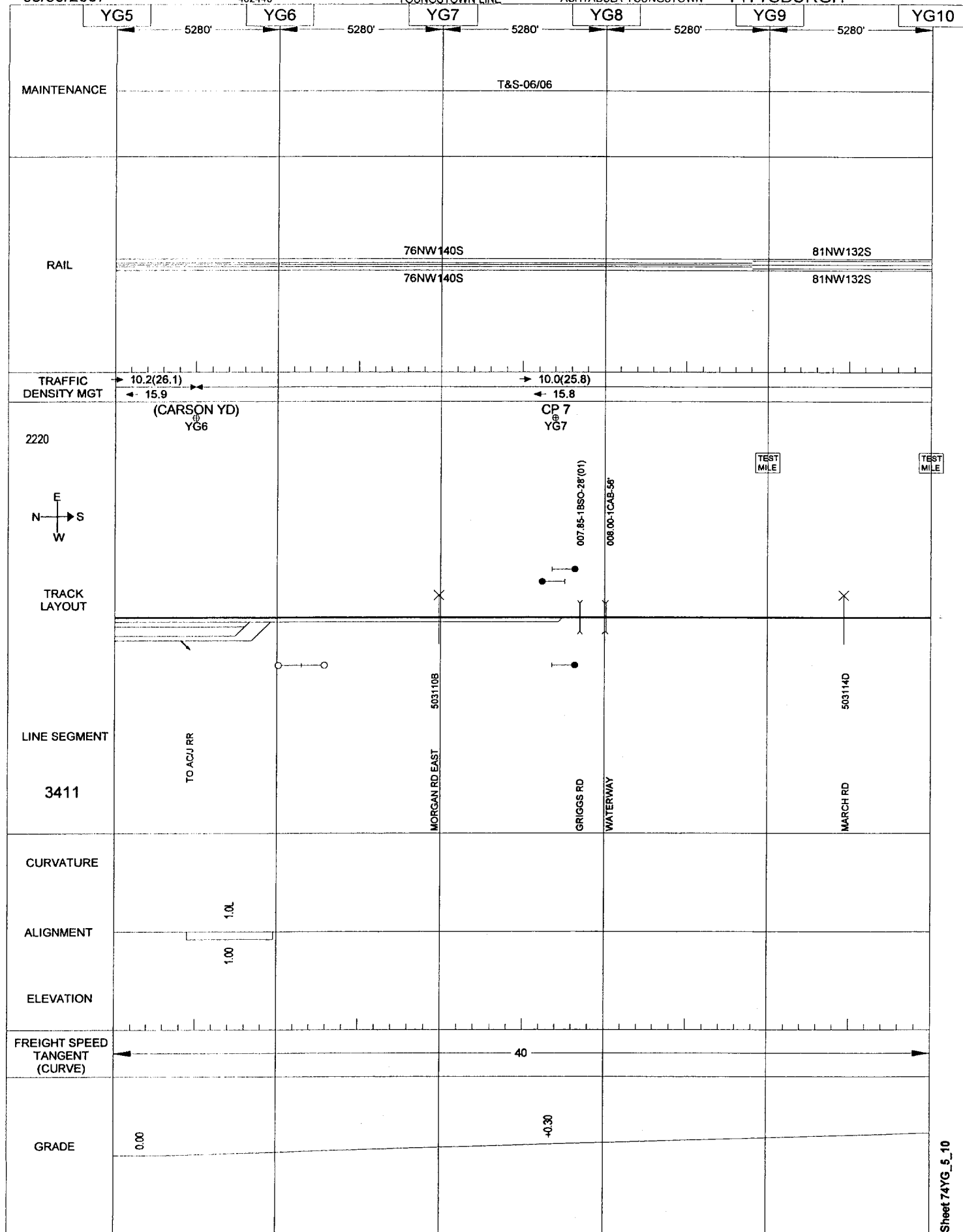
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161

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



08/30/2007

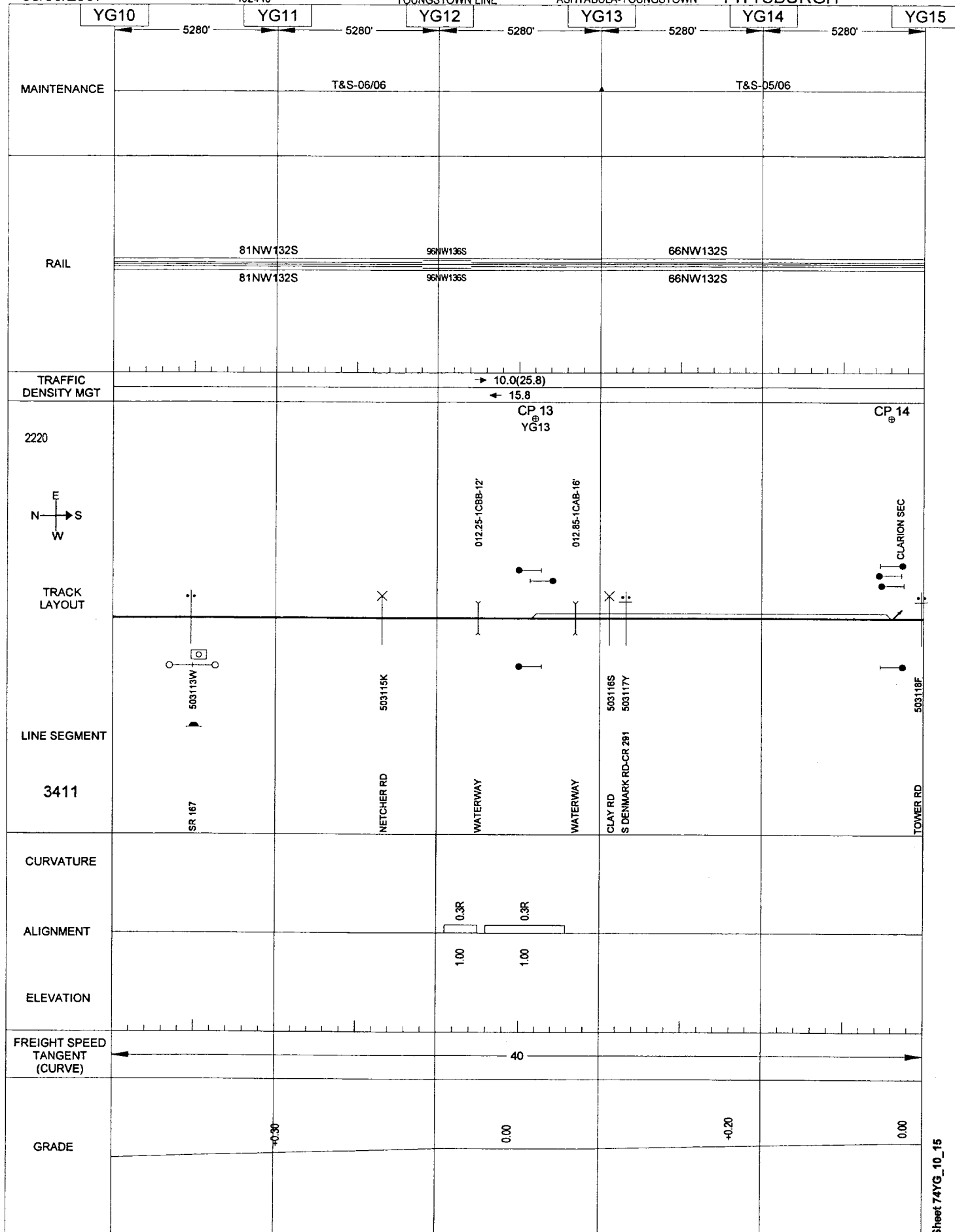
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162

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



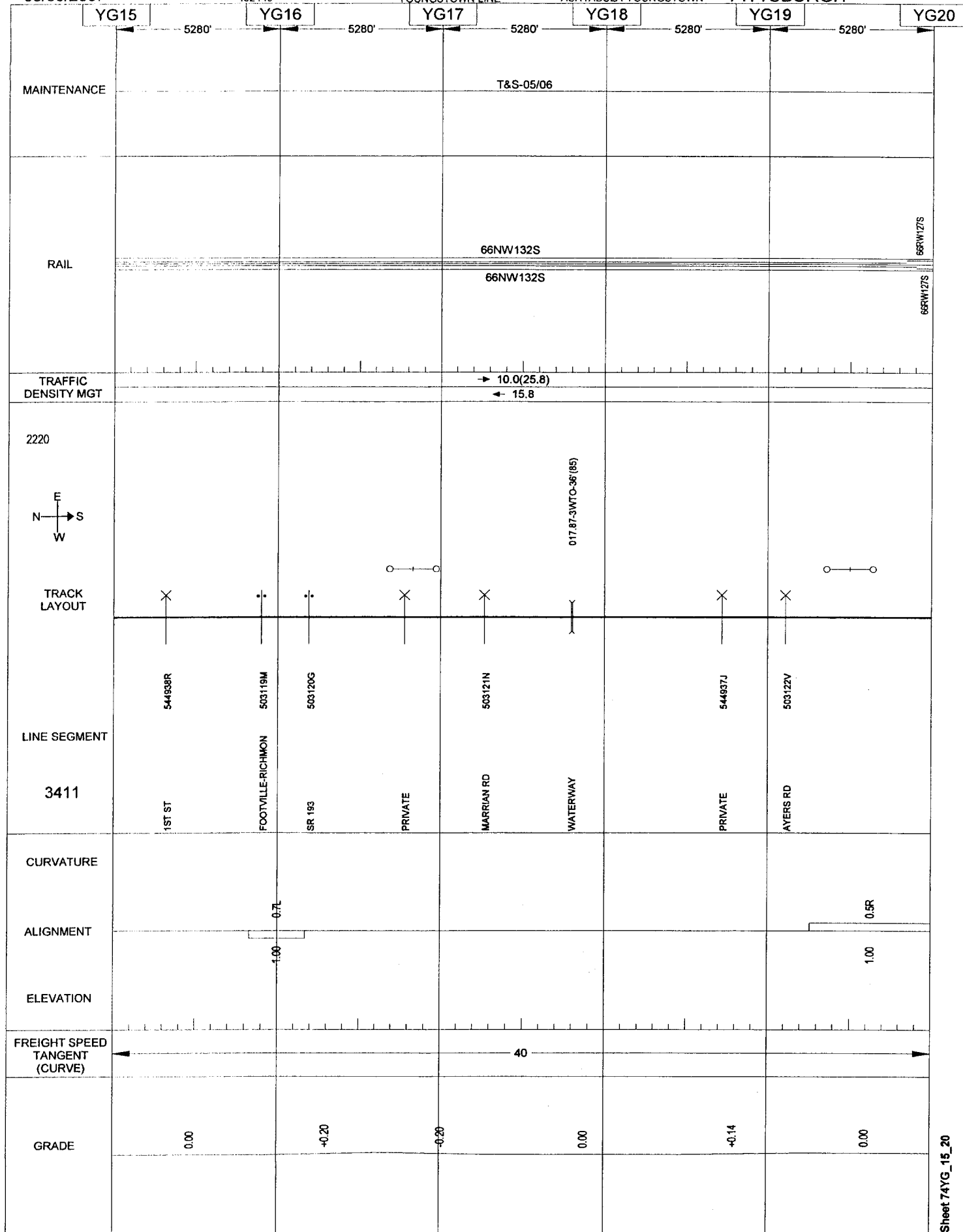
08/30/2007

402440

163
YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



08/30/2007

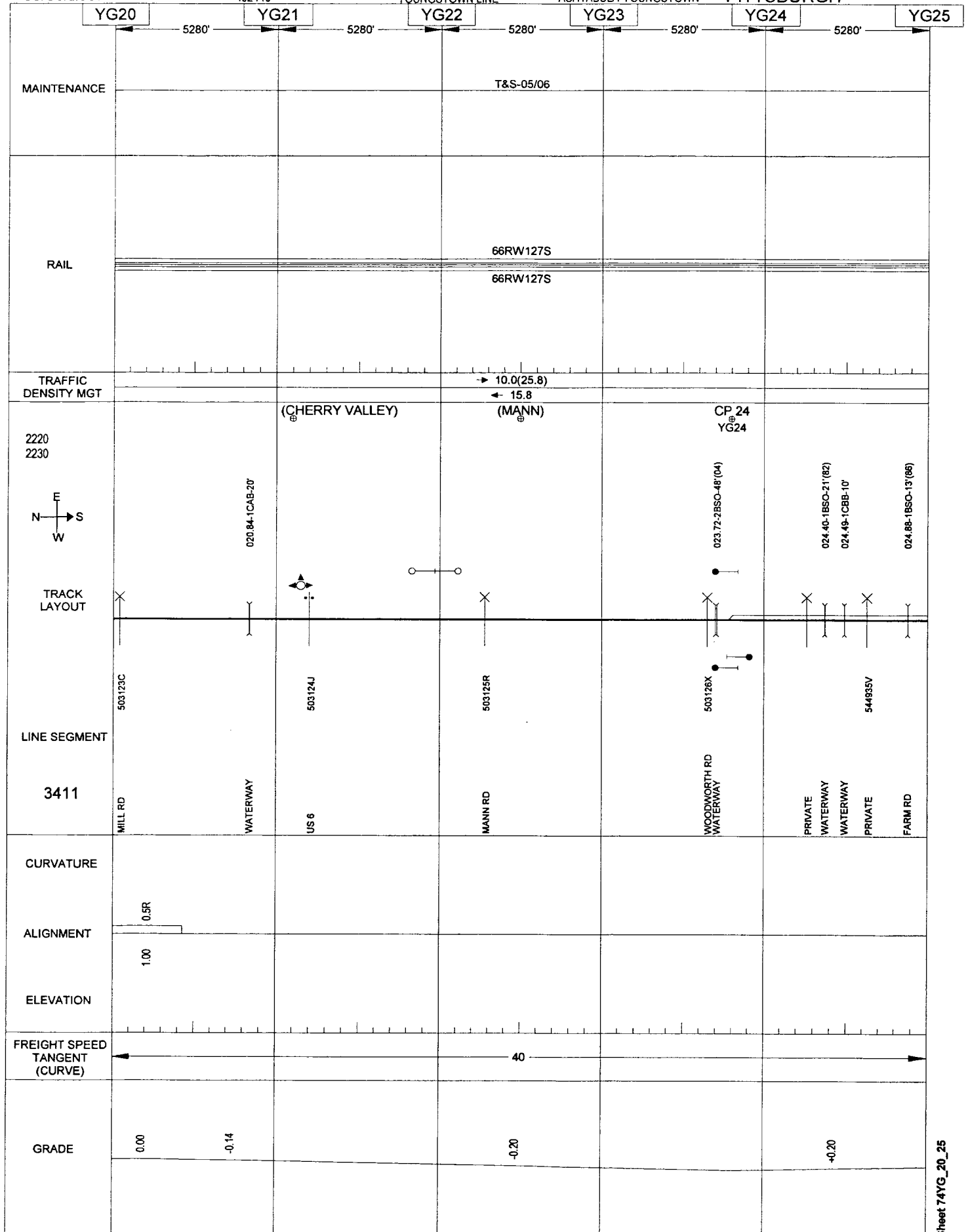
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164

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



08/30/2007

402440

165
YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH

YG25

YG26

YG27

YG28

YG29

YG30

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-05/06

RAIL

66RW127S

66RW127S

TRAFFIC
DENSITY MGT→ 10.0(25.8)
← 15.8

2230



WICK CP 26

TRACK
LAYOUT

025 09-1BSO-22' (85)

025 36-1CBB-12'

025 72-1CAB-12'

026 78-4BSO-133' (00)

027 02-1BSO-20' (92)

027 34-1BSO-17' (85)

028 17-1BSO-15' (88)

028 66-1CBB-10'

029 55-1BSO-20' (86)

LINE SEGMENT

3411

FARM RD
PRIVATE
WATERWAY
PRIVATE544932A
544931T544930L
PRIVATE
WATERWAY
PRIVATE503127E
CASLIA FEED

WATERWAY

WATERWAY

WATERWAY

PRIVATE

UNDERWOOD RD
WATERWAY503128L
PRIVATE544600F
WATERWAY

WATERWAY

544601M
PRIVATE

WATERWAY

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

+0.20

0.00

-0.17

0.00

+0.20

08/30/2007

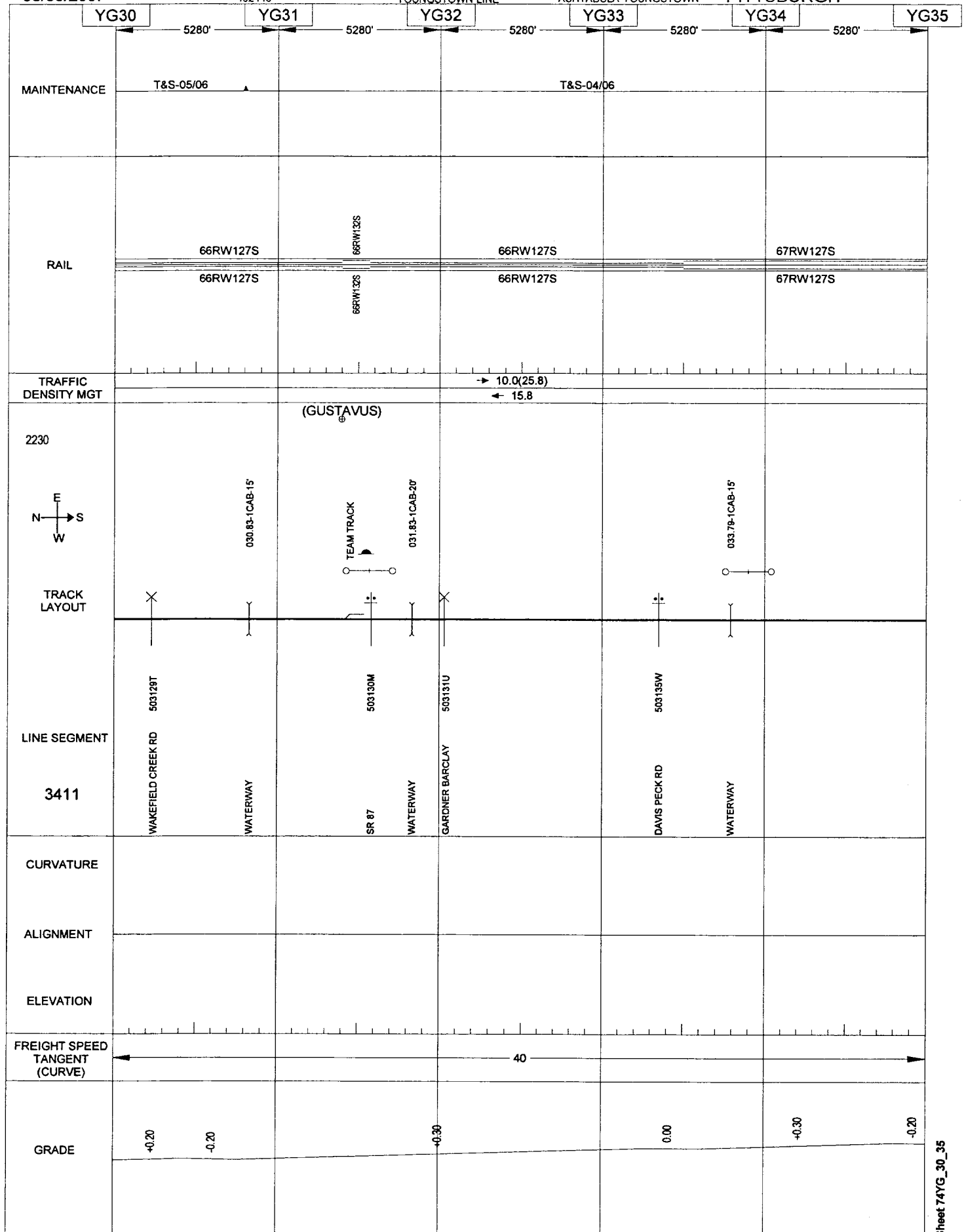
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166

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



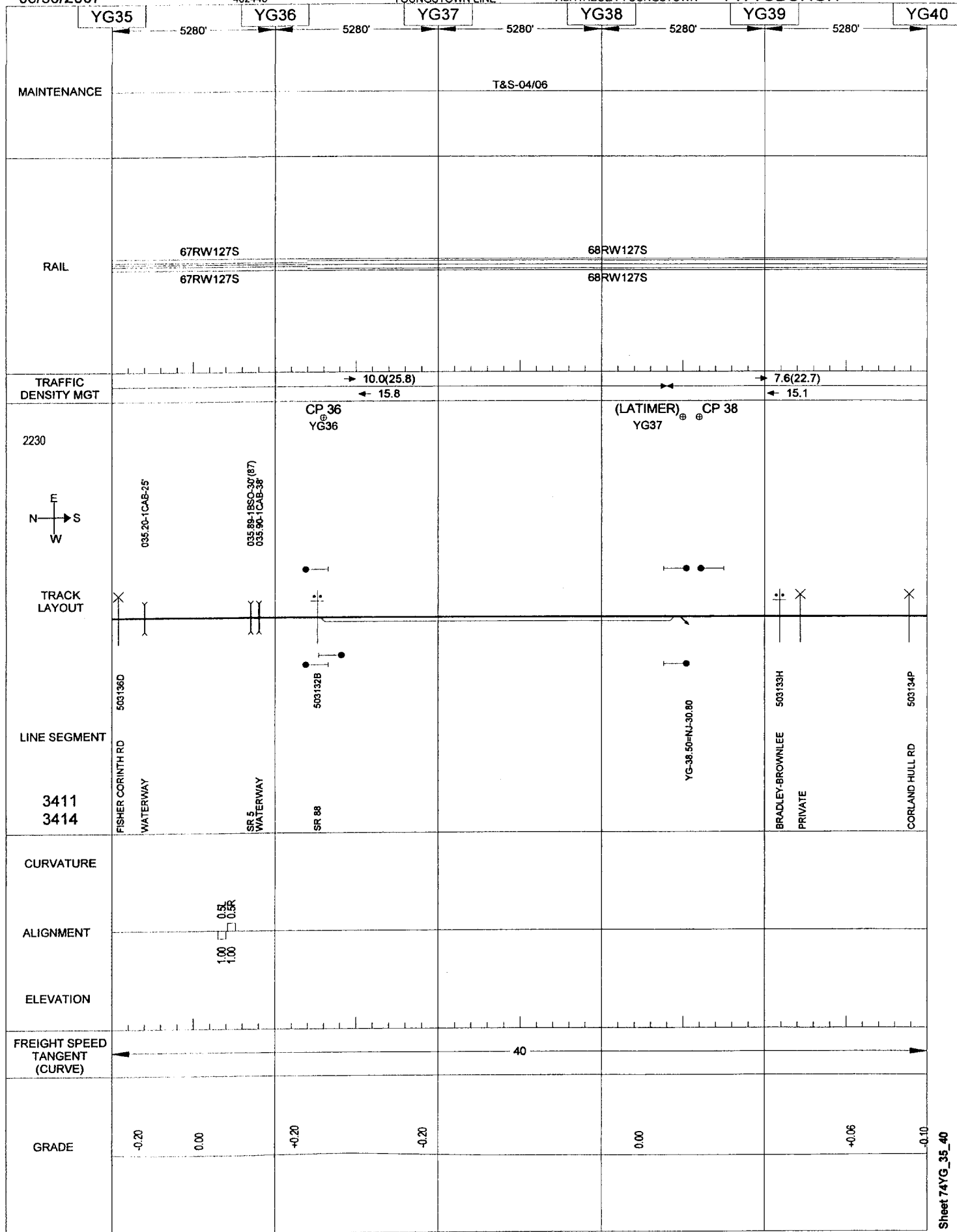
08/30/2007

402440

167
YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



08/30/2007

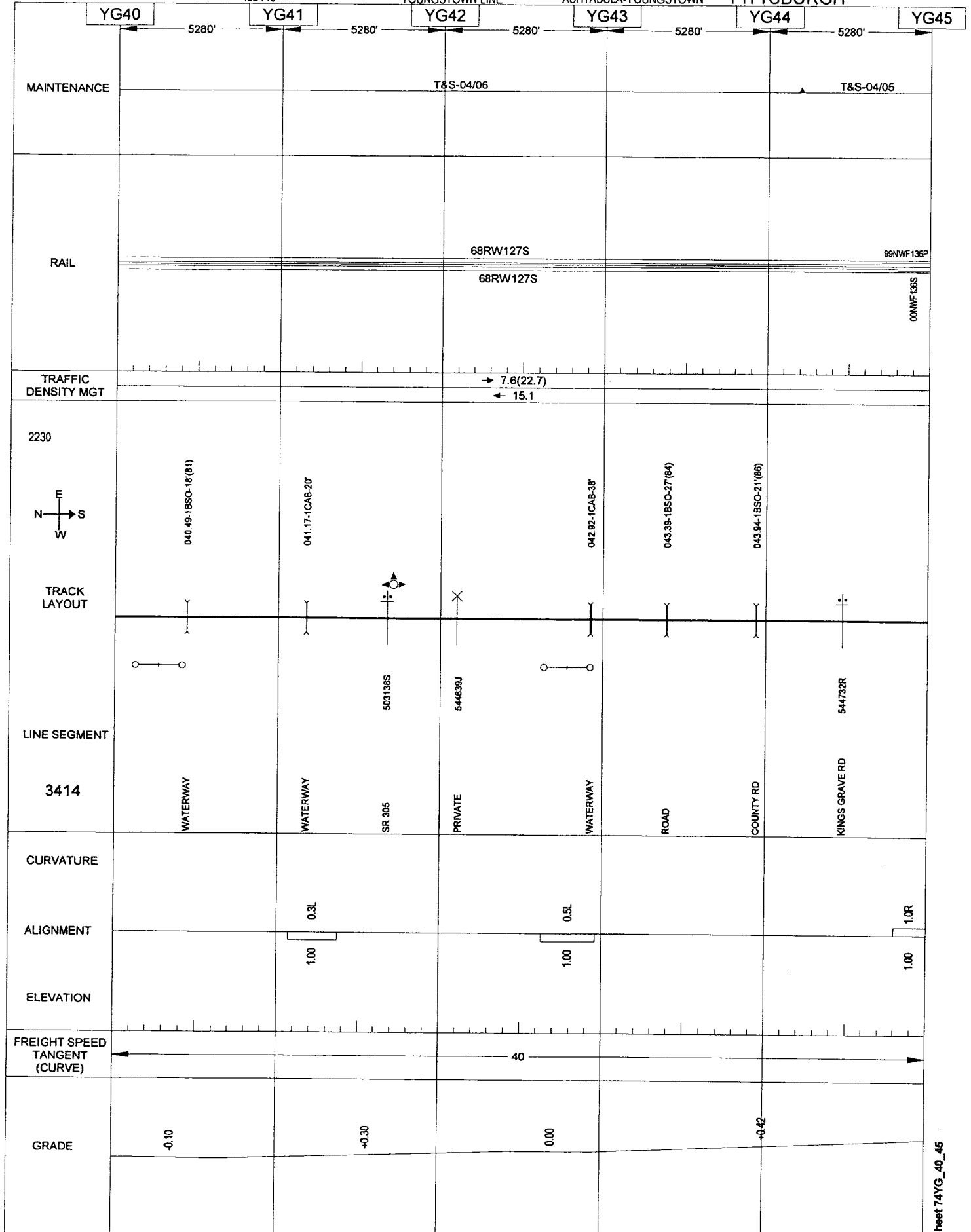
402440

168

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



08/30/2007

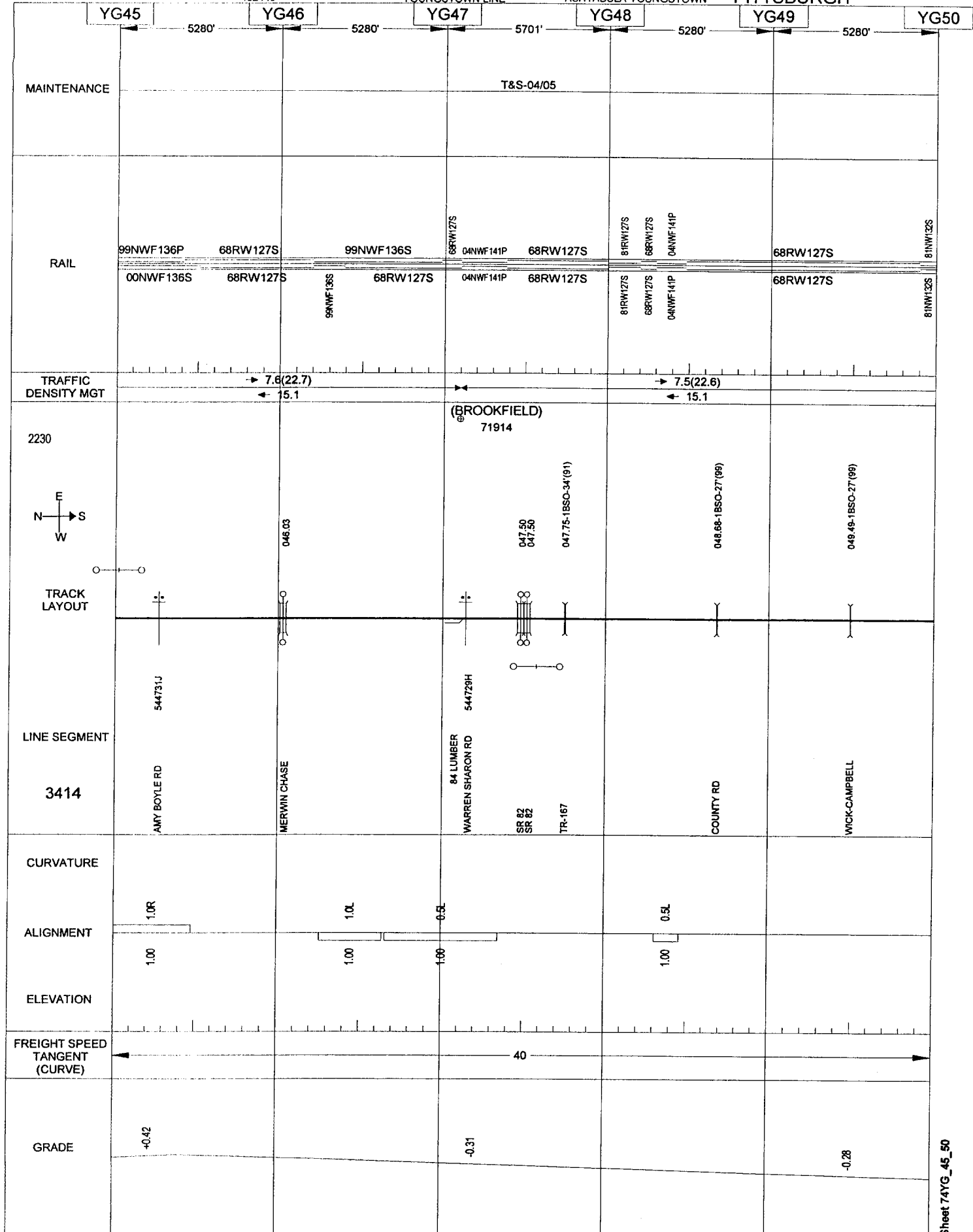
402440

169

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



08/30/2007

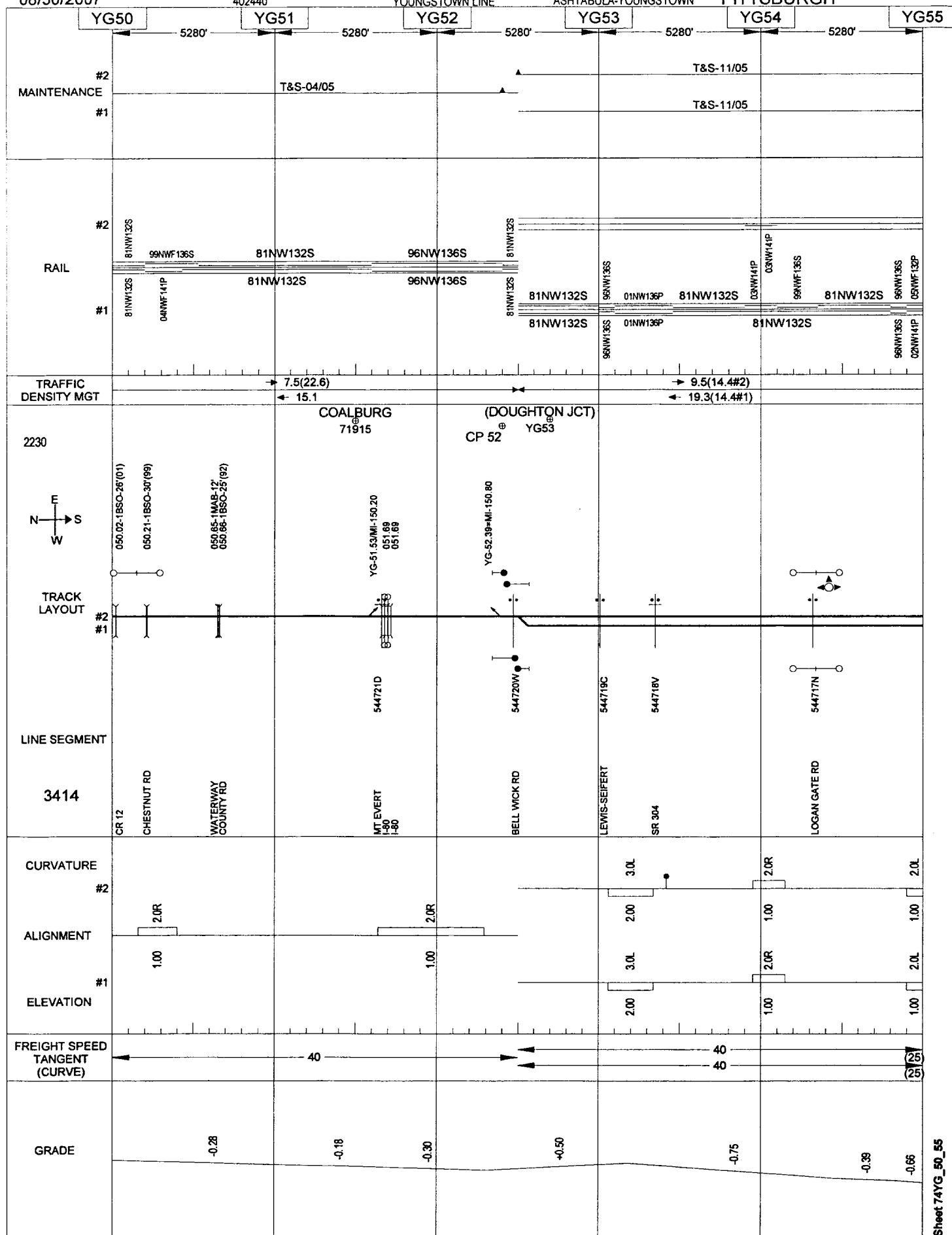
402440

170

YOUNGSTOWN LINE

ASHTABULA-YOUNGSTOWN

PITTSBURGH



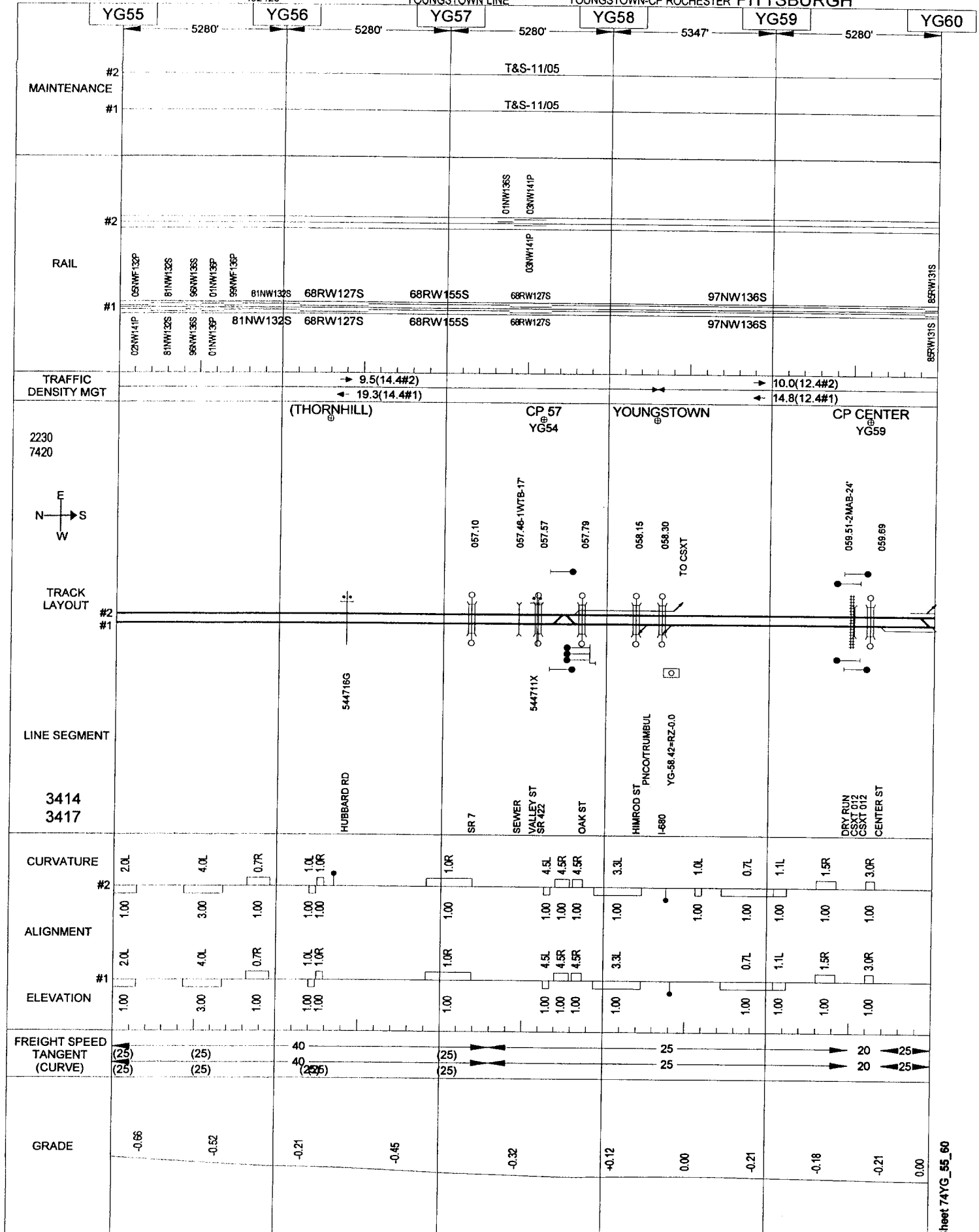
08/30/2007

402423

171

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



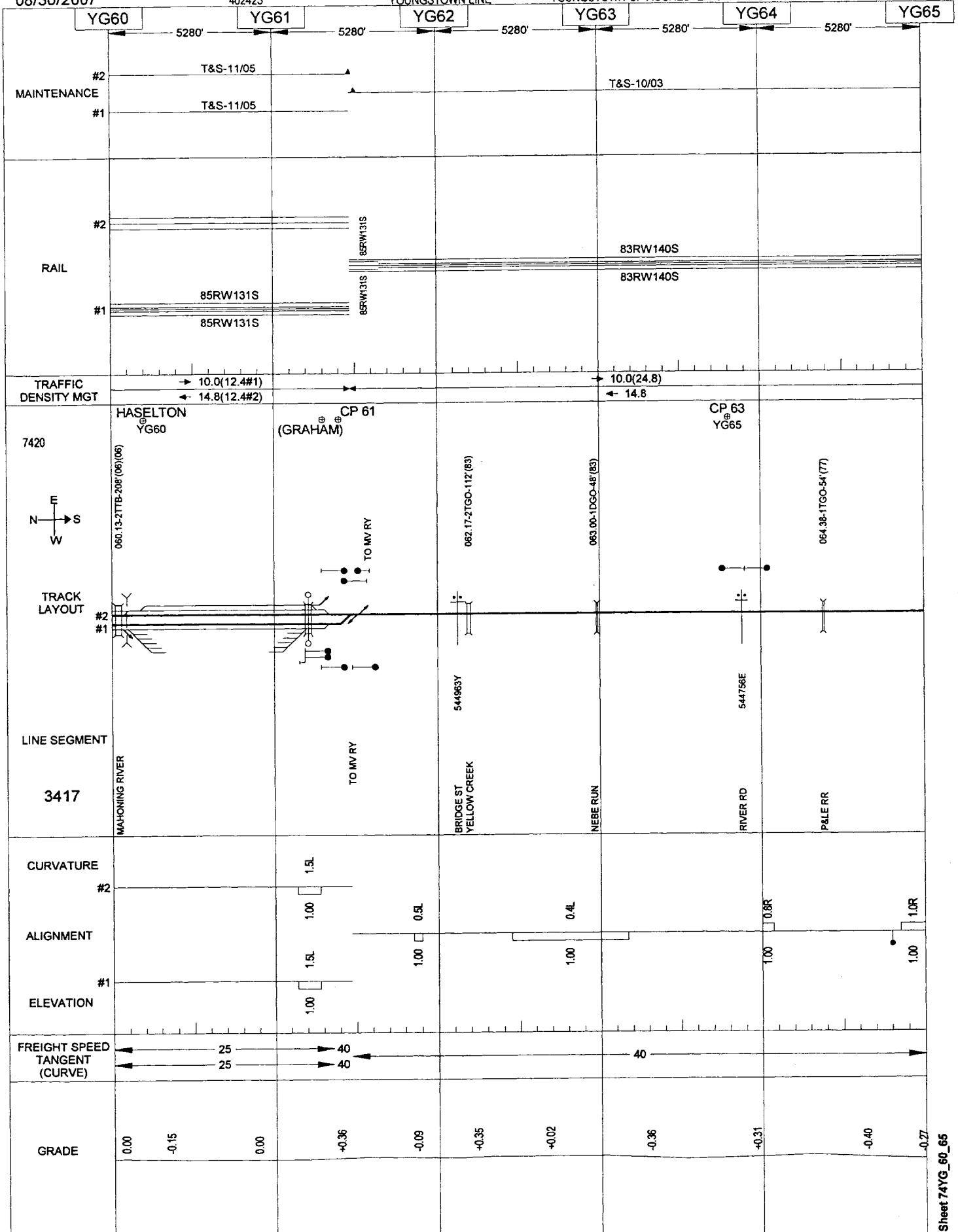
08/30/2007

402423

172

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



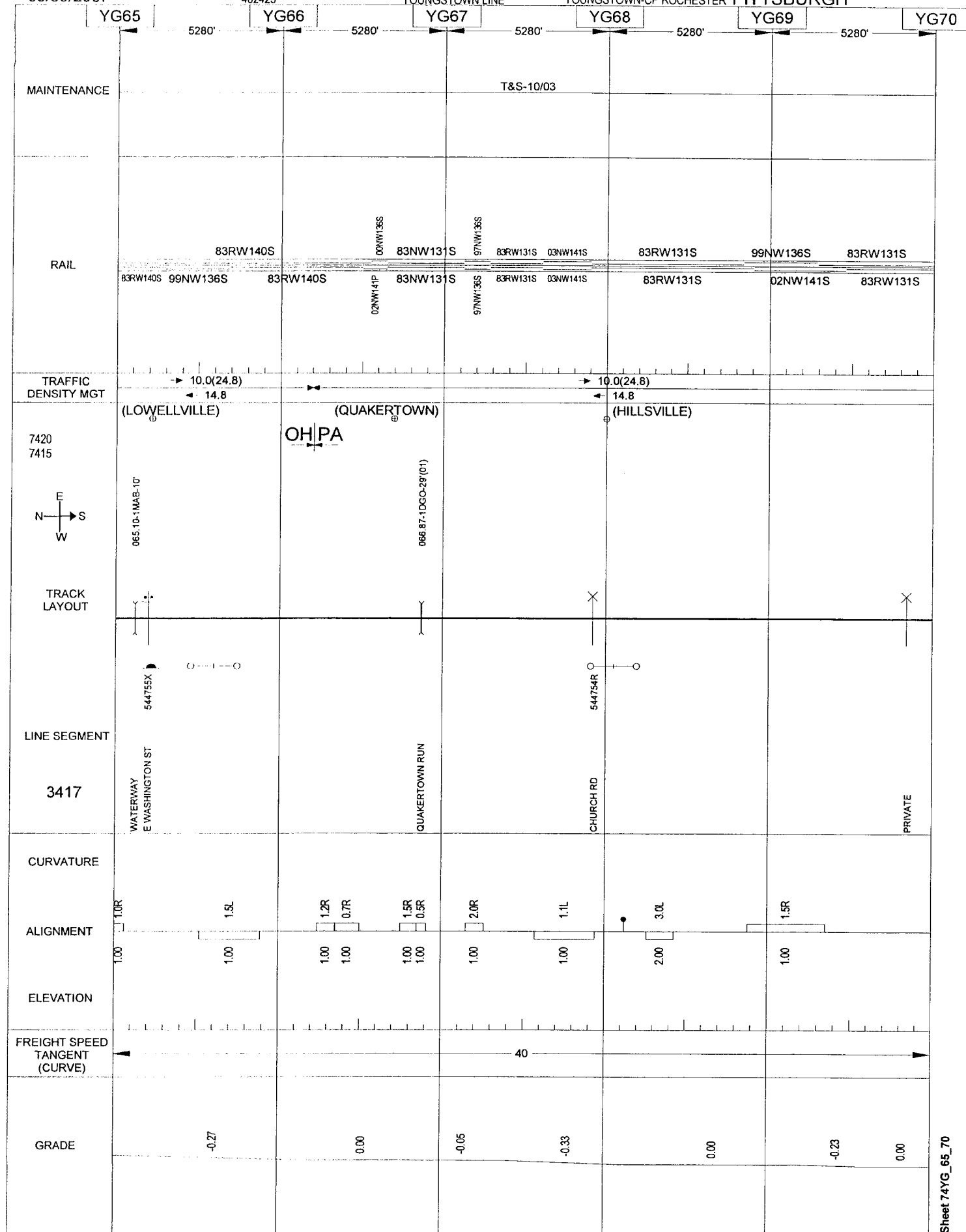
08/30/2007

402423

173

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



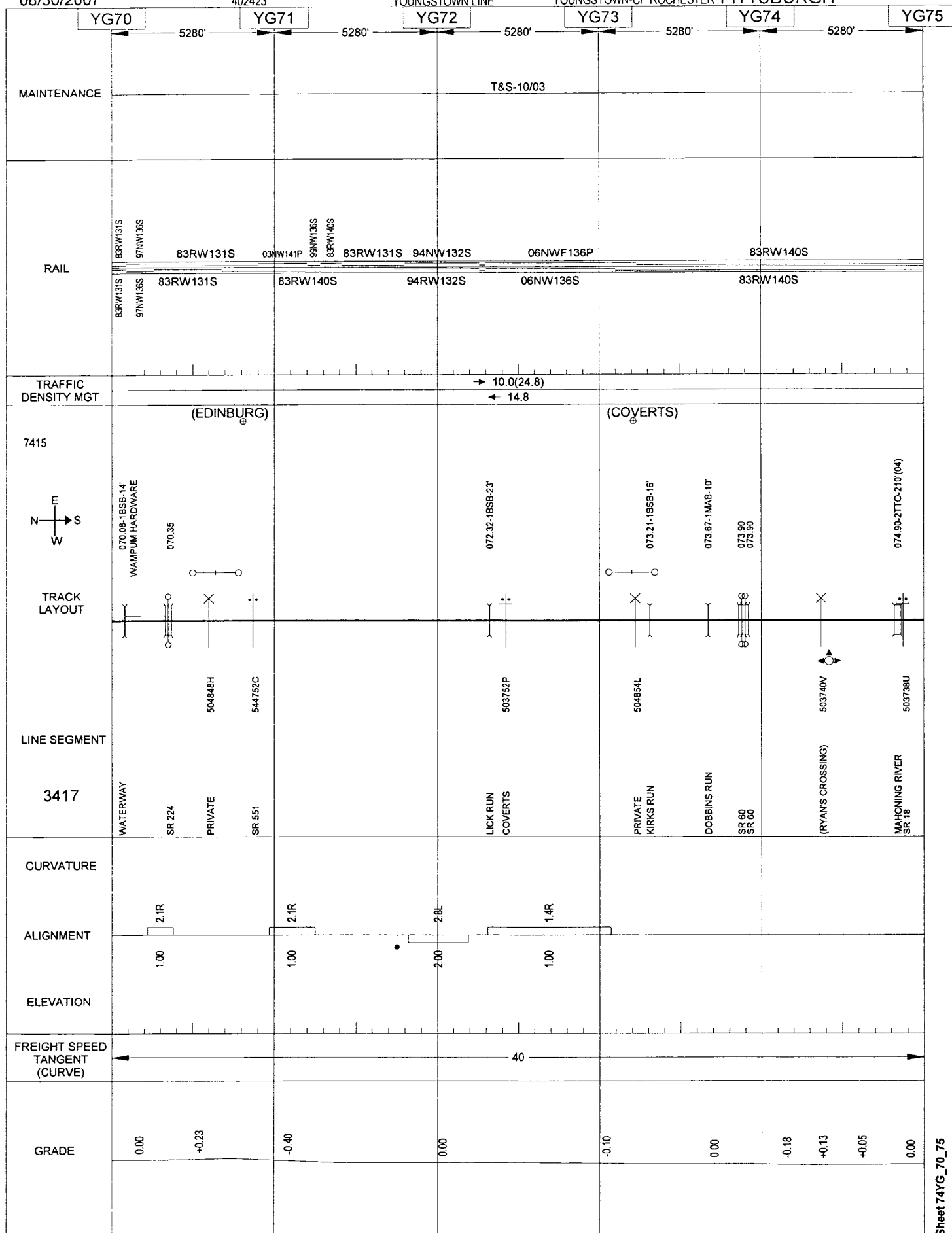
08/30/2007

402423

174

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH

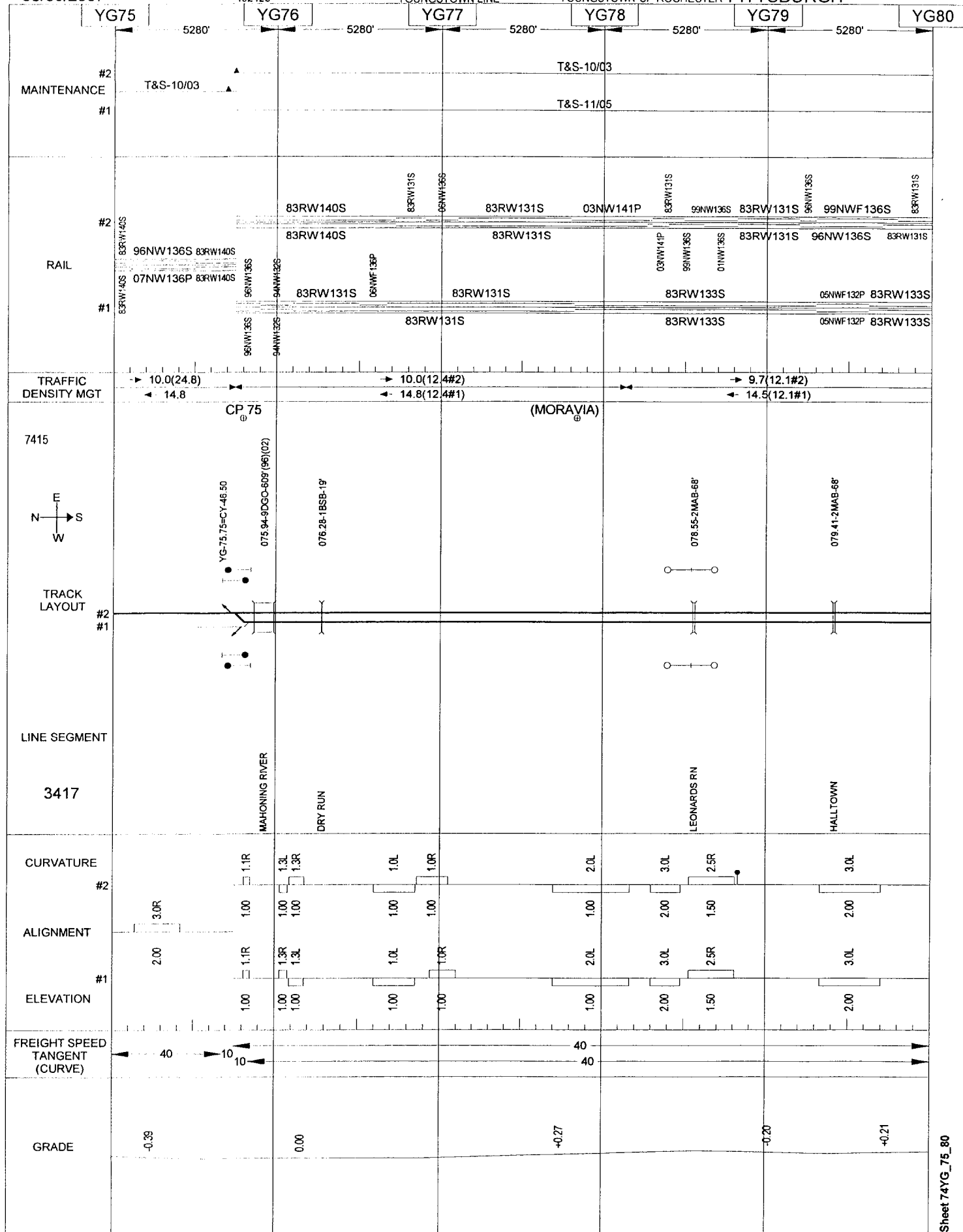


08/30/2007

402423

175
YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



08/30/2007

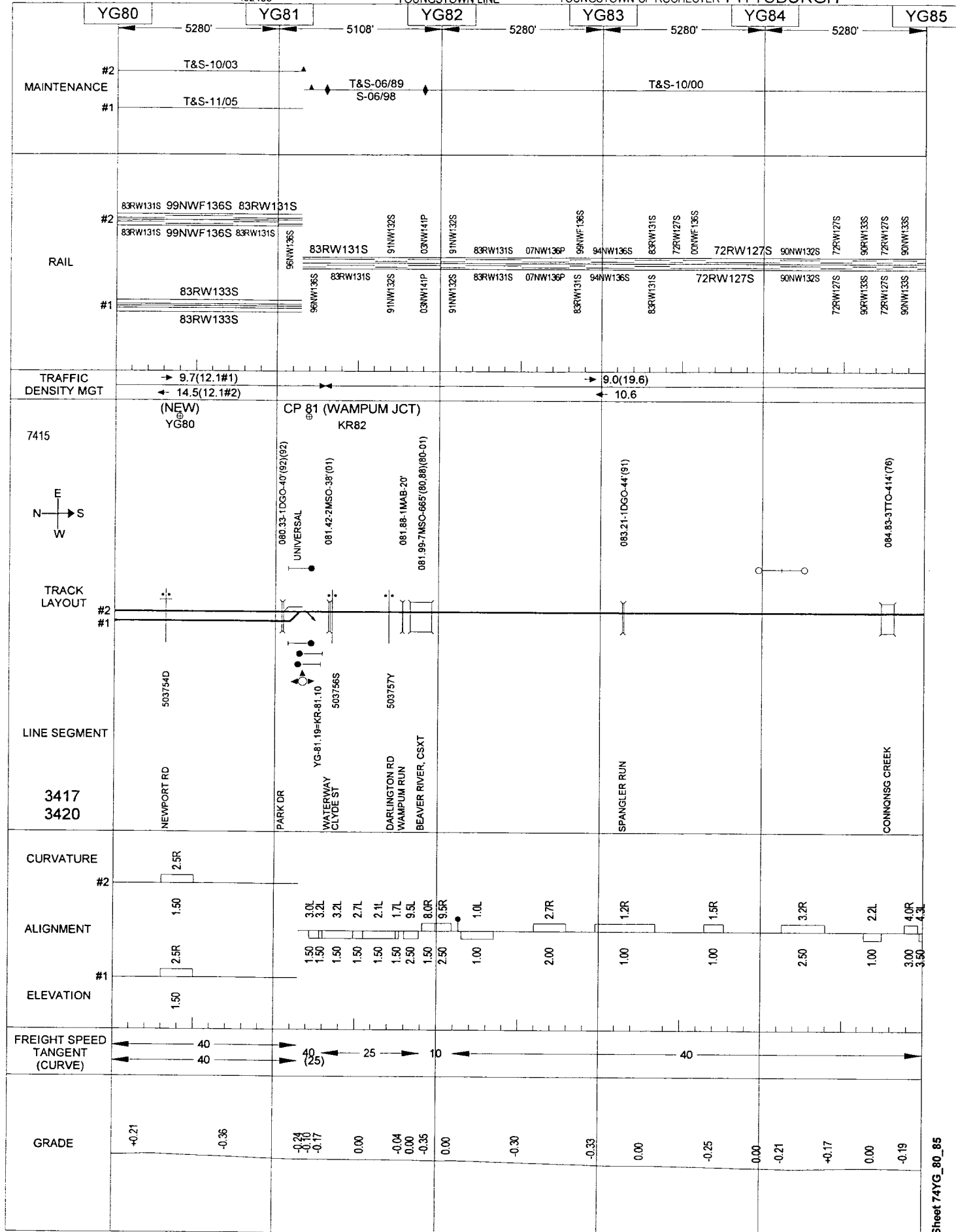
402433

176

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER

PITTSBURGH



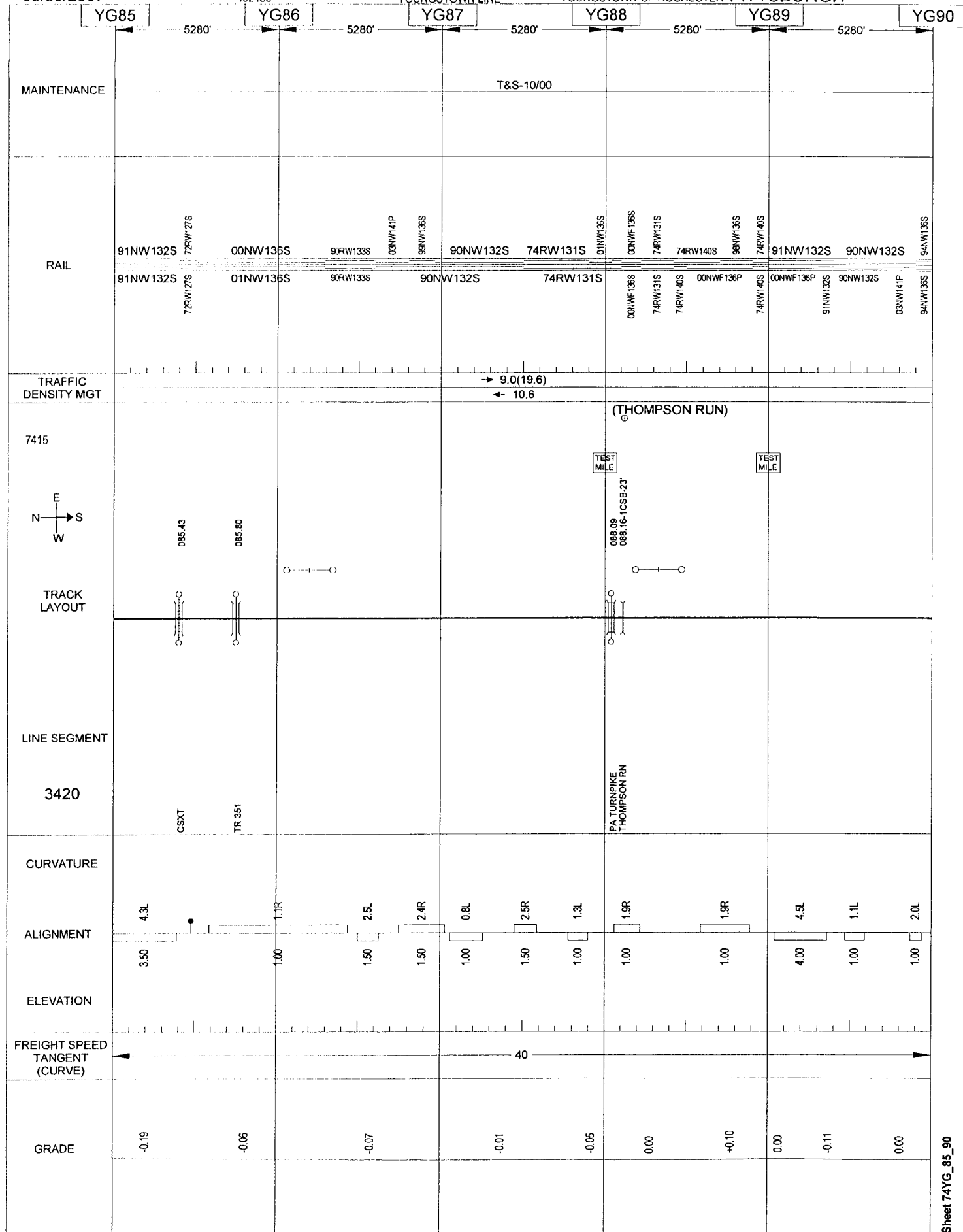
08/30/2007

402433

177

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH



08/30/2007

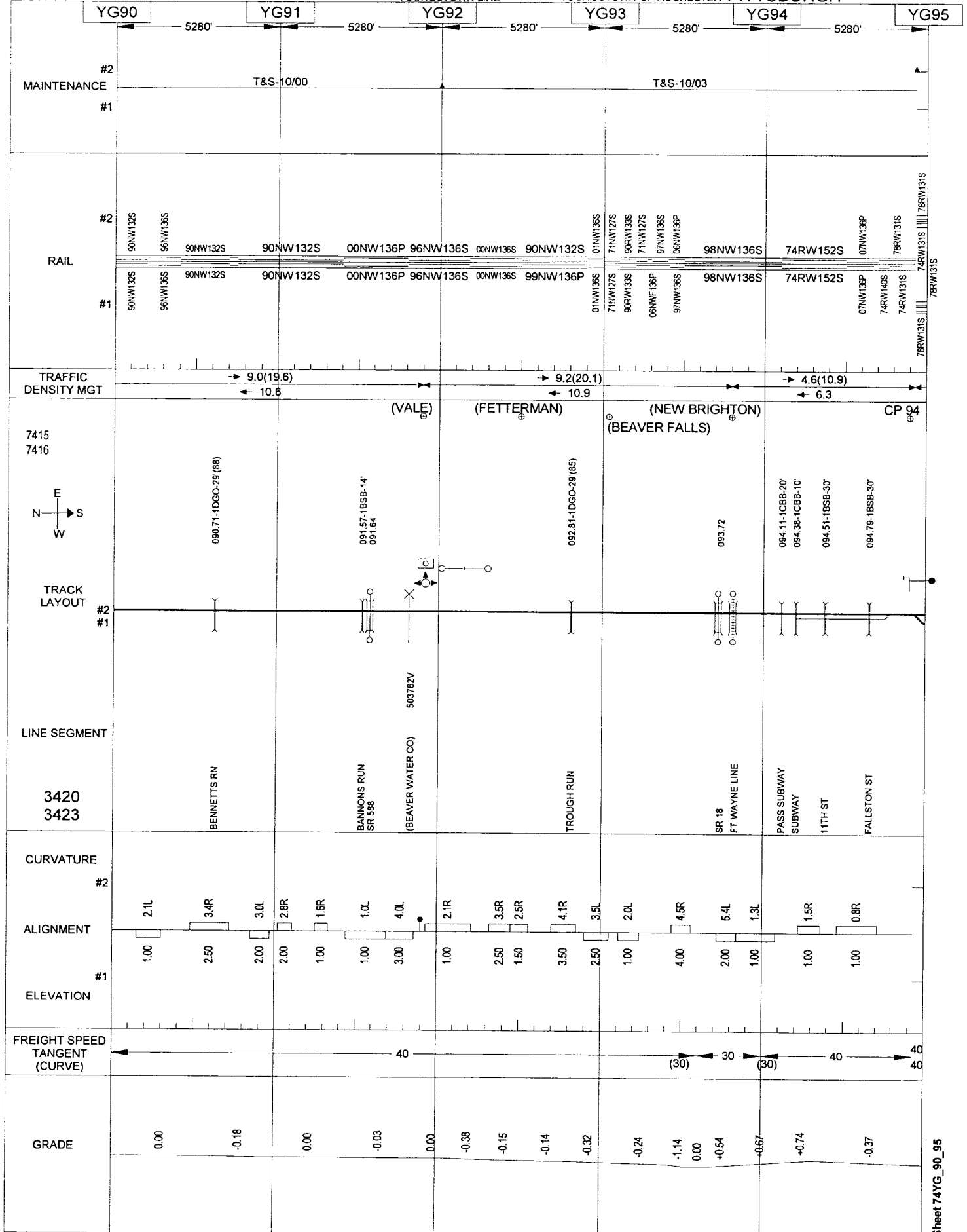
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178

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER

PITTSBURGH

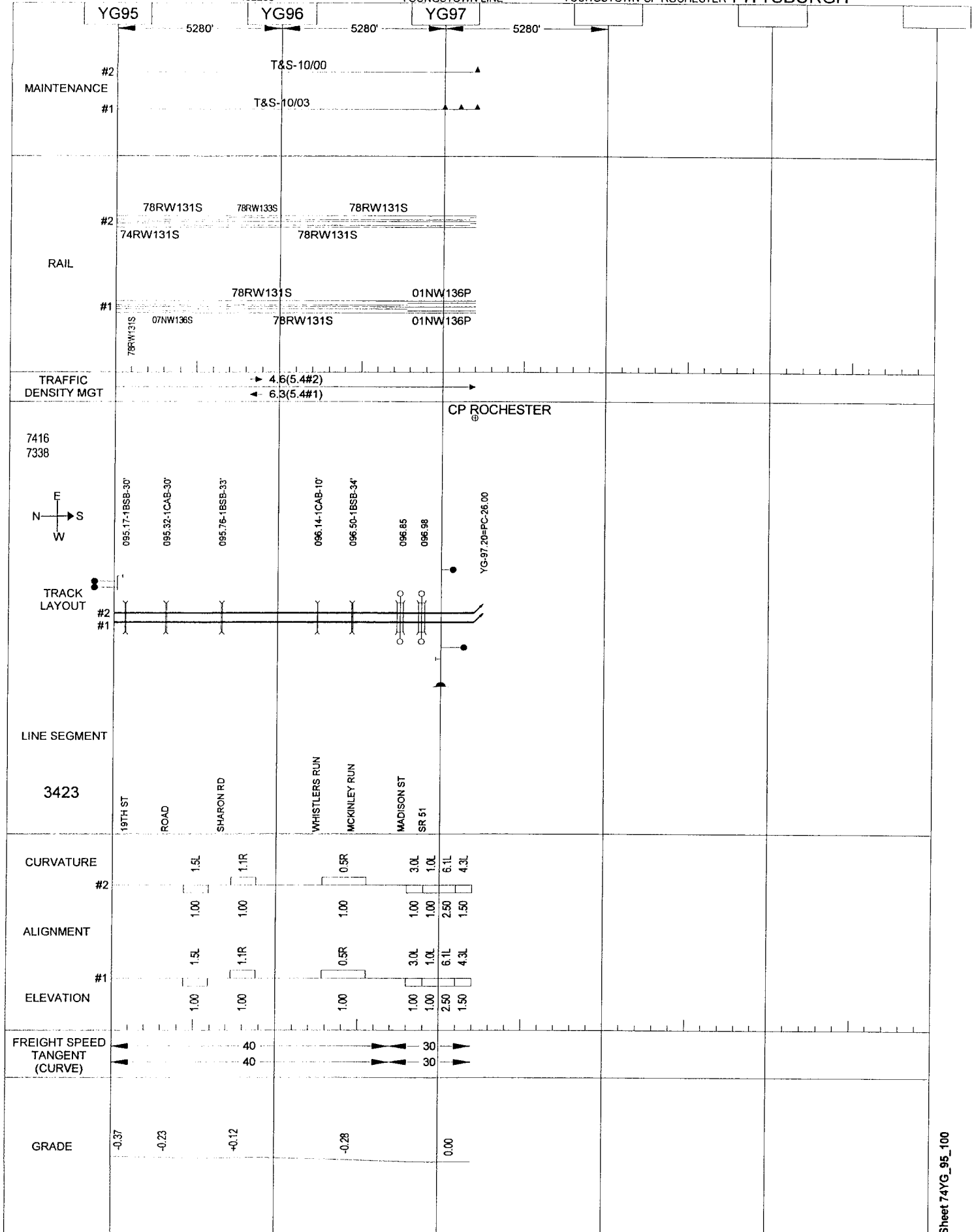


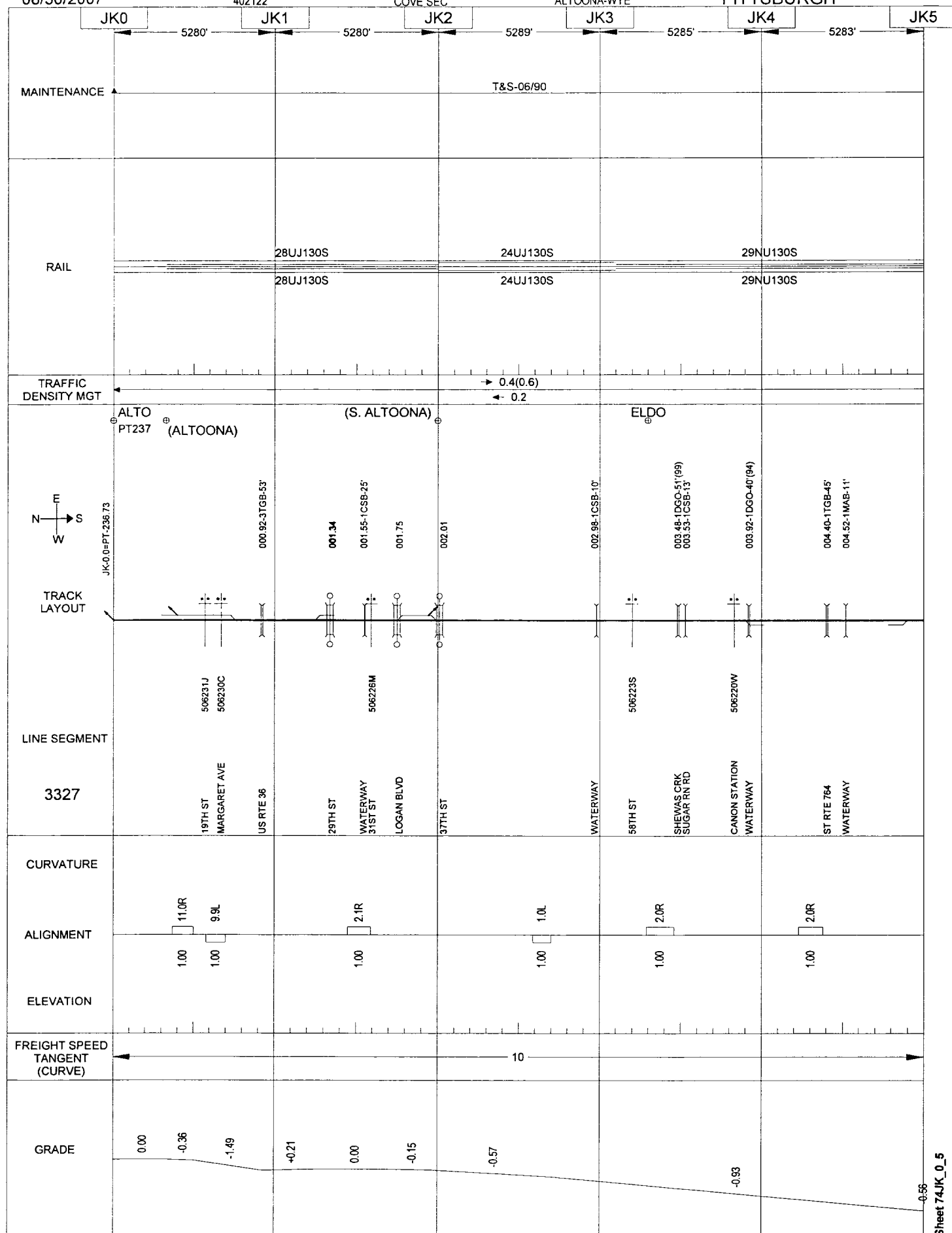
08/30/2007

179

YOUNGSTOWN LINE

YOUNGSTOWN-CP ROCHESTER PITTSBURGH





08/30/2007

402122

181
COVER T. / RAE I.T.

WYE-HOLLIDAYSBURG

PITTSBURGH

JK5

JK6

JK7

JK8

5279'

5283'

4401'

5280'

MAINTENANCE

T&S-06/90

RAIL

24NU125S

41NU130S

45UJ130S

26NJ125S

24NU125S

41NU130S

45UJ130S

26NJ125S

TRAFFIC
DENSITY MGT

→ 0.4(0.6)

← 0.2

WYE

(HOLLIDAYSBURG)

72125

TRACK
LAYOUT

005 21-1WAB-12'

005 50

005 93-2DGB-32'

006 10-2DGB-70'

007 84-2DGO-100' (89)

JK 8.00-RN-32.00

LINE SEGMENT

3327

WATERWAY

SR 22

SPRING MEADOW

STARR CRK

JUNIATA RV

WILL PENN HWY-SR 22

JK-5.15-YZ-33.80

3RD ST-T 409

506218V

506216G

506247F

JACKSON ST

NEWRY ST

JUNIATA RIVER

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

-0.56

0.00

-0.84

-0.46

-0.72

0.00

08/30/2007

402122

182

RAE I.T.

HOLLIDAYSBURG YARD

PITTSBURGH

RN28

RN29

RN30

5285'

5251'

MAINTENANCE

T&S-06/46

RAIL

46UJ130S

29NU125S

46UJ130S

29NU125S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)

→ 0.2(0.6)

← 0.0

← 0.4

7013

TRACK
LAYOUTFRANK
⊕(FRANKSTOWN)
RN30

028.77-1CSB-30'

029.27-1DGO-29'(87)

506252C

528930V
506251V

LINE SEGMENT

3324

WHITE

TURKEY RUN

ROARING RUN

LOOP ROAD
CAR SHOP RD

CURVATURE

ALIGNMENT

ELEVATION

2.0L

3.5R

6.0L

1.00

1.00

1.00

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+0.11

+0.20

+0.30

+0.10

0.00

+0.25

08/30/2007

402122

RAE I.T.

183

HOLLIDAYSBURG YARD

PITTSBURGH

RN30

RN31

RN32

4802'

5298'

MAINTENANCE

T&S-06/46

RAIL

41UJ130S

45NJ130S

50NJ130S

41UJ130S

45NJ130S

50NJ130S

TRAFFIC
DENSITY MGT→ 0.2(0.6)
← 0.4

7013

TRACK
LAYOUT

030.76-1MAB-17

031.72

RN-32.00=JK-8.00

506250N

LINE SEGMENT

3324

BRUSH RUN

RT 36
SH 22

CURVATURE

ALIGNMENT

1.00
4.0R1.00
1.5R1.00
1.5L1.00
3.0R1.00
3.0R

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+0.25

0.00

+0.50

+0.20

0.00

08/30/2007

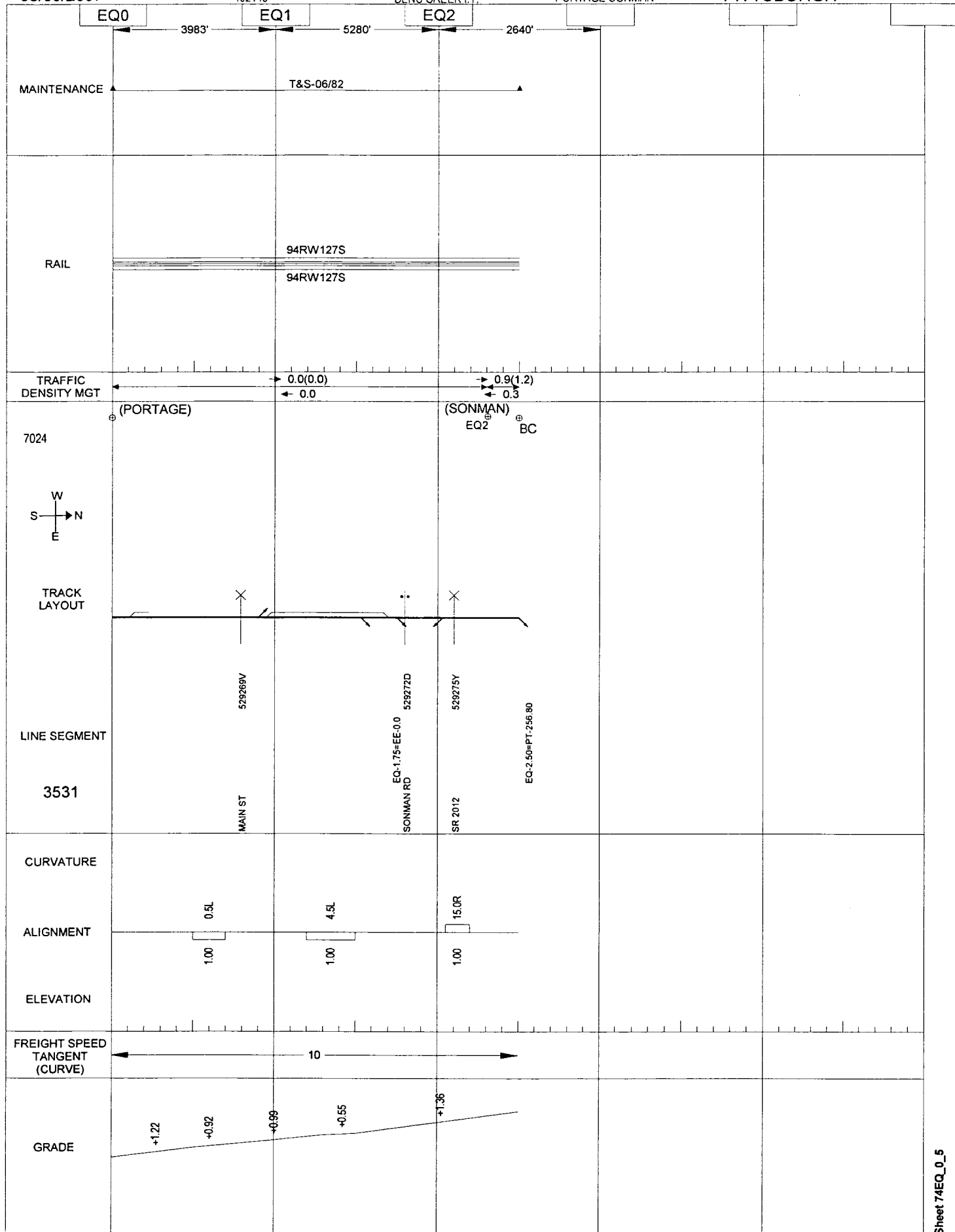
402149

184

BENS CREEK I.T.

PORTAGE-SONMAN

PITTSBURGH



08/30/2007

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

(COONEY BROS MINE)
EE1

7024



TRACK
LAYOUT



EE-0.0=EQ-1.75

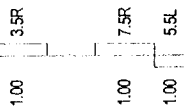
LINE SEGMENT

3522

COAL TIPPLE

CURVATURE

ALIGNMENT

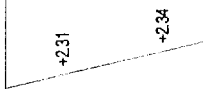


ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE



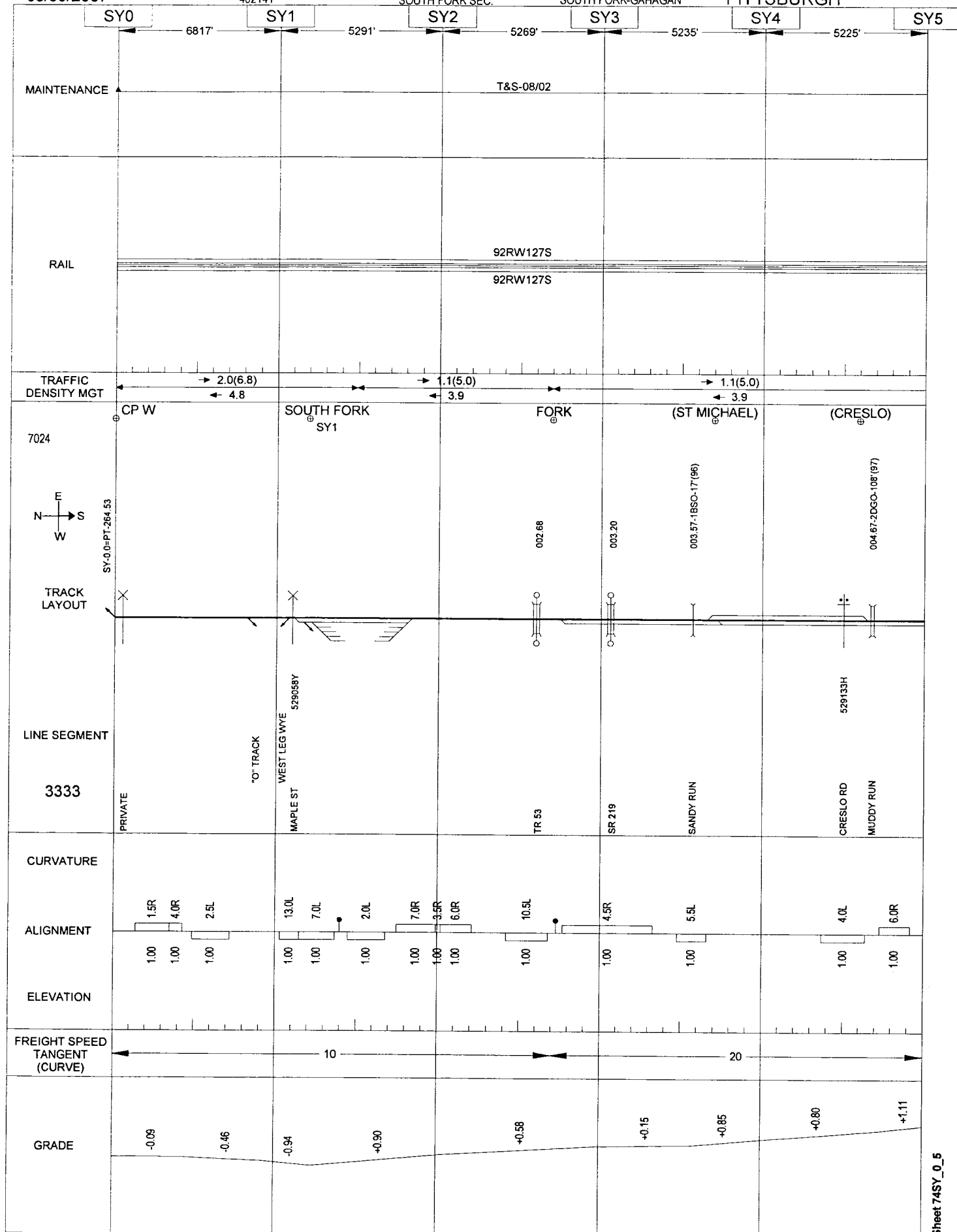
08/30/2007

402141

186
SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



08/30/2007

402141

187

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH

SY5

SY6

SY7

SY8

SY9

SY10

5292'

5278'

5279'

5263'

5384'

MAINTENANCE

T&S-08/02

RAIL

92RW127S

92RW127S

92RW127S

04RWF123S

TRAFFIC
DENSITY MGT→ 1.1(5.0)
← 3.9

LV (LOVETT, PA)

SUMMIT

7024



005.35-1TGO-64' (95)

006.07-1DGO-54' (95)

008.79-1TGO-40' (95)

009.41

TRACK
LAYOUT

LINE SEGMENT

529132B
BEAVER RUN
SR 869, 160529035S
YANZETICH SAW MILL529080L
YELLOW RUN529080L
RHODES529077D
BEDFORD PK529077D
PLSTINE RD
WINDBER C.C.

3333

CURVATURE

ALIGNMENT

6.0R
1.004.0L
1.006.0R
1.006.0R
1.006.0L
1.006.0R
1.006.0L
1.005.3R
1.007.0L
1.003.0R
1.001.5R
1.003.5L
1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

20

GRADE

+1.11

+2.53

+2.17

+2.64

+2.41

+2.98

+1.26

-1.25

08/30/2007

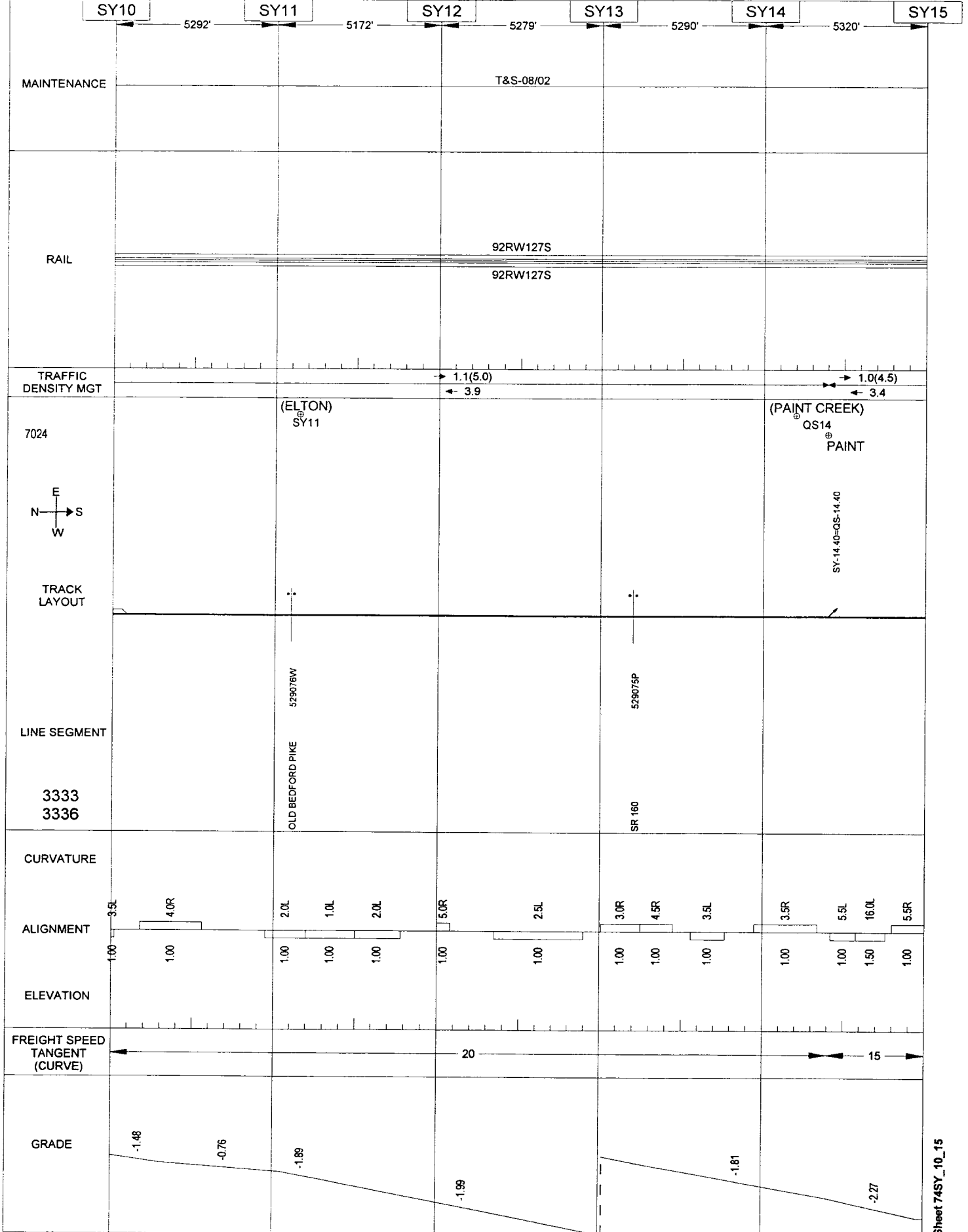
402142

188

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



08/30/2007

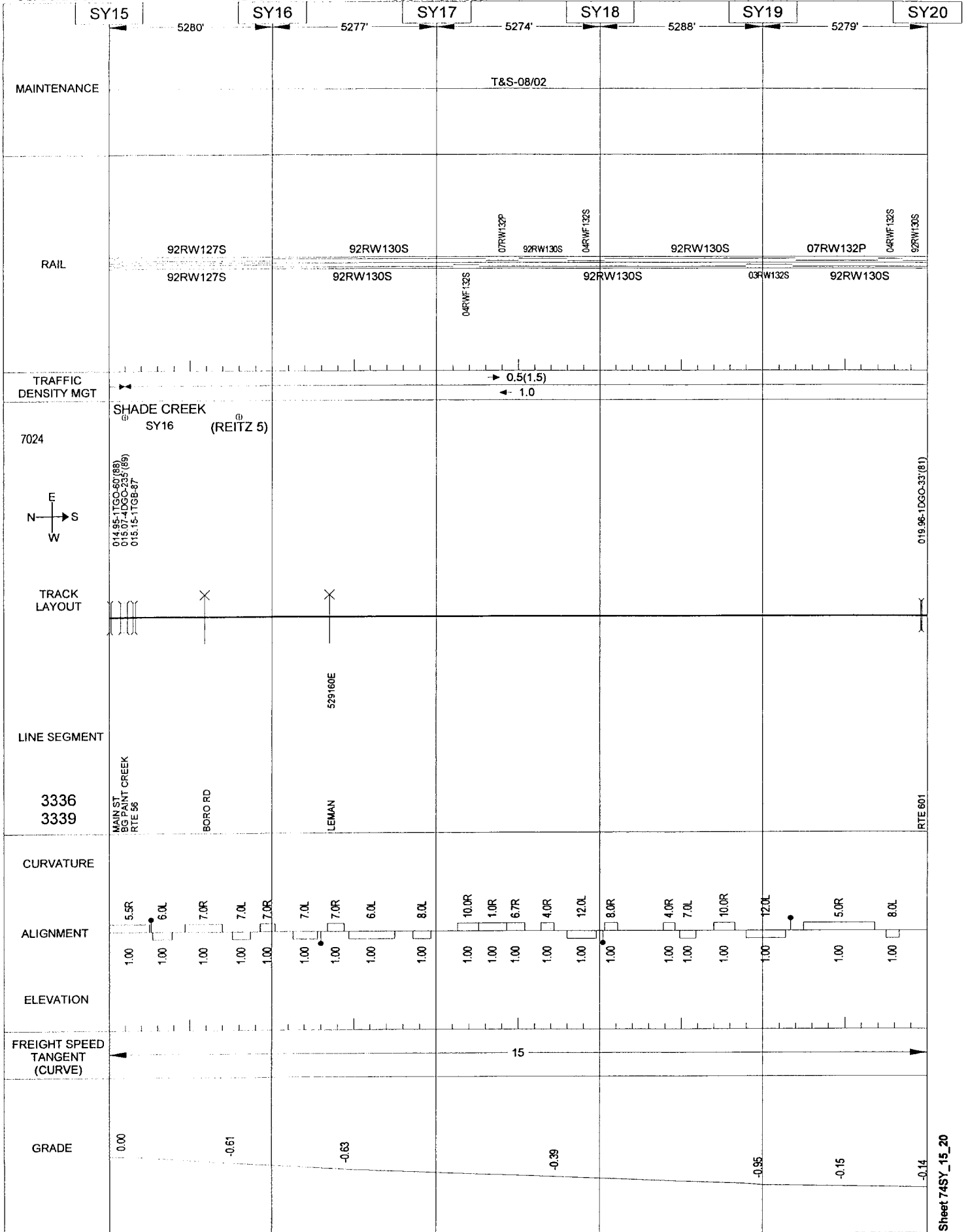
402143

189

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



08/30/2007

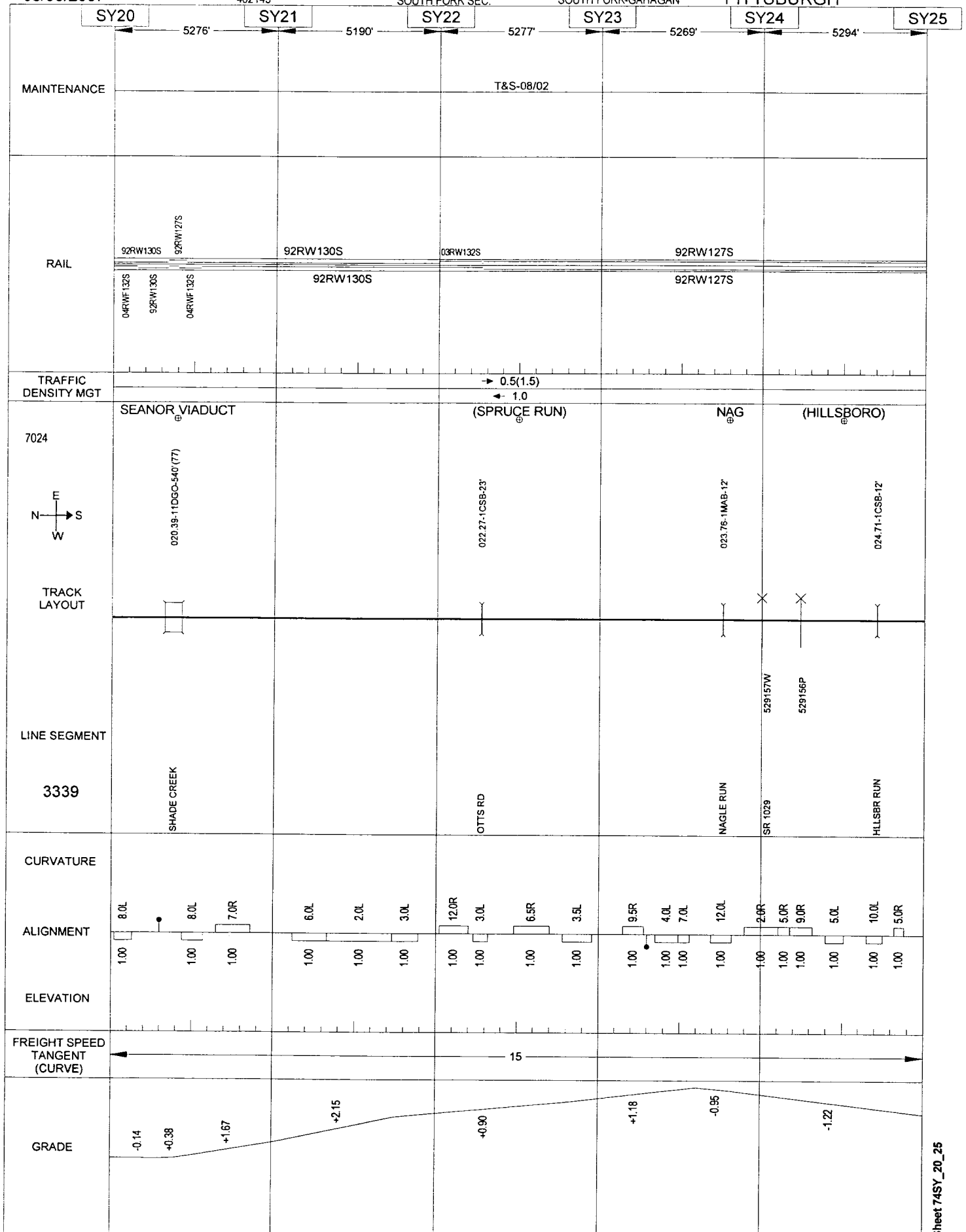
402143

190

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH



08/30/2007

402143

191

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH

SY25

SY26

SY27

SY28

SY29

SY30

5273'

5179'

5371'

5278'

5284'

MAINTENANCE

T&S-08/02

RAIL

92RW127S

92RW130S

92RW127S

92RW130S

TRAFFIC
DENSITY MGT→ 0.5(1.5)
← 1.0→ 0.3(0.6)
← 0.3

7024

HUSKIN
SY26 (HUSKIN RUN)

(MILLER RUN)

(ROCKINGHAM)

TRACK
LAYOUT

025.93-1MAB-15'

028.48-1MAB-30'

LINE SEGMENT

3339

HUSKINS RUN

MILLERS RUN

WHISPERING PINES RD 529155H

CURVATURE

ALIGNMENT

5.0R 3.0R 4.0L 12.0L 3.5L 12.0R 4.0L 7.0R 3.5L 7.0L 2.0L 3.0R 8.0R 10.0L 8.0R 8.0L 8.0R 3.0L 4.0R

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

-1.22

-1.21

-0.85

+1.21

+1.16

-0.37

08/30/2007

402143

192

SOUTH FORK SEC.

SOUTH FORK-GAHAGAN

PITTSBURGH

SY30

SY31

SY32

SY33

SY34

3477'

5280'

5280'

5303'

5280'

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'

TRACK
LAYOUT

LINE SEGMENT

3339

529154B
MCGREGOR AVE

529153U
L DRK SHD C

529152M
SR 160

529152M
LAMBERT ST

PRIVATE
PRIVATE
TIPPLE

CURVATURE

ALIGNMENT

ELEVATION

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

+0.71

+1.56

Sheet 74SY_30_35

08/30/2007

402141

193

SOUTH FORK I.T.

PAINT-WINDBER JUNCTION

PITTSBURGH

QS15

5280'

MAINTENANCE

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

RAIL

22NU110S 28JU130S

22NU110S 28JU130S

TRAFFIC
DENSITY MGT→ 0.0(0.0)
← 0.0(SCALP LEVEL) ϕ

7024

TRACK
LAYOUT

QS-14.40=SY-14.40

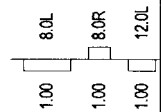
LINE SEGMENT

3342

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

← 10 →

GRADE

-0.32

08/30/2007

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

E
N → S
W

015.07.1TGO-41(89)

QS-16.13=XT-0.0

TRACK
LAYOUT

LINE SEGMENT

3342

JHNSTWN PK

7TH ST.

11TH ST

8TH ST

GRAHAM ST

15TH ST

529073B

529070F

529072U

529067X

529068E

CURVATURE

ALIGNMENT

4.0L

4.0R

5.0L

2.0R

3.0R

7.0R

ELEVATION

1.00

1.00

1.00

1.00

1.00

1.00

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

-1.46

0.00

-0.95

-0.28

-0.16

-0.53

08/30/2007

402145

195

WINDBER I.T.

WINDBER-ALLISON MINE

PITTSBURGH

XT0

5280'

XT1

2640'

MAINTENANCE

T&S-06/69
S-06/87

RAIL

41UJ130S

31RJ100S

41UJ130S

31RJ100S

TRAFFIC
DENSITY MGT0.0(0.0)
0.0(WINDBER)
XT1

7024

W
S — N
E

XT-0.0=0S-16.13

ALLISON MINE

001.18

TRACK
LAYOUT

LINE SEGMENT

3639

529149E
529147R

529148X

SOMERSET ST
RAILROAD ST

BONITZ TRK

CURVATURE

ALIGNMENT

12.0L
1.008.0R
1.003.0R
1.007.0R
1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

-0.10

+0.76

+1.31

08/30/2007

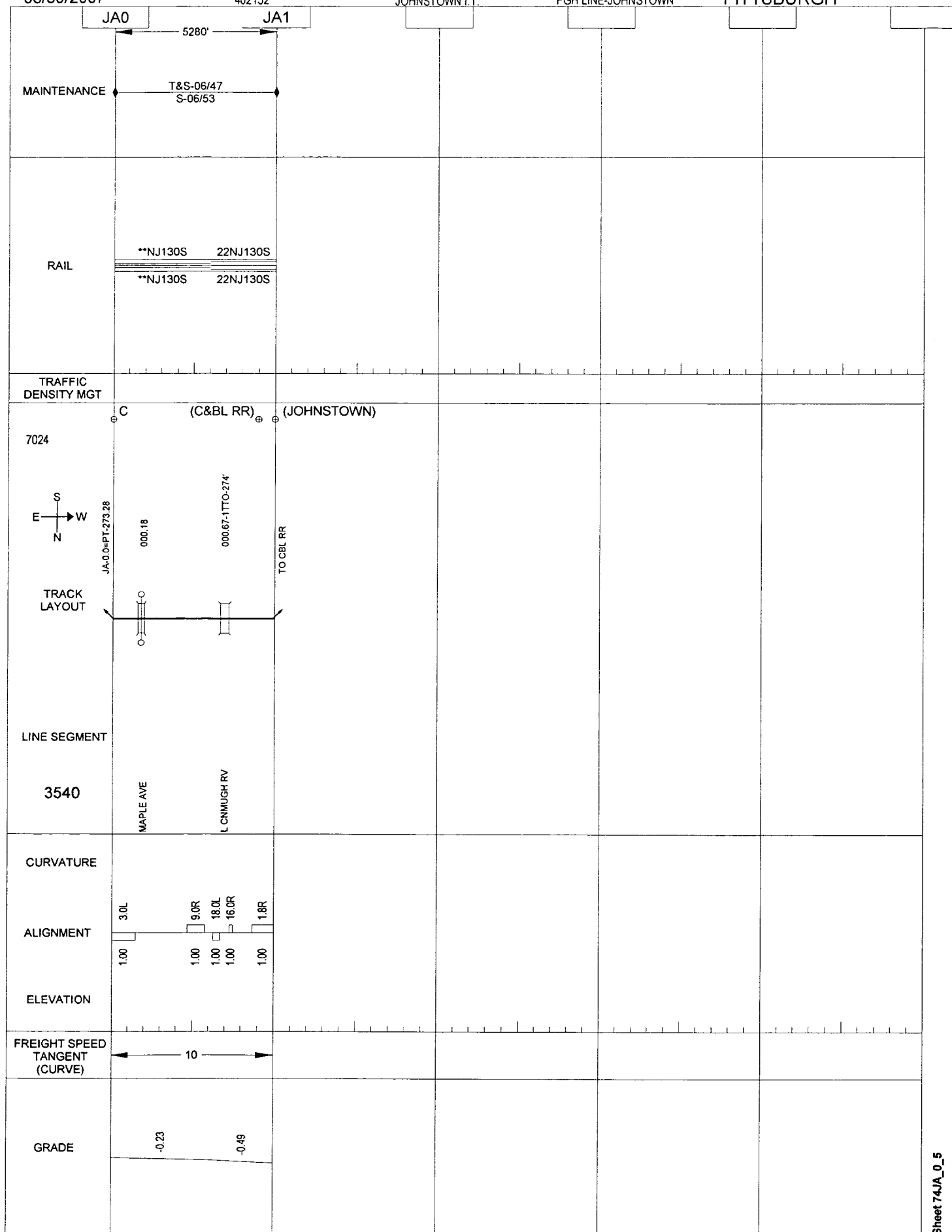
402152

196

JOHNSTOWN I.T.

PGH LINE-JOHNSTOWN

PITTSBURGH



08/30/2007

402285

197
UNITY I.T.

CP TROBE-LATROBE

PITTSBURGH

UNO

5280'

MAINTENANCE

RAIL

55NJ130S

55NJ130S

TRAFFIC
DENSITY MGT

7025

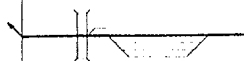
CP TROBE
(LATROBE)



UN-0.0=PT-312.73

000.22-4DGO-205'(99)

TRACK
LAYOUT



LINE SEGMENT

3618

LYLHNN CRK

UNITY YARD

CURVATURE

ALIGNMENT

6.0L
1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

-0.47

-0.88

+0.21

08/30/2007

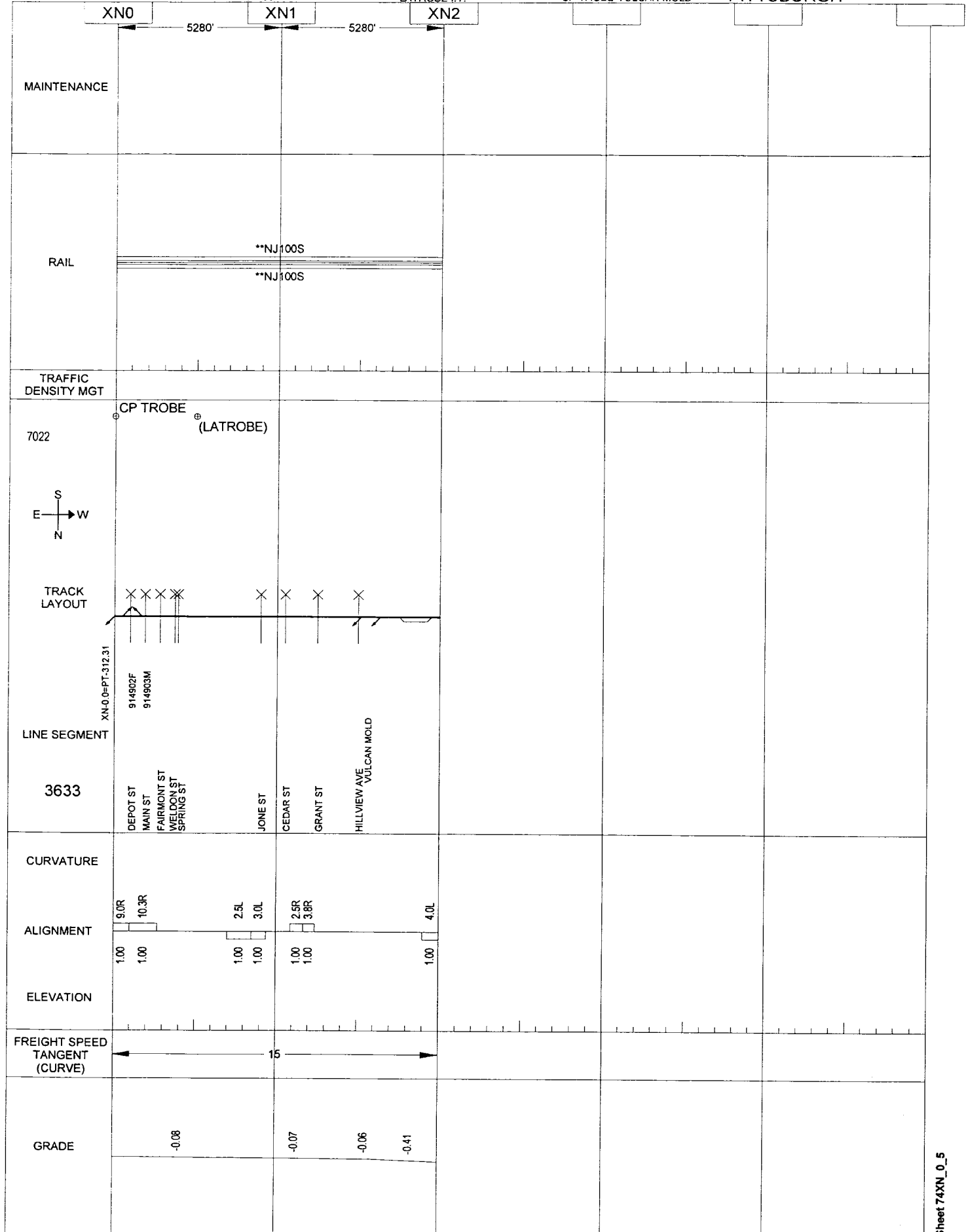
402299

198

LATROBE I.T.

CP TROBE-VULCAN MOLD

PITTSBURGH



08/30/2007

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



TRACK
LAYOUT

KQ-0-C-PT-325.06

LINE SEGMENT

SW PA RR CO.

3558

CURVATURE

ALIGNMENT

2.0L

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

0.00

08/30/2007

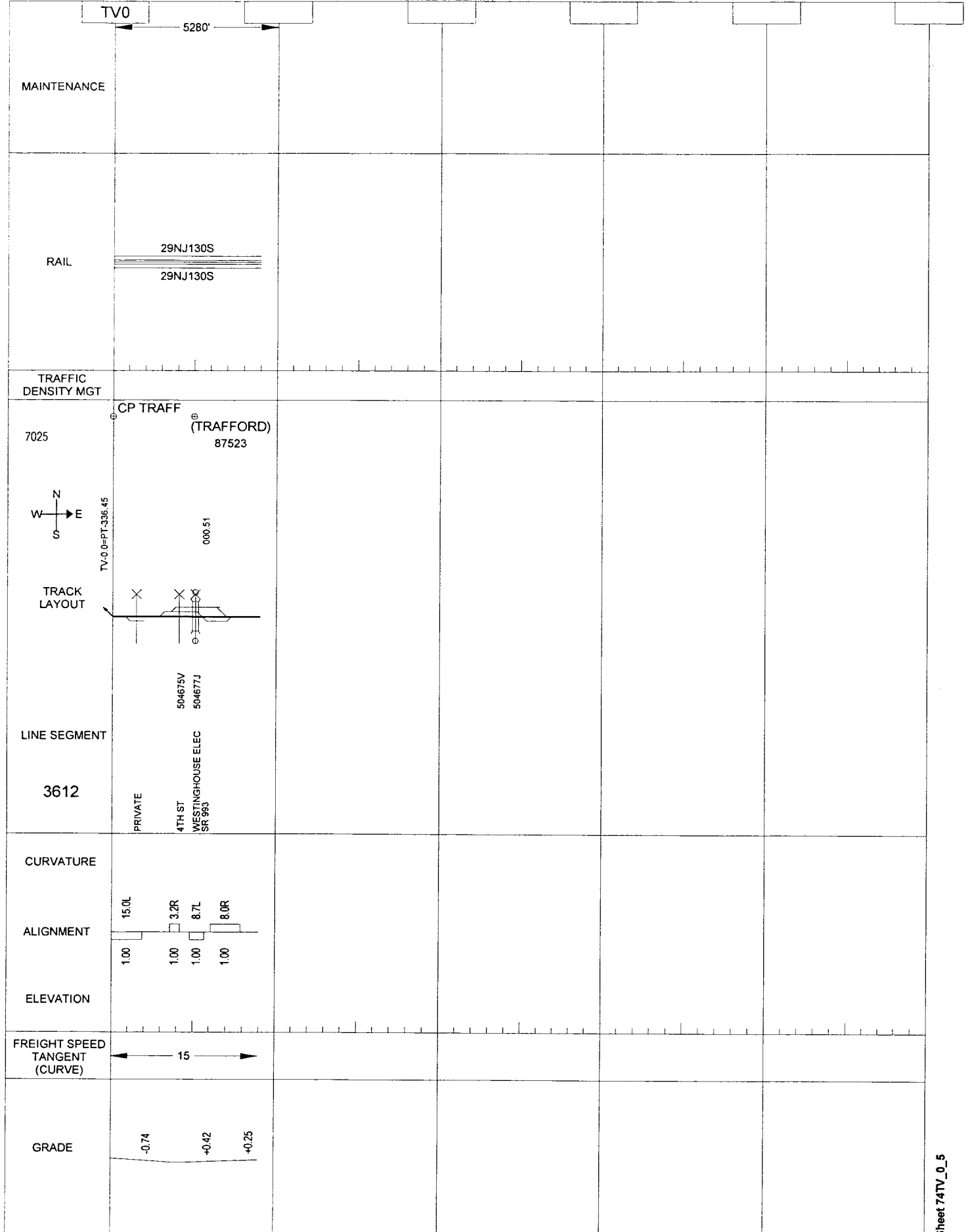
402277

200

TURTLE CREEK I.T.

CP TRAFF-END

PITTSBURGH



08/30/2007

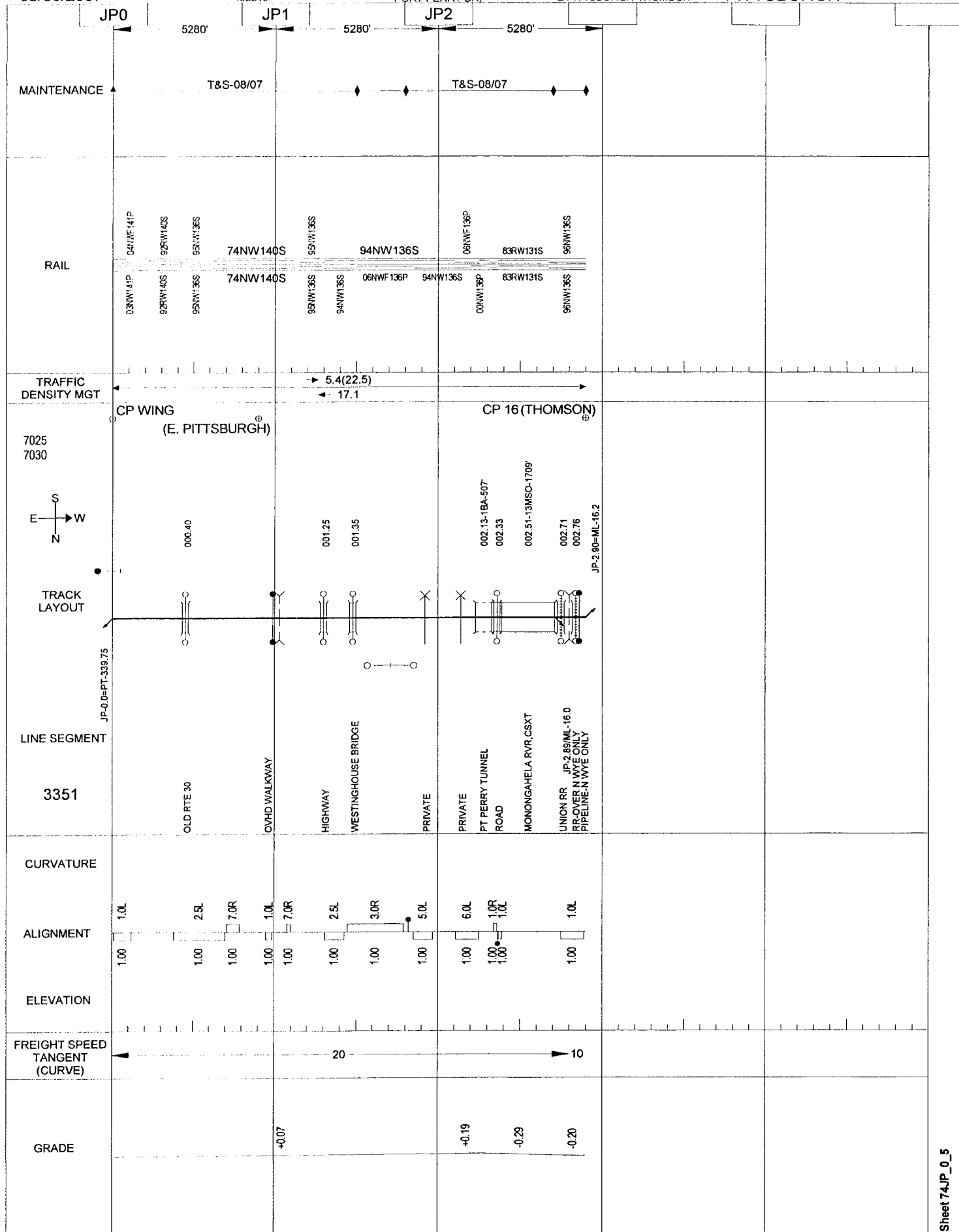
402219

201

PORT PERRY BR.

E PITTSBURGH-THOMSON

PITTSBURGH



08/30/2007

402226

202

VALLEY I.T.

CP HOME-END

PITTSBURGH

VL0

3168'

MAINTENANCE

T&S-06/83

RAIL

83RW131S

83RW131S

TRAFFIC
DENSITY MGT

CP HOME

7025

TRACK
LAYOUT

VL-0.0=PT-347.94

000.43
000.49
000.50-108-86'
000.51-108-86'
000.52-108-86'
000.53-108-86'

VL-0.0=PT-347.78

LINE SEGMENT

3624

BUSWAY
BESAWAY
HAMILTON AVE
KELLY ST
FRANKSTWN AV

CURVATURE

ALIGNMENT

ELEVATION

12.9L
10.5L
1.00
1.00
1.00

5.0L

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+0.55

-1.12

08/30/2007

402240

203

BLAIRSVILLE I.T.

CP ALUM-BLACK LICK

PITTSBURGH

JM0

5280'

JM1

5280'

JM2

5280'

JM3

5280'

JM4

5280'

JM5

MAINTENANCE

T&S-10/01

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

RAIL

38NJ100S

38NJ100S

26NJ100S

26NJ100S

63RJ140S

63RJ140S

27NJ100S

27NJ100S

33NJ130S

33NJ130S

52NJ131S
52NJ131STRAFFIC
DENSITY MGT

→ 0.0(0.0)

← 0.0

7029

CP ALUM

(BLAIRSVILLE)



JM-0.0=LC-10.72

000.76-1BSB-35'

001.77

002.48

004.47-1CBB-10'

TRACK
LAYOUT

LINE SEGMENT

3348

CONEMAUGH LINE

MARKET ST

MAPLE AVE

SR 22
GRAFF

SR 3011

DIXON

KENDALL

WEIR RUN

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

0.00

+1.61

0.00

+1.60

-1.60

-0.87

-1.68

+1.36

-1.68

0.00

08/30/2007

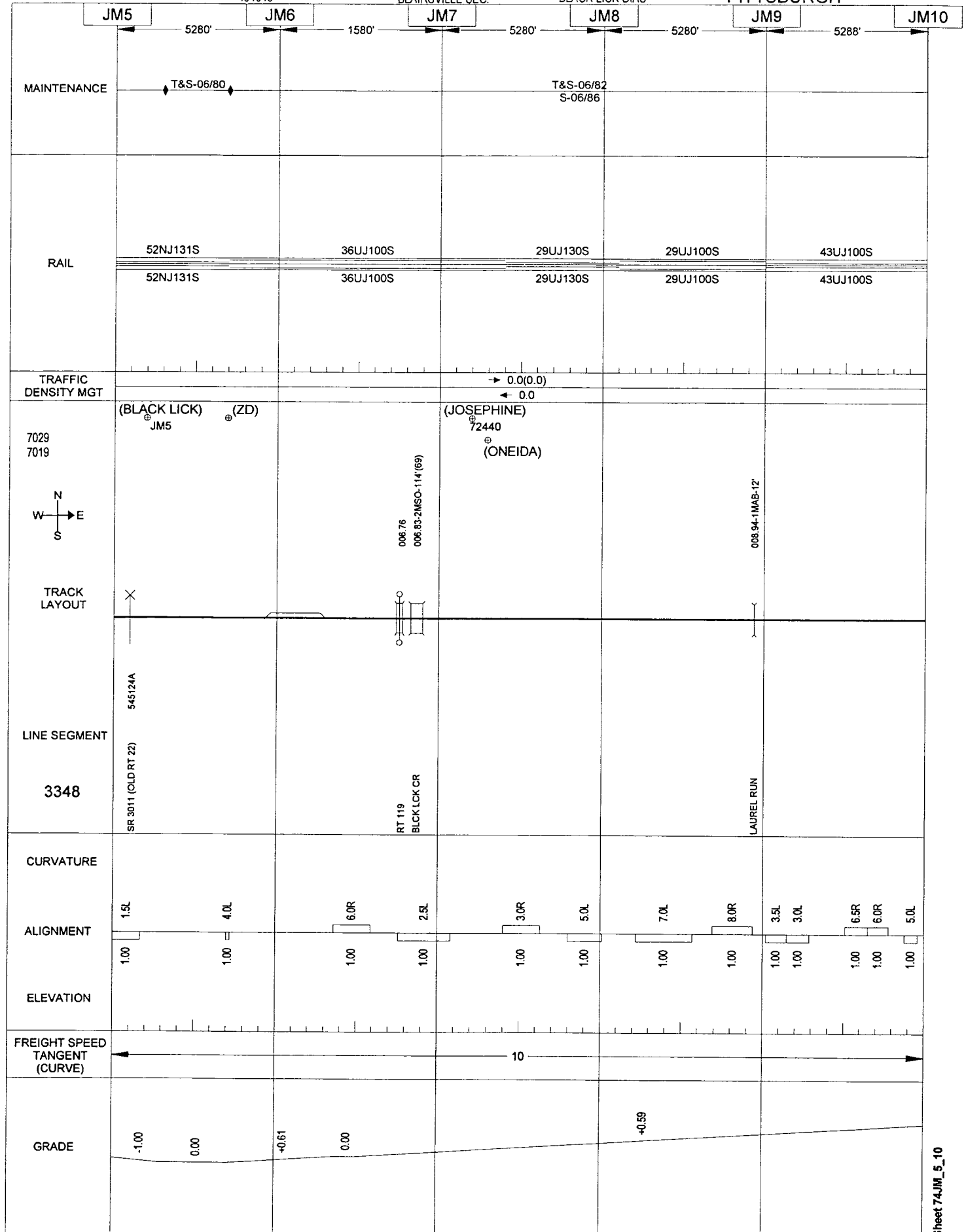
404040

204

BLAIRSVILLE SEC.

BLACK LICK-DIAS

PITTSBURGH



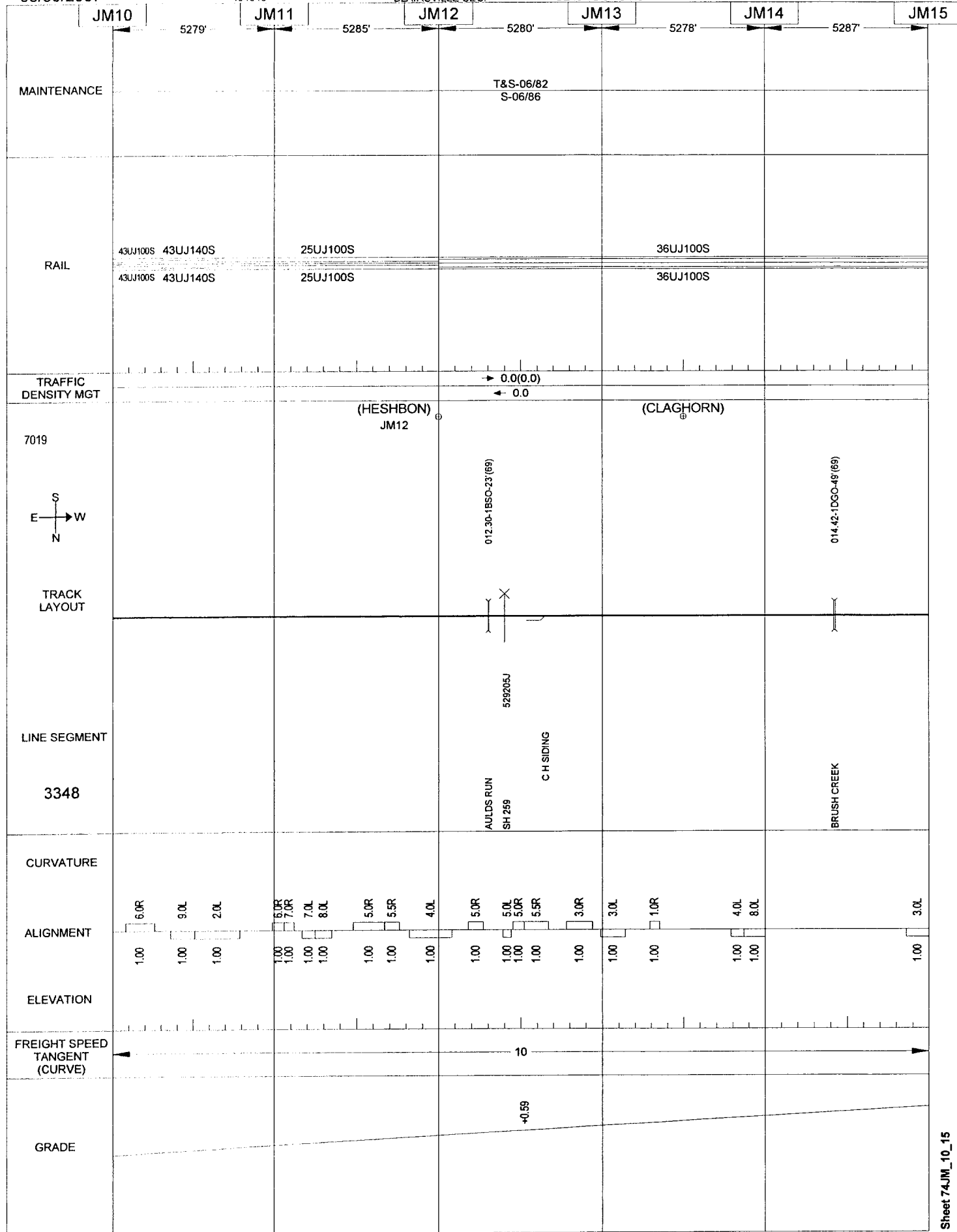
08/30/2007

404040

205
BLAIRSVILLE SEC.

BLACK LICK-DIAS

PITTSBURGH



08/30/2007

404040

206

BLAIRSVILLE SEC.

BLACK LICK-DIAS

PITTSBURGH

JM15

JM16

JM17

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

T&S-06/82

MAINTENANCE

RAIL

36UJ100S

36UJ100S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)

← 0.0

7019

(DIAS)
JM16



015.83

016.48-18SO-15'(69)

TRACK
LAYOUT

LINE SEGMENT

3348

SR 56

DIAS RUN

TIPPLE

CURVATURE

ALIGNMENT

3.0L
1.00

4.0R
1.00

3.0L
1.00

3.0R
1.00

5.0R
1.00

6.0R
1.00

6.0L
1.00

4.0L
1.00

5.0L
1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

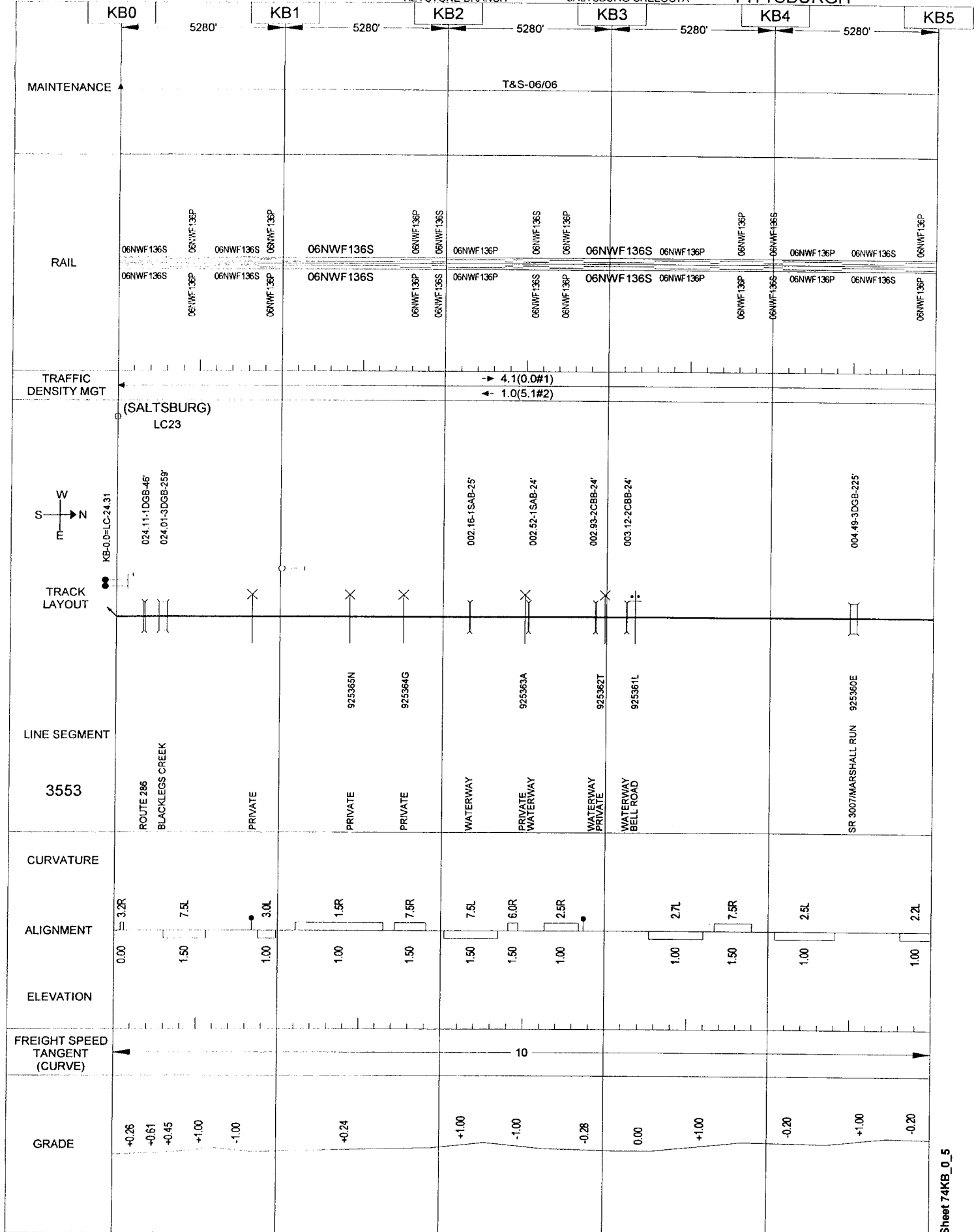
-0.59

08/30/2007

207
KEYSTONE BRANCH

SALTSBURG-SHELOCTA

PITTSBURGH

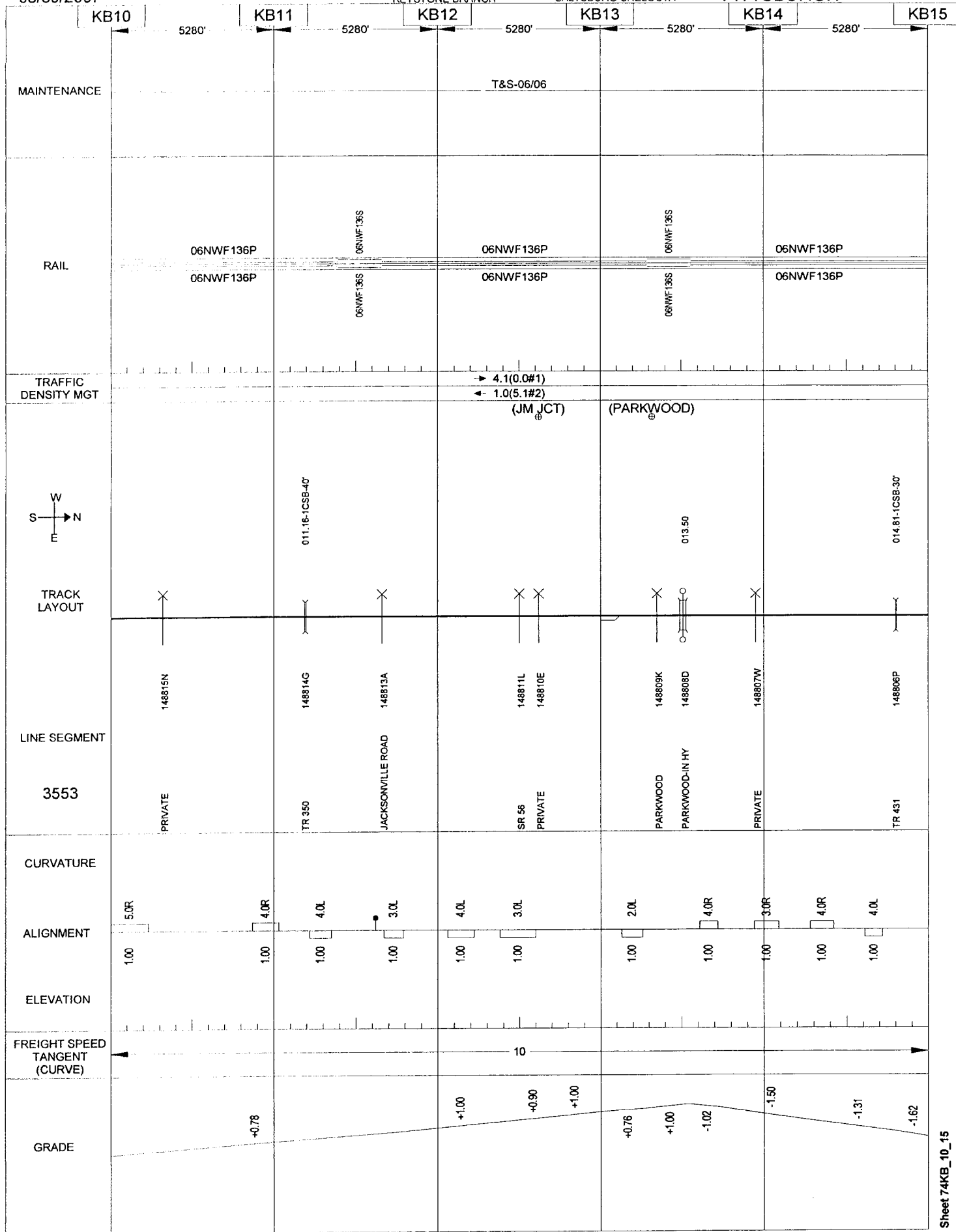


08/30/2007

209
KEYSTONE BRANCH

SALTSBURG-SHELOCTA

PITTSBURGH



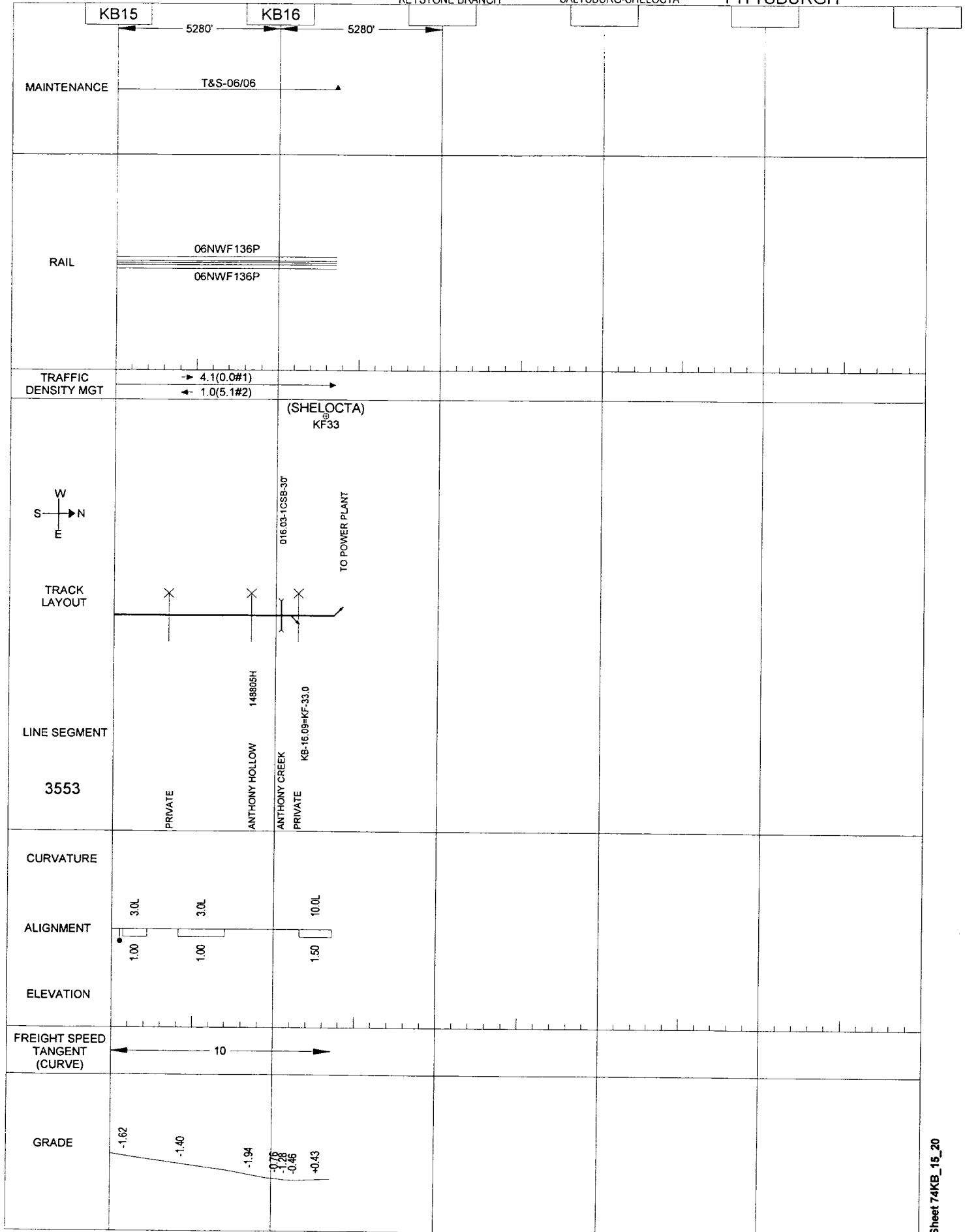
08/30/2007

210

KEYSTONE BRANCH

SALTSBURG-SHELOCTA

PITTSBURGH



08/30/2007

408009

211
SHELOCTA R.T.

CLOE-CREEKSIDE

PITTSBURGH

RA2

RA3

RA4

RA5

5280'

5280'

5280'

MAINTENANCE

RAIL

40RJ100S

40RJ130S

40RJ100S

40RJ100S

40RJ130S

40RJ100S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)

← 0.0

(ROSSITER)

(JUNEAU)

S
E → W
N

TRACK
LAYOUT

LINE SEGMENT

3597

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

4.7L

6.5L

4.0R

3.0R

3.5L

4.7R

1.00

1.00

1.00

1.00

1.00

1.00

10

+0.17

+0.35

+0.95

+1.28

08/30/2007

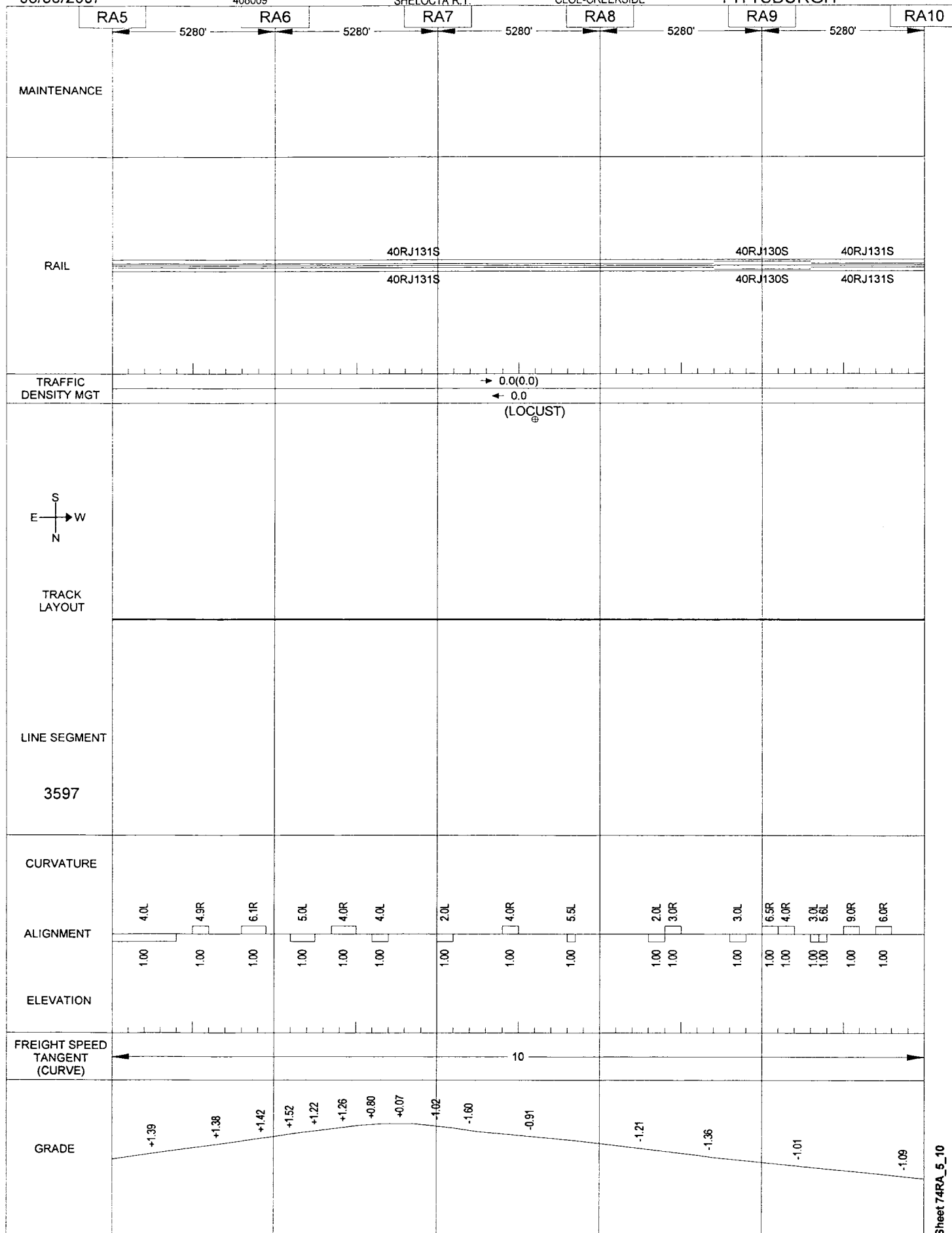
408009

212

SHELOCTA R.T.

CLOE-CREEK SIDE

PITTSBURGH



08/30/2007

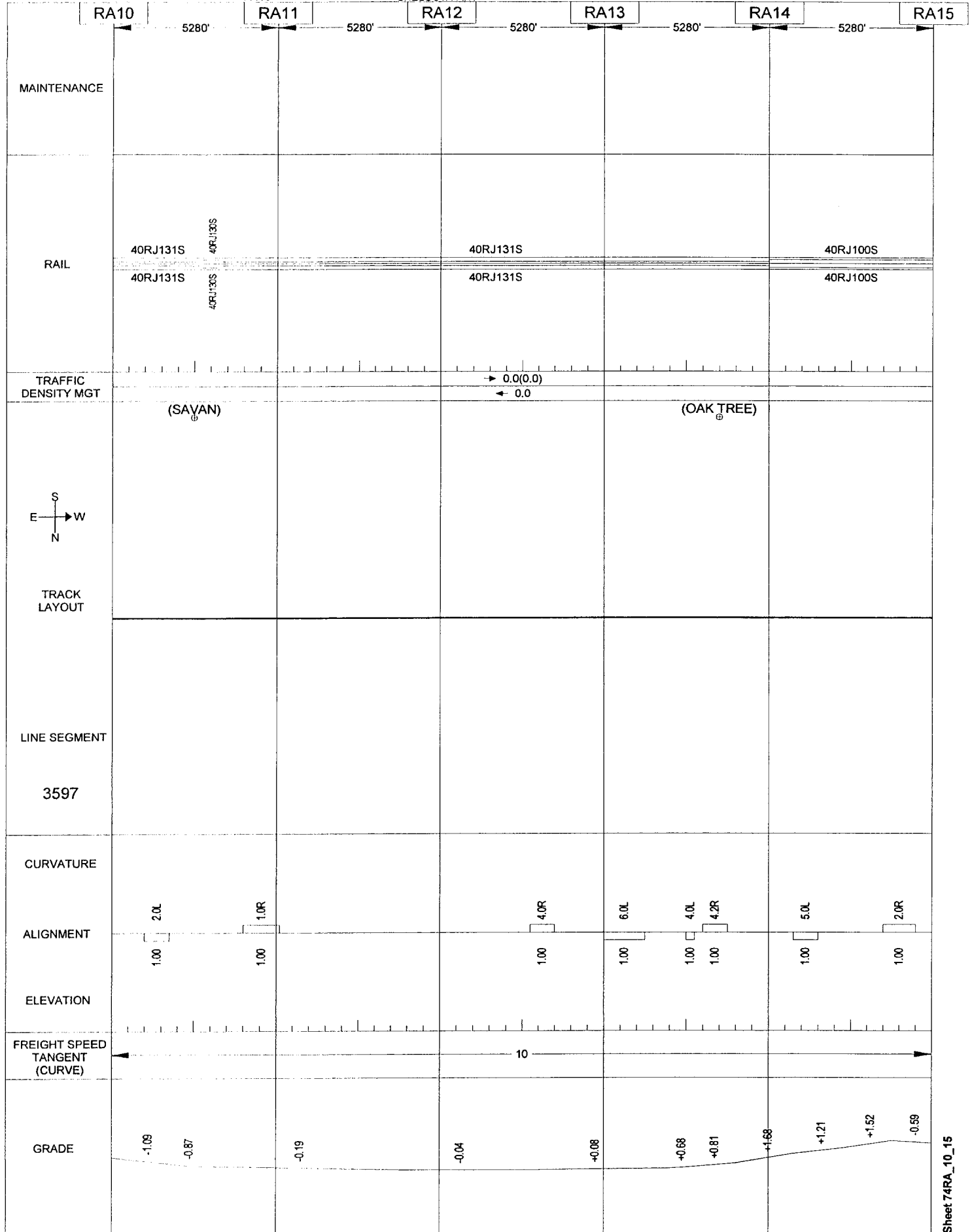
408009

213

SHELOCTA R.T.

CLOE-CREEKSIDE

PITTSBURGH



08/30/2007

408009

214

SHELOCTA R.T.

CLOE-CREEKSID

PITTSBURGH

RA15

5280'

RA16

5280'

RA17

5280'

RA18

5282'

RA19

5280'

RA20

MAINTENANCE

RAIL

40RJ100S

40RJ100S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)

← 0.0

(BARTON)
⊕(MARION CENTER)
⊕
RA17S
E → W
NTRACK
LAYOUT

148771R

SR 403

LINE SEGMENT

3597

CURVATURE

ALIGNMENT

2.5L

5.0R

4.0L

5.0R

1.0R

2.0L

2.0R

3.0L

1.8L

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

-0.59

-0.75

-0.58

-0.35

-0.30

-0.25

08/30/2007

408009

215

SHELOCTA R.T.

CLOE-CREEK SIDE

PITTSBURGH

RA20

RA21

RA22

RA23

RA24

RA25

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

RAIL

40RJ100S

40RJ100S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)

← 0.0

(HOME)

S
E → W
NTRACK
LAYOUT

LINE SEGMENT

3597

CURVATURE

ALIGNMENT

5.7L

5.0R

6.4R

4.0L

6.5R

4.0L

4.0R

3.0L

3.0R

1.5R

6.6L

4.0R

1.0L

5.0R

3.5R

6.1L

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

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

-0.26

-0.57

-0.98

-0.87

-1.23

-1.07

-1.24

-0.88

-0.13

0.00

-0.10

08/30/2007

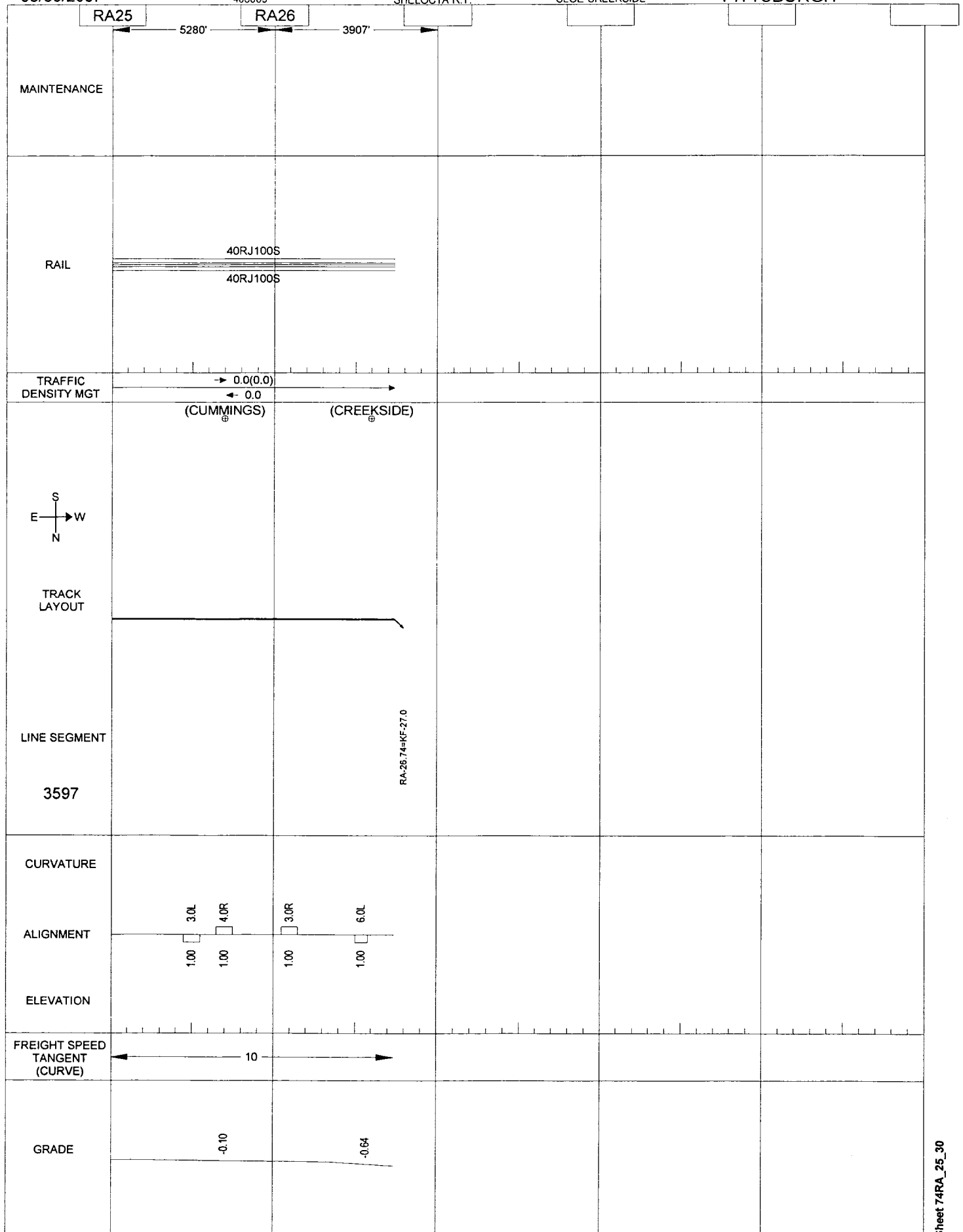
408009

216

SHELOCTA R.T.

CLOE-CREEKSIDE

PITTSBURGH



08/30/2007

408008

217

SHELOCTA R.T.

CREEKSIDE-SHELOCTA

PITTSBURGH

KF27

KF28

KF29

KF30

5280'

5280'

5280'

MAINTENANCE

RAIL

31RJ100S

31RJ100S

TRAFFIC
DENSITY MGT→ 0.0(0.0)
← 0.0TRACK
LAYOUT(CREEKSIDE)
KF27027 08-28SO-79 (65)
027 16-2CAB-32

027 37

027 64-3DGO-150 (01)

029 97-1DGO-30 (00)

LINE SEGMENT

3555

KF-27 0=RA-26.74

148790V

148791C

148792J

148793R

148795E

148796L

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

08/30/2007

408008

218

SHELOCTA R.T.

CREEKSIDE-SHELOCTA

PITTSBURGH

KF30

KF31

KF32

KF33

5280'

5280'

5280'

5280'

MAINTENANCE

RAIL

31RJ100S

31RJ100S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)

← 0.0

(FISHER)

(SHELOCTA)
KF33S
E → W
N

031.00-1 DGO-30' (98)

031.73-1 BSO-20' (98)

032.45-2 DGO-150' (98)

KF-33.0-KB-16.09

TRACK
LAYOUT

LINE SEGMENT

3555

PRIVATE
148797TPRIVATE
148798APRIVATE
148799GPRIVATE
148800YPRIVATE
148801FPRIVATE
148802MPRIVATE
148803U

CURVATURE

ALIGNMENT

2.0R

8.0R

8.0L

0.5R

4.0L

3.0L

1.00

1.00

1.00

1.00

1.00

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

0.00

-0.37

-0.11

-0.17

0.00

-0.13

0.00

-0.16

+0.09

08/30/2007

402224

219

ISLAND CONN.

CP PENN-CP ISLE

PITTSBURGH

TJ0

5280'

TJ1

5280'

MAINTENANCE

T&S-09/05

RAIL

85RW140S

43RJ140S

85RW140S

43RJ140S

00WVF: 136P

43RJ140S

TRAFFIC
DENSITY MGT

5.5(7.3)

1.8

(ISLAND AVE)

CP ISLE

7201
7335

CP PENN

TJ1

000.12-15MSC-1153 (02.04)

TJ-1.40=ML-1.80

S
E → W
N

TJ-0.0=PC-2.10

TRACK
LAYOUT

TO FT 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

08/30/2007

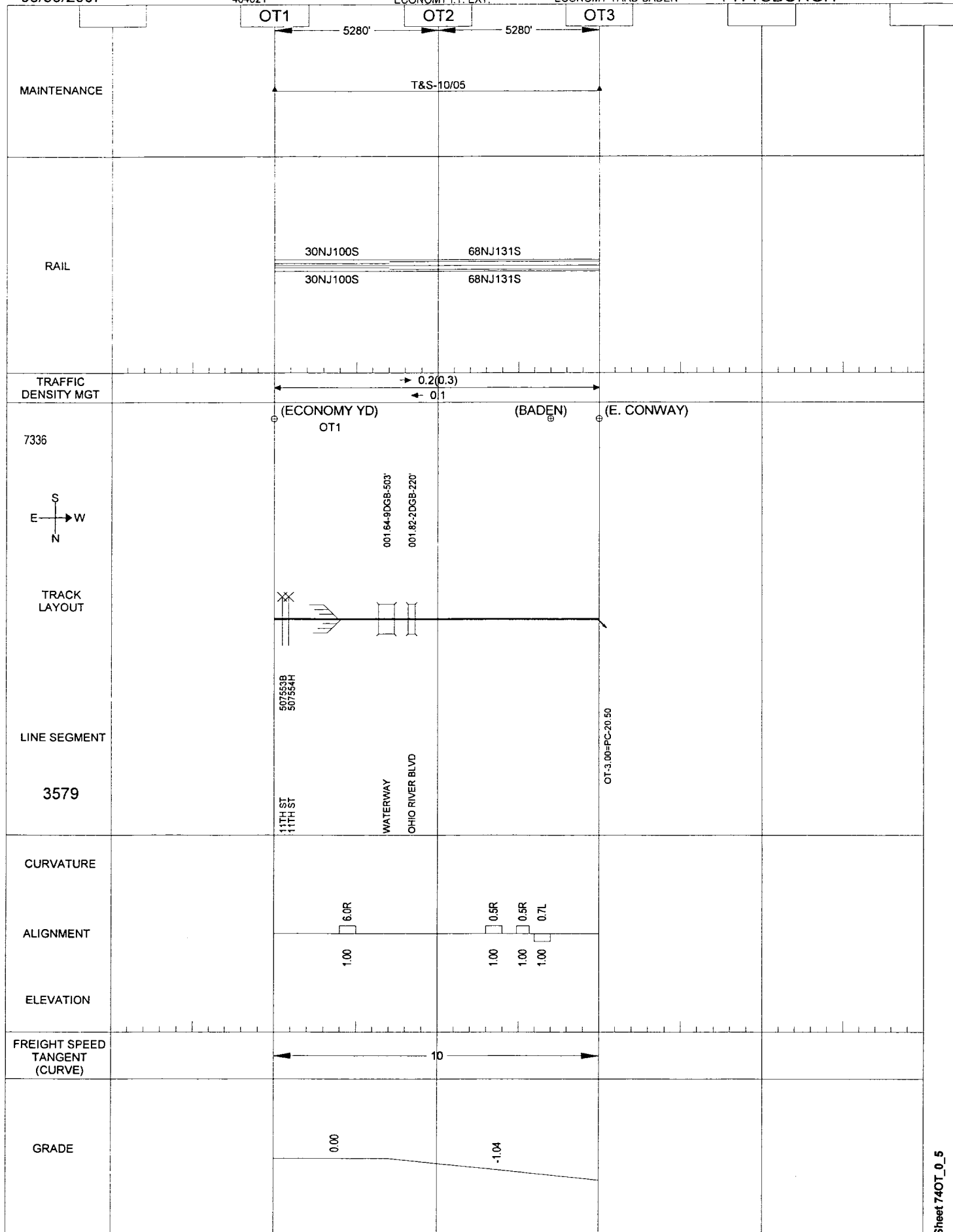
404021

220

ECONOMY I.T. EXT.

ECONOMY YARD-BADEN

PITTSBURGH



08/30/2007

404022

221

BLOCK HOUSE RUN I.T.

WEST ROCHESTER-END

PITTSBURGH

BY0

5280'

MAINTENANCE

RAIL

TRAFFIC
DENSITY MGT

(WEST ROCHESTER)

7336



BY-0.0=PC-26.96

000.18-1TGS-165'

TRACK
LAYOUT

LINE SEGMENT

3513

SR 65

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

+0.98

0.00

08/30/2007

402422

222

KOPPEL SEC.

CEMENT-CP WOOD

PITTSBURGH

KR82

KR83

KR84

KR85

4380'

5280'

5280'

5280'

MAINTENANCE

T&S-10/04

RAIL

29NJ131S

41NJ130S

86RW140S

41NJ130S

29NJ131S

41NJ130S

86RW140S

41NJ130S

TRAFFIC
DENSITY MGT

→ 0.7(4.4)

← 3.7

7416

CP 81

KOPP
KR84

E
N → S
W

081.33-1 DGO-19'(84)

081.72-2 MAB-68'

081.95-1 TGB-70'

084.12-1 MAB-10'

084.42-1 MAB-25'

TRACK
LAYOUT

LINE SEGMENT

3561

KR-81.10=YG-81.19

WATERWAY
CLYDE STDARLINGTON
WAMPUM RUN

WAMPUM ROAD

(MEDUSA PORT CEM)

WATERWAY

WILSONS RUN

(CEMETERY)

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

0.00

-0.67

-0.60

0.00

+1.26

+0.53

0.00

+0.33

-0.30

-0.45

+0.81

08/30/2007

402422

223

KOPPEL SEC.

CEMENT-CP WOOD

PITTSBURGH

KR85

KR86

KR87

5280'

5280'

5280'

MAINTENANCE

T&S-10/04

RAIL

41NJ130S

41NJ130S

TRAFFIC
DENSITY MGT0.7(4.4)
3.70.7(4.3)
3.6

7416



085.01-1MPB-12'

085.41-1DGO-13'(81)

086.35-1MAB-20'

087.09-1TTB-225'

087.35-1TGB-34'

087.42-1DGO-25'(81)

KR-87.50-PC-34.50

TRACK
LAYOUTKOPPEL
KR86

CP WOOD

LINE SEGMENT

3561

BAKERS RUN

CATTLE PASS

MOUNT ST

ARTHUR ST

PRIVATE

STOCKMAN RN

WESTGATE DR

PRIVATE

PA SR 18

KR-87.24/PC-35.00

PA TURNPIKE

1ST AVE

CLARKS RUN

PRIVATE

CURVATURE

ALIGNMENT

2.8L
1.005.2L
1.001.5R
1.003.0R
1.001.7L
1.003.7R
1.005.7L
1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+0.81

+0.30

-0.13

+0.55

0.00

+0.81

+0.09

+1.42

+0.54

-0.63

08/30/2007

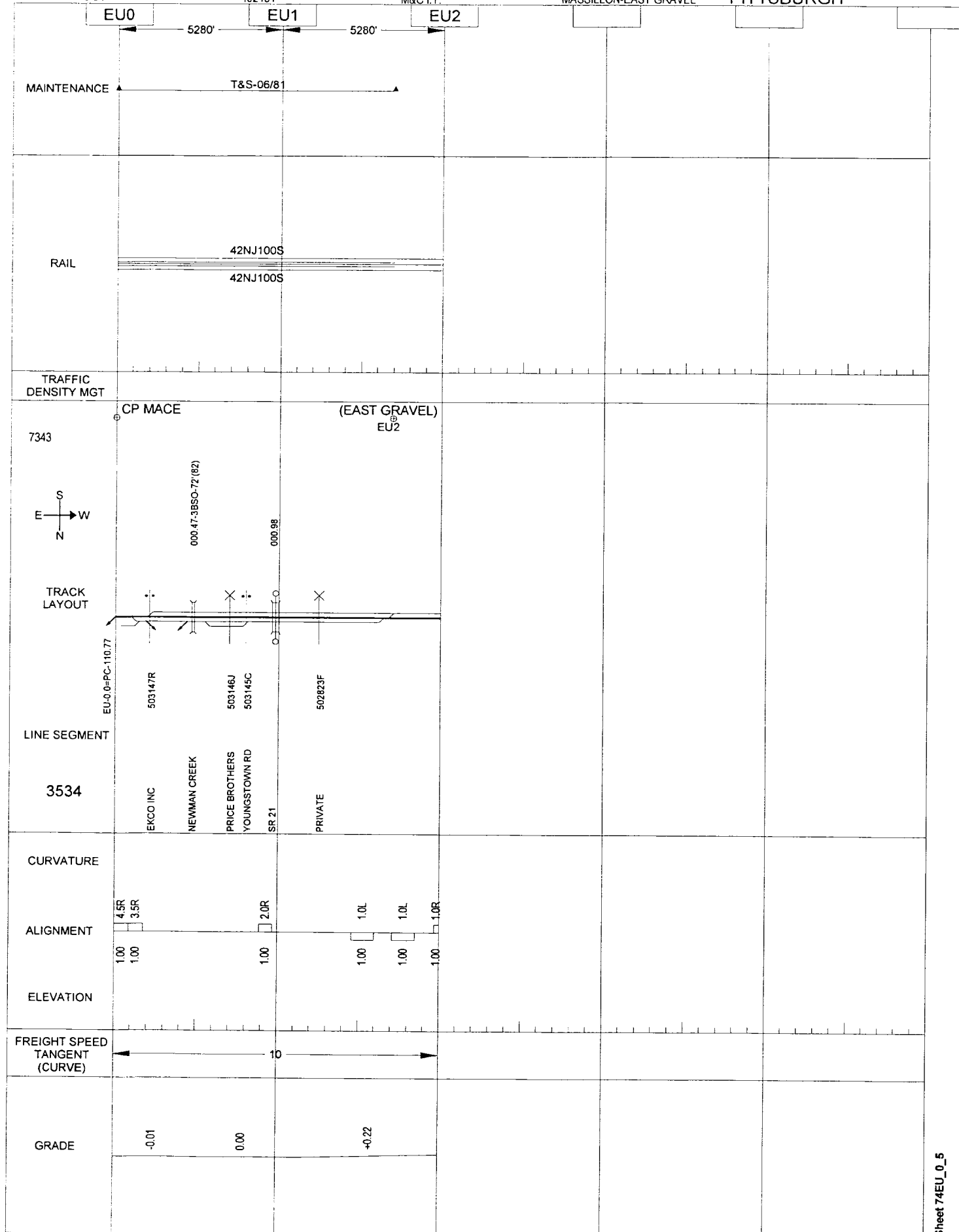
402431

224

M&C I.T.

MASSILLON-EAST GRAVEL

PITTSBURGH



08/30/2007

402421

225
ORRVILLE I.T.

ORRVILLE

PITTSBURGH

OZ35

OZ36

OZ37

OZ38

5280'

5281'

5280'

5280'

MAINTENANCE

T&S-06/78

RAIL

67NW130S

67NW130S

TRAFFIC
DENSITY MGT

7307

TRACK
LAYOUT

(ORRVILLE)

CP ORR

035.90-1CSB-14'

OZ-37.20=PC-123.95

037.94

LINE SEGMENT

3582
3585

COUNTY DITCH

503513U

914698T

503514B

PRIVATE
(SMUCKERS)

MAIN ST

503515H

503516P

VINE & HOWARD
HIGH ST

503517W

503518D

CHURCH ST
MARKET

OZ-37.20=PC-124.02

502456A

502457G

SCHROCK RD
CR 47

W&LE RR

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

-0.66

-0.41

0.00

-0.60

0.00

15

10

1.0R
1.001.0L
1.001.0L
1.002.1R
1.002.1R
1.003.0R
1.001.7R
1.00

08/30/2007

406601

226
HARDING J.T.

MANS-ONTARIO

PITTSBURGH

LQ269

LQ270

5280'

5306'

MAINTENANCE

T&S-06/85

RAIL

49NJ132S

56NJ132S

49NJ132S

56NJ132S

TRAFFIC
DENSITY MGT

→ 0.4(1.1)
← 0.7

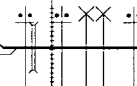
8385

S
E → W
N

TRACK
LAYOUT

CP MANS

LQ-268 80=PC-175.05
268 92-1 TGO-62 (79)



264957W
264958D
264960E
264961L
264962T

LINE SEGMENT

3495

MAIN ST
TOBY RUN
PR 014
MULBERRY ST
MILLER ST
HIGH ST
BOWMAN ST

CURVATURE

ALIGNMENT

ELEVATION

2.9R
1.00
0.5R
1.00
0.5L
1.00
1.8L
1.00
1.5R
1.00

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

0.00
+1.06

08/30/2007

406601

227
HARDING I.T.

MANS-ONTARIO

PITTSBURGH

LQ270

LQ271

LQ272

LQ273

LQ274

LQ275

5286'

5304'

5276'

5299'

5290'

MAINTENANCE

T&S-06/85

T&S-06/67
S-06/73

RAIL

55NJ132S

73NJ115S

48NJ15S

57NJ132S

67NW132S

55NJ132S

73NJ115S

48NJ15S

57NJ132S

67NW132S

TRAFFIC
DENSITY MGT→ 0.4(1.1)
← 0.7

8385



270.56-1BSB-14'

270.77-1BSB-15'

270.85

271.70

272.95

273.88-1TGB-104'

TAPPAN LEAD

274.28-1MPB-10'

TRACK
LAYOUT

LINE SEGMENT

3495

CATTLE PASS

ARNOLDS RUN

TRIMBLE RD

PRIVATE ASPHALT RD

US 30N HOME RD

SPRINGMILL RD

US 30

WATERWAY

PRIVATE

CURVATURE

ALIGNMENT

1.00

1.5R

1.00

1.0L

1.00

0.5L

1.00

0.5R

1.00

1.0L

1.00

1.5R

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

+1.06

+0.53

-0.13

-0.59

08/30/2007

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

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

-0.59

08/30/2007

402452

229

NEW CASTLE CONNECTION

CASTLE-CSX

PITTSBURGH

CY47

2640'

1584'

MAINTENANCE

RAIL

94RW140S

94RW140S

TRAFFIC
DENSITY MGT

CP 75



TRACK
LAYOUT

CASTLE IND

TO CSX

LINE SEGMENT

3516

CY-46.50=YG-75.75

CURVATURE

ALIGNMENT

7.5R

10.0L

1.00

1.00

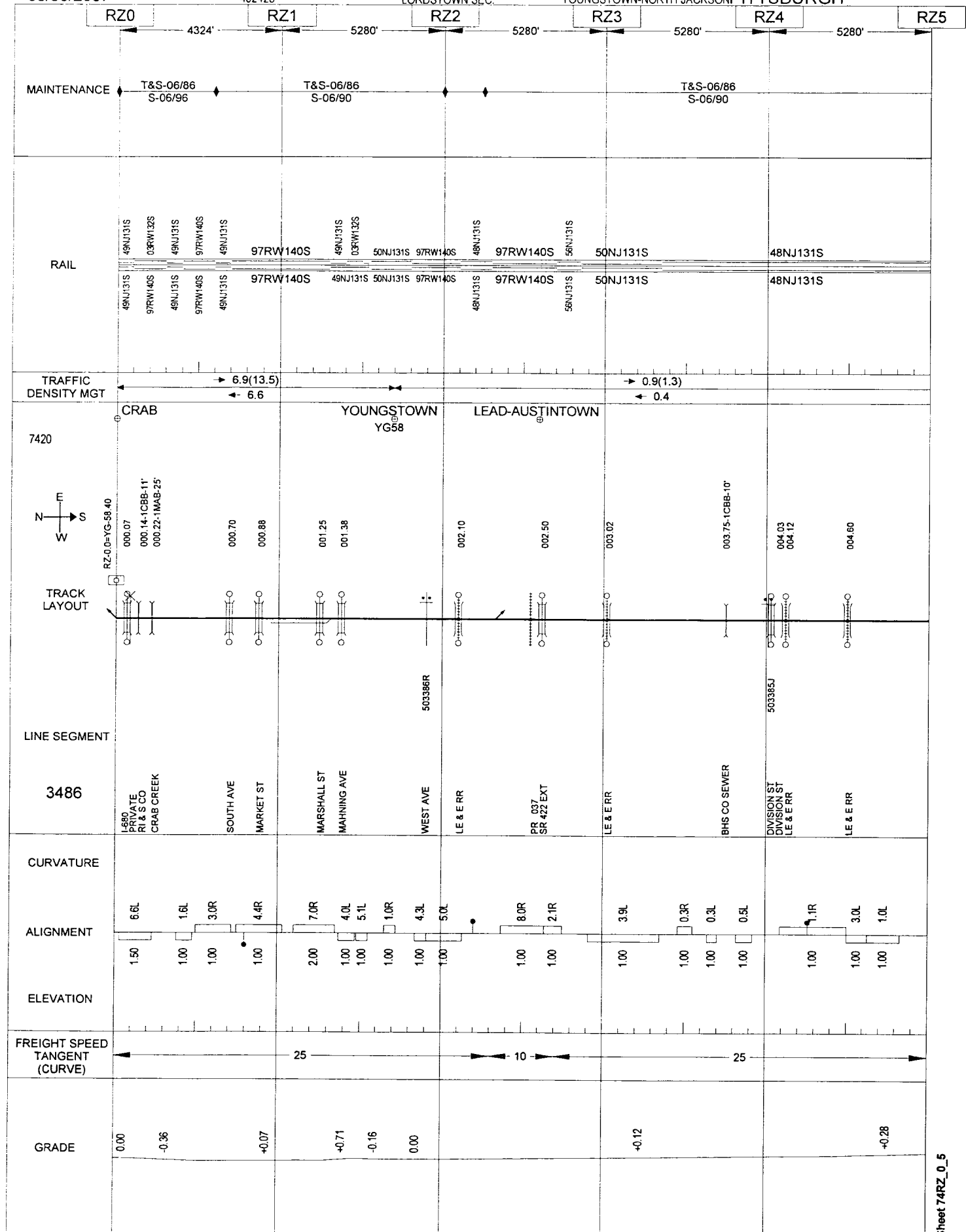
ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

+1.04



08/30/2007

402423

231
LORDSTOWN SEC.

YOUNGSTOWN-NORTH JACKSON PITTSBURGH

RZ5

5280'

RZ6

5280'

RZ7

5280'

RZ8

5280'

RZ9

5280'

RZ10

MAINTENANCE

T&S-06/86
S-06/90T&S-06/86
S-06/97

T&S-06/86

RAIL

48NJ131S

44NJ131S

97RW140S

44NJ131S

43NJ131S

97RW140S

48NJ131S

44NJ131S

97RW140S

44NJ131S

02SW 32S

43NJ131S

02RW132S
43NJ131S

97RW140S

TRAFFIC
DENSITY MGT→ 0.9(1.3)
← 0.4

7420

KID

(GIRARD)

COLLINS

TRACK
LAYOUT
 005.95-2CSB-54'
 006.12
 006.12
 006.20
 006.10-2WTO-34'(82)
006.40
006.39-17DGO-289'(NA)

007.30-1DGO-56'(85)

009.30

LINE SEGMENT

3486

CR & B&O RR
1-80
COAL DOCK
MILL STLIBERTY ST
BANK SLOPE

SQUAW CREEK

NILES HWY

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE

+0.28

+0.22

0.00

1.00 2.5R

1.00 1.2R

1.00 2.8L

1.00 1.0R

1.00 0.8L

1.00 1.5L

1.00 2.8L

1.00 3.5L

1.00 3.7L

1.00 4.0R

1.00 2.4R

08/30/2007

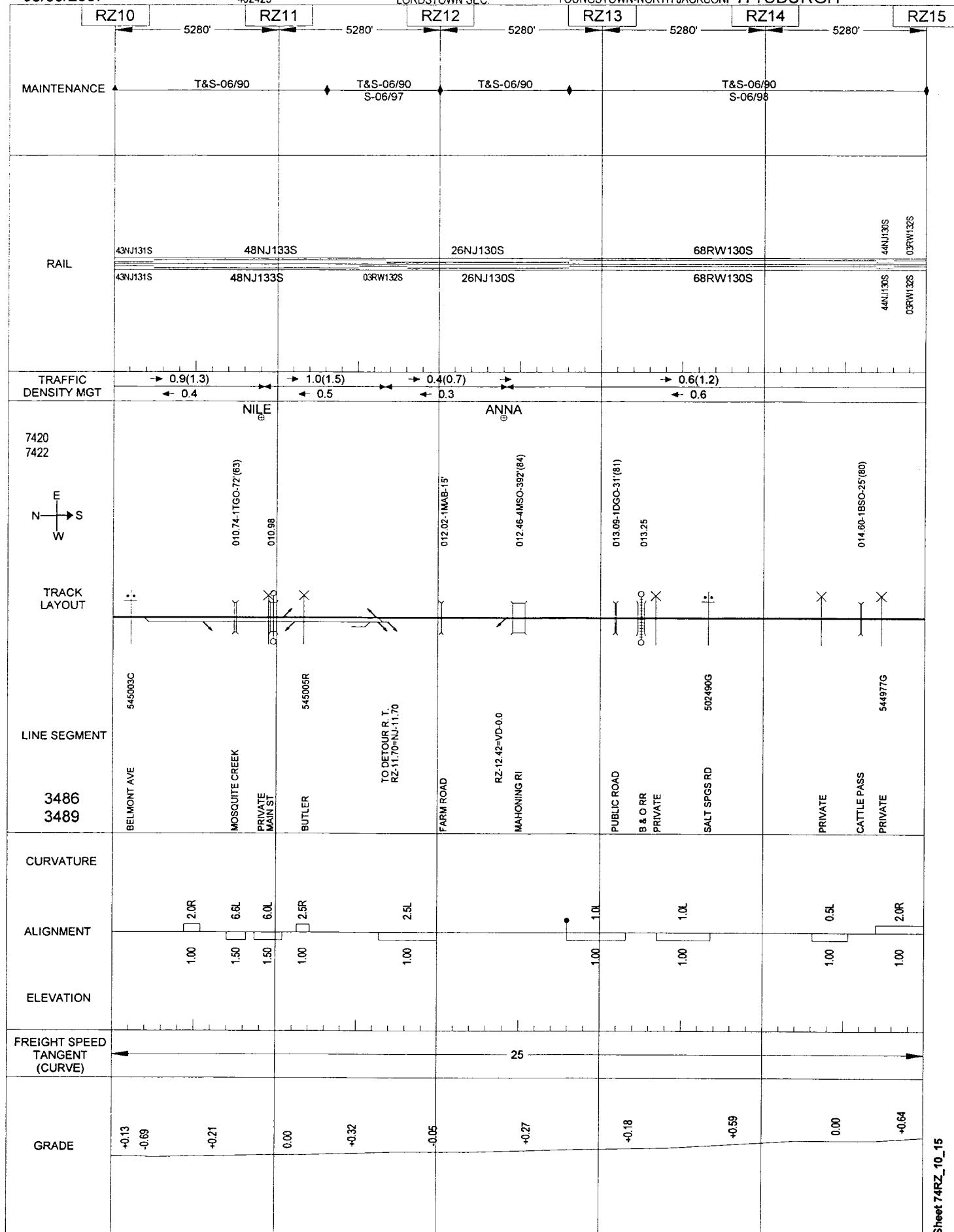
402425

232

LORDSTOWN SEC.

YOUNGSTOWN-NORTH JACKSON

PITTSBURGH



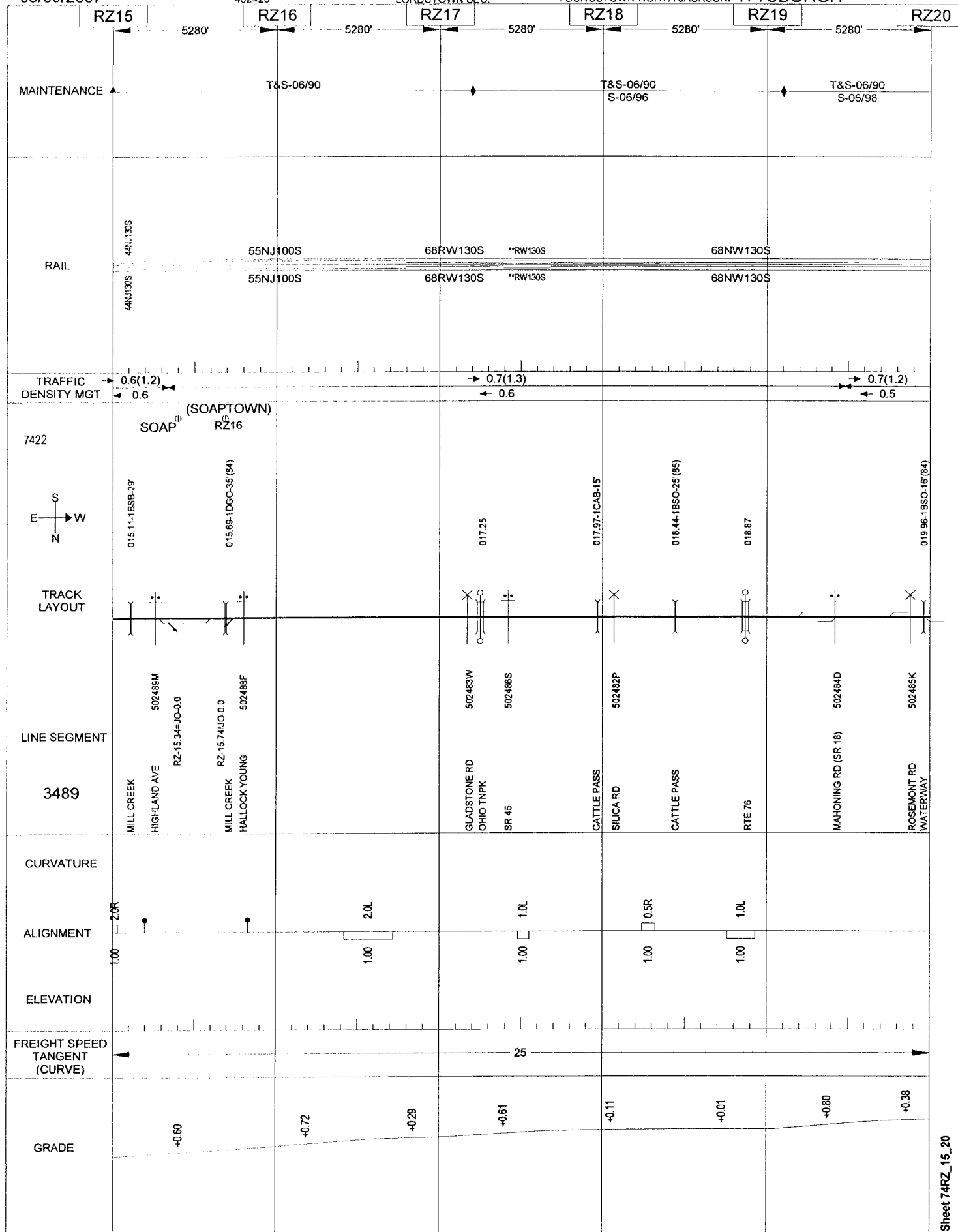
08/30/2007

402425

233

LORDSTOWN SEC.

YOUNGSTOWN-NORTH JACKSON PITTSBURGH



08/30/2007

402425

234

LORDSTOWN SEC.

YOUNGSTOWN-NORTH JACKSON PITTSBURGH

RZ20

5280'

MAINTENANCE

RAIL

68°W130S
68°W130S

TRAFFIC
DENSITY MGT

MILT
RZ19

7422

S
E — W
N

SERVICE DISCONTINUED

TRACK
LAYOUT

LINE SEGMENT

3489

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE

-0.38

08/30/2007

402424

235

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(1.1)
← 0.3

7420

DETOUR
(NILES)[Ⓟ](WARDWELL)[Ⓟ]
NJ14(BRICK)[Ⓟ]W
S → N
ETRACK
LAYOUT

012.06

NJ-12.32=VD-0.50
012.33

012.71-1MAB-15'

014.62-1BSB-7'

LINE SEGMENT

3453

TO LORDSTOWN SE
NJ-11.70=RZ-11.70E PARK AVE
502591T

PARK AVE

MCROBERTS RD

WATERWAY

WARREN AVE
W PARK AVE
CLOVER502594N
502592A
502593GGSA/DIA
502544PPRIVATE
WATERWAY
PIPELINE

925173W

CURVATURE

ALIGNMENT

2.0R

1.0R

ELEVATION

1.00

1.00

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

+0.17

-0.08

0.00

08/30/2007

402424

236

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(1.1)
← 0.3

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

08/30/2007

406501

237
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→ 0.7(3.2)
← 2.5(CORTLAND)
NJ25W
S → N
E

TO WTRM

020.45-1CSB-12'

021.84-1DGO-97'(NA)

023.73-1CSB-10'

TRACK
LAYOUT

LINE SEGMENT

3459

WATERWAY

MEADVILLE RD
262625V

MOSQUITO CK

ABLE RD
262627JWARREN RD
262628R

WATERWAY

MECCA
262629XMAIN ST
262630SMARKET ST
262631YPEARL ST
262632F

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

40

GRADE

+0.89

+0.58

0.7R

1.00

08/30/2007

406501

238
NILES SEC.

CP EAST WAR-LATIMER

PITTSBURGH

NJ25

NJ26

NJ27

NJ28

NJ29

NJ30

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-09/01

RAIL

68NW132S

68RW132S

68NW132S

68RW132S

TRAFFIC
DENSITY MGT

→ 0.7(3.2)
← 2.5

(JOHNSONS)
NJ28

W
S — N
E

026.32-1CSB-10'

026.94
026.96

TRACK
LAYOUT

LINE SEGMENT

3459

262633M
PHILLIPS-RICE RD

262634U
SR 305
WALNUT CRK

262637P
RT 11 SB
RT 11 NB
RIDGE RD

262639D
PRIVATE

1

262640X
SR 193

262641E
STODDARD RD

CURVATURE

ALIGNMENT

ELEVATION

0.7L

1.0L

1.1L

1.00

1.00

1.00

FREIGHT SPEED
TANGENT
(CURVE)

40

GRADE

-0.58

+0.66

-0.77

-1.03

-0.96

-1.05

08/30/2007

406501

239
NILES SEC.

CP EAST WAR-LATIMER

PITTSBURGH

NJ30

5280'

MAINTENANCE

T&S-09/01

RAIL

68RW132S

68RW132S

TRAFFIC
DENSITY MGT

0.7(3.2)

2.5

CP 38 (LATIMER)

W
S → N
E

030.17-1CSB-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

08/30/2007

402437

240

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

7420

(BOANNA)

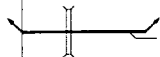
(VAN WYE)

W
S → N
E

VD-0.0=RZ-12.42

000.18-TGB-44'

VD-0.50=NJ-12.32

TRACK
LAYOUT

LINE SEGMENT

3621

PARK AVE EXT

CURVATURE

ALIGNMENT

1.8L
2.7L
1.00
1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

0.00

08/30/2007

241

402439

GEM.I.T.

SOAPTOWN-GOODMAN

PITTSBURGH

JO0

JO1

JO2

5280'

5280'

1056'

MAINTENANCE

T&S-06/91

RAIL

93RW132S 64NJ100S

93RW112S

93RW132S 64NJ100S

93RW112S

TRAFFIC
DENSITY MGT

1.1(2,3)
1.2

7422

(SOAPTOWN)

(GOODMAN)

(LORDSTOWN YD)

(GOODMAN YD)

JO1

JO2

S
E → W
N

TRACK
LAYOUT

JO-0.04/RZ-15.74

000.07-1CSB-50'

001.75

JO-0.04/RZ-15.34

LINE SEGMENT

3549

CATFISH CREEK

SR 45

913014F
ELLSWORTH BAILEY
TO CSX

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

6.0R

2.9L

7.0R

7.0L

1.00

1.00

1.00

1.00

10

+0.46

0.00

+0.33

+0.13

08/30/2007

402445

242
BENTON I.T.

CP ALLIANCE-ALLIANCE YAR

PITTSBURGH

JE23

JE24

5280'

5280'

5280'

MAINTENANCE

RAIL

28NJ105S

26NJ105S

28NJ105S

26NJ105S

TRAFFIC
DENSITY MGT

2290



TRACK
LAYOUT

LINE SEGMENT

3543

CP ALLIANCE
(ALLIANCE YD)

024 18-1 TTD-96'

JE-24 70-RD-67.30



MAHONING RIVER

3RD ST

CURVATURE

ALIGNMENT

ELEVATION

1.00 0.9L

1.00 1.8R 2.0L

1.00 3.5L 1.00 5.5R 1.00 15.0L

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+1.05

-1.04

-0.78

-0.47

0.00

+0.54

08/30/2007

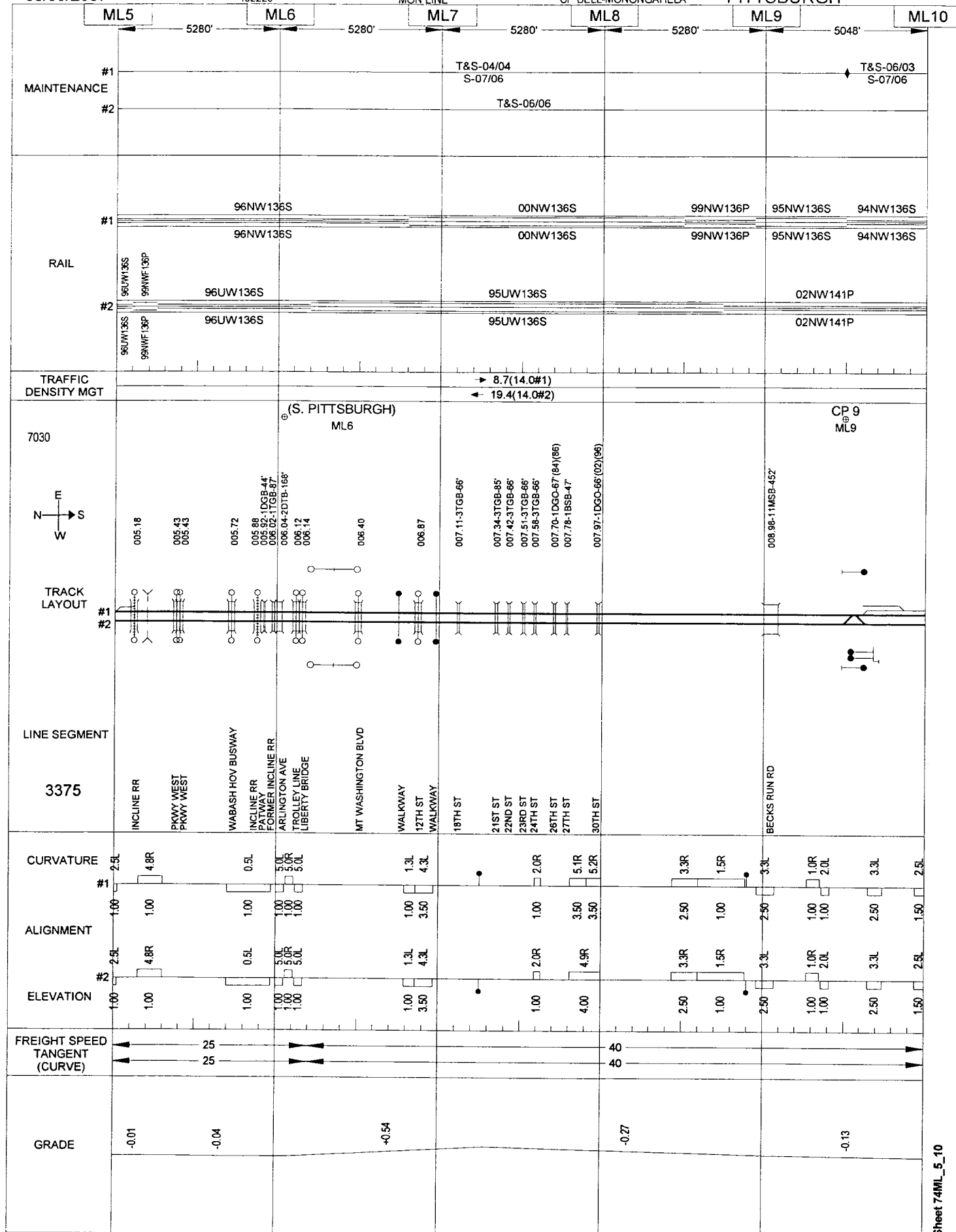
402220

244

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



08/30/2007

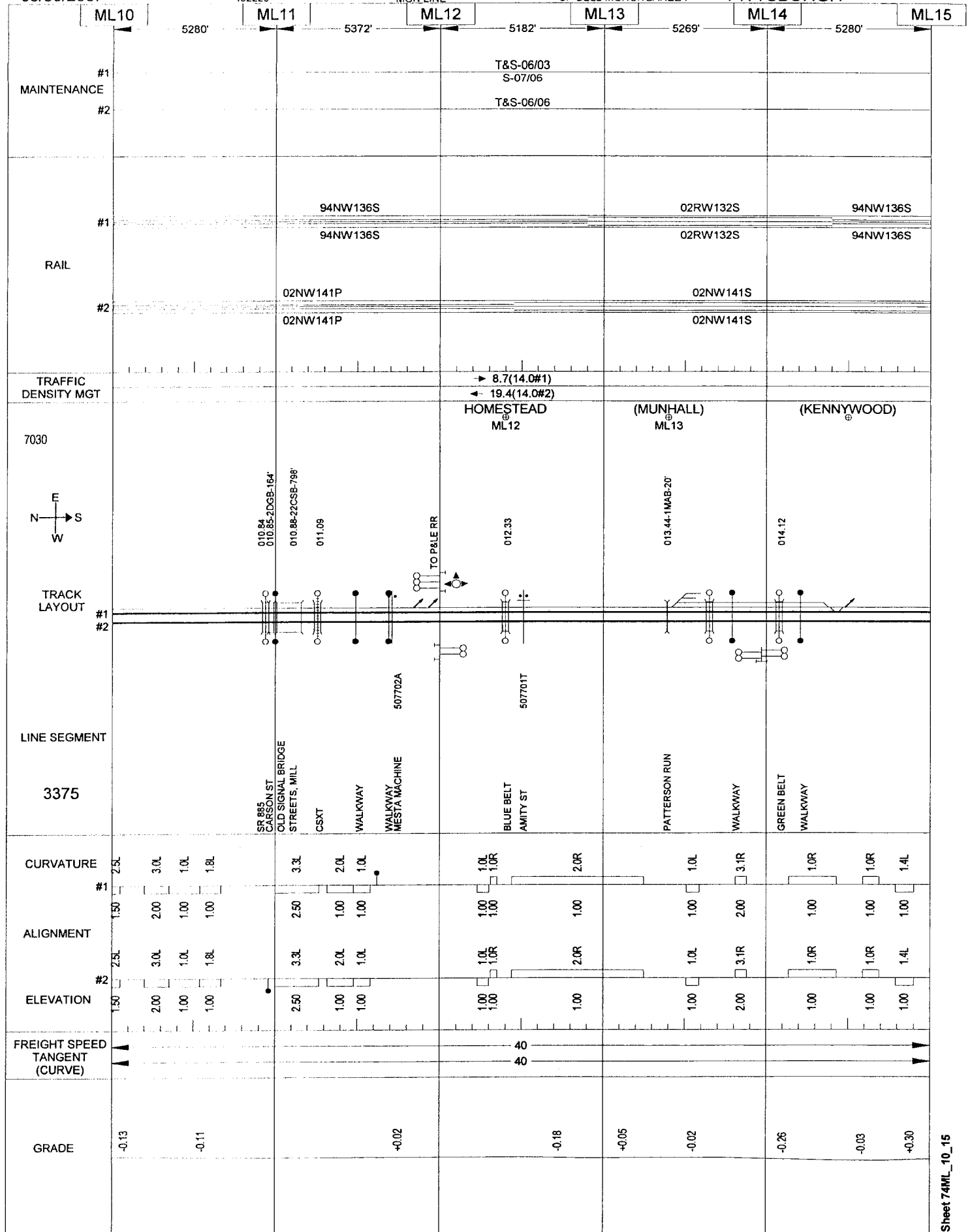
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245

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



08/30/2007

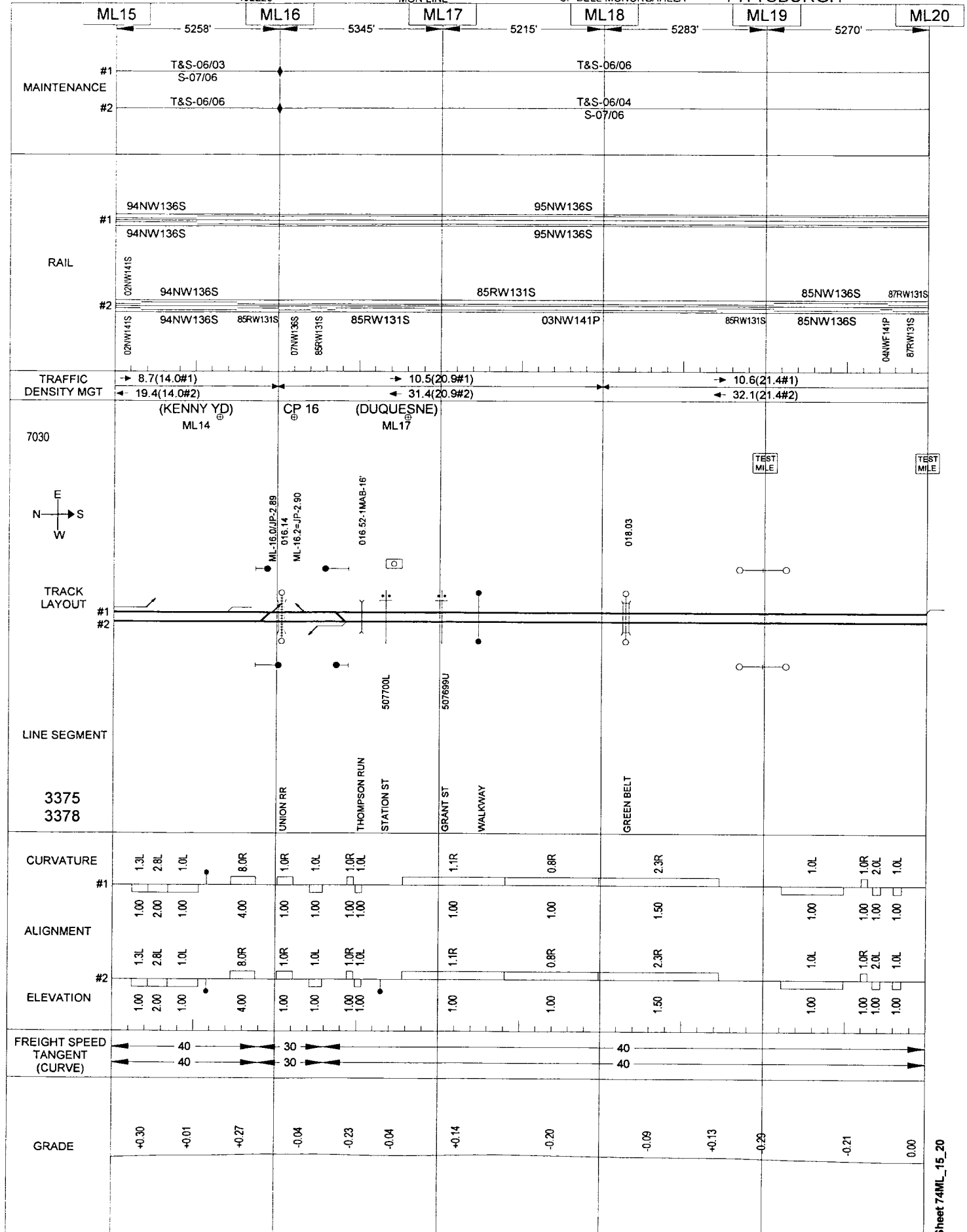
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246

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



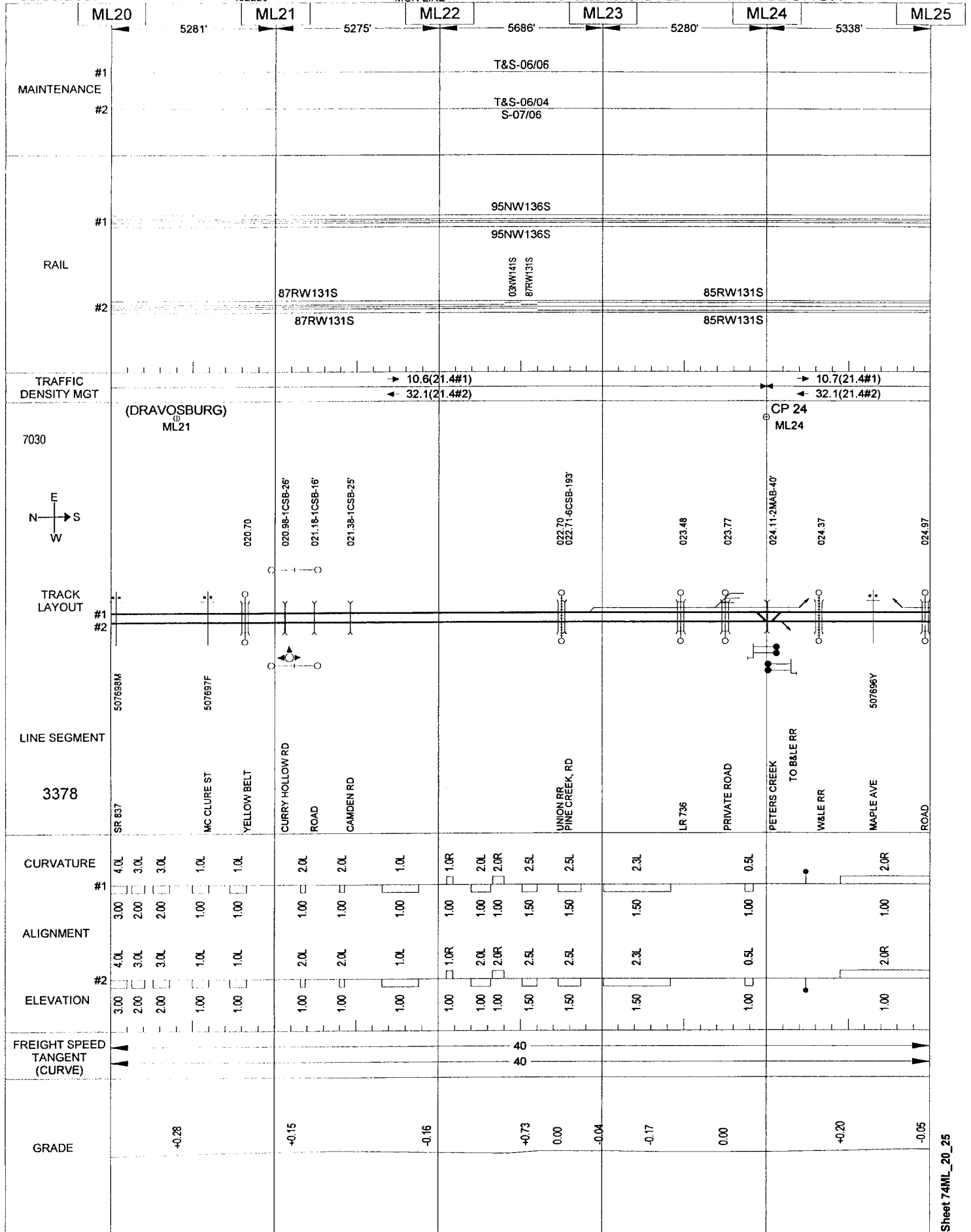
08/30/2007

247

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



08/30/2007

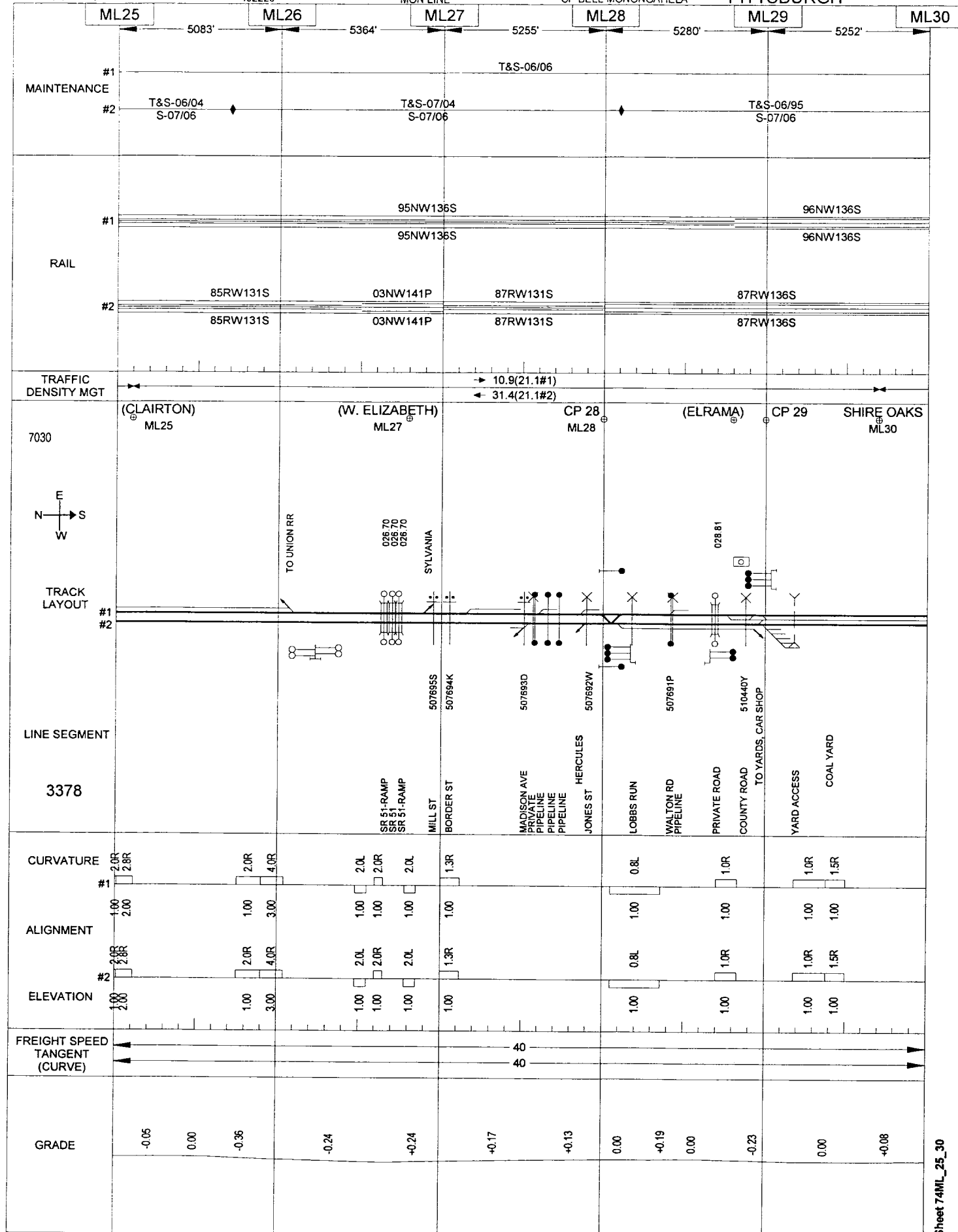
402220

248

MON LINE

CP BELL-MONONGAHELA

PITTSBURGH



08/30/2007

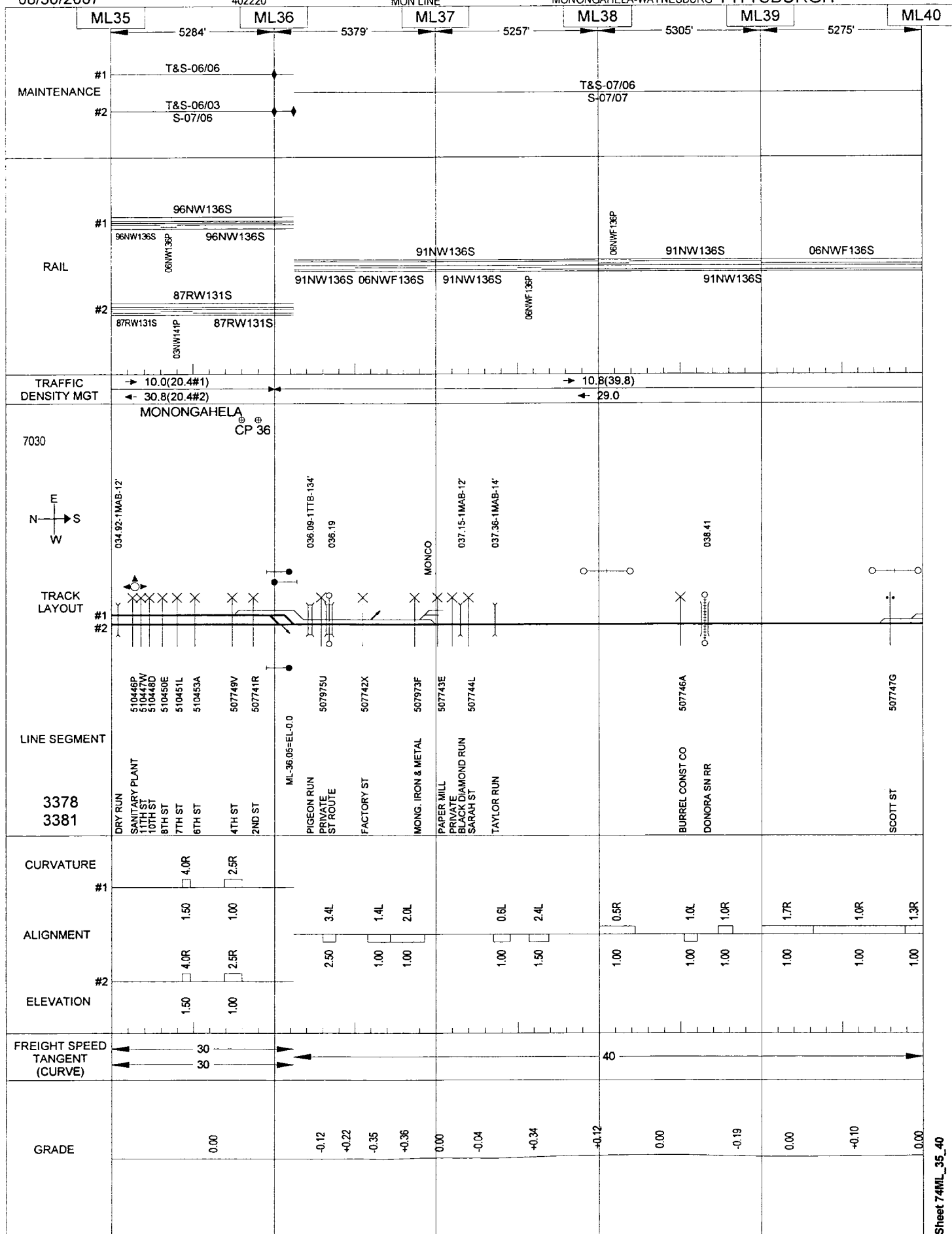
402220

250

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH



08/30/2007

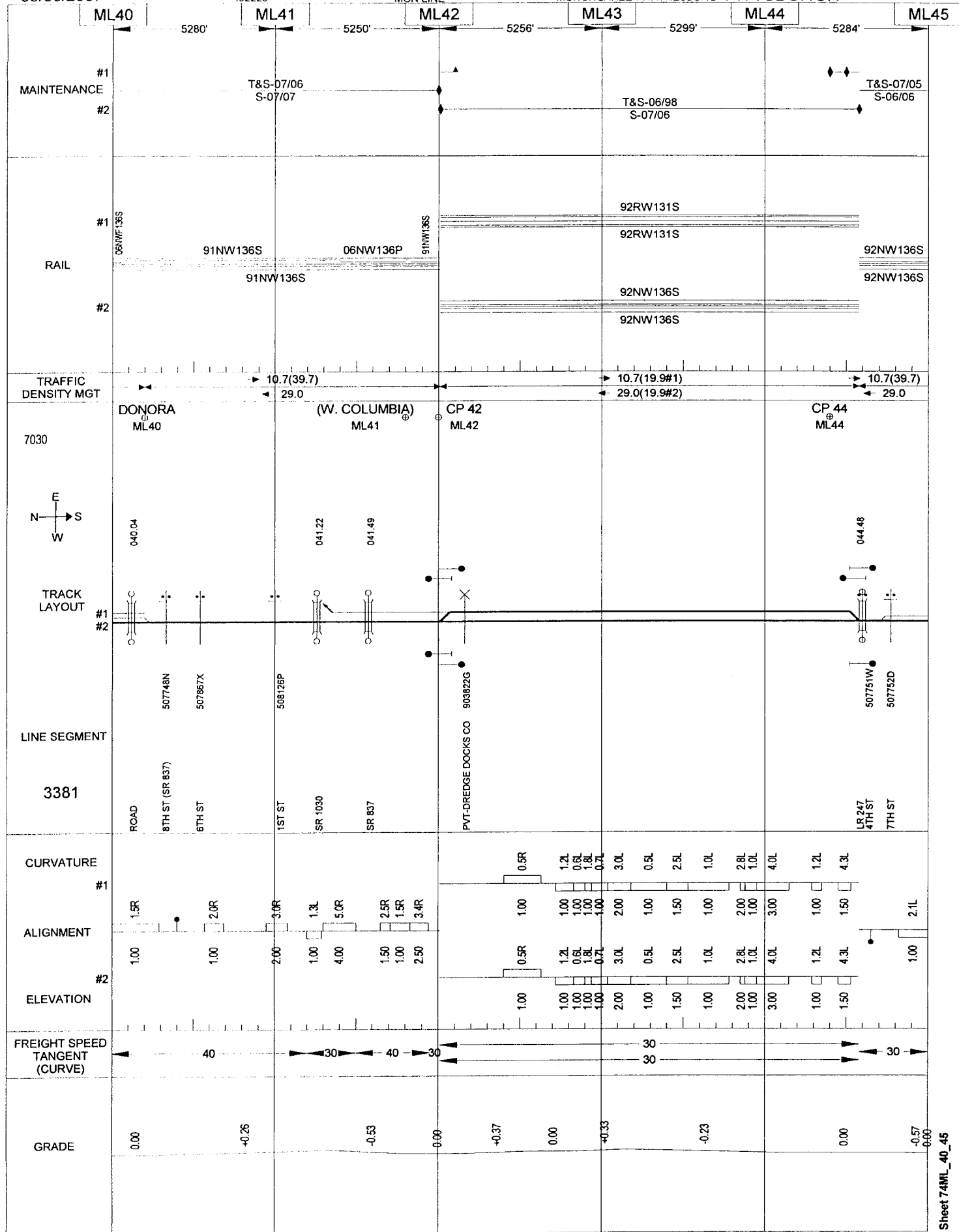
402220

251

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH



08/30/2007

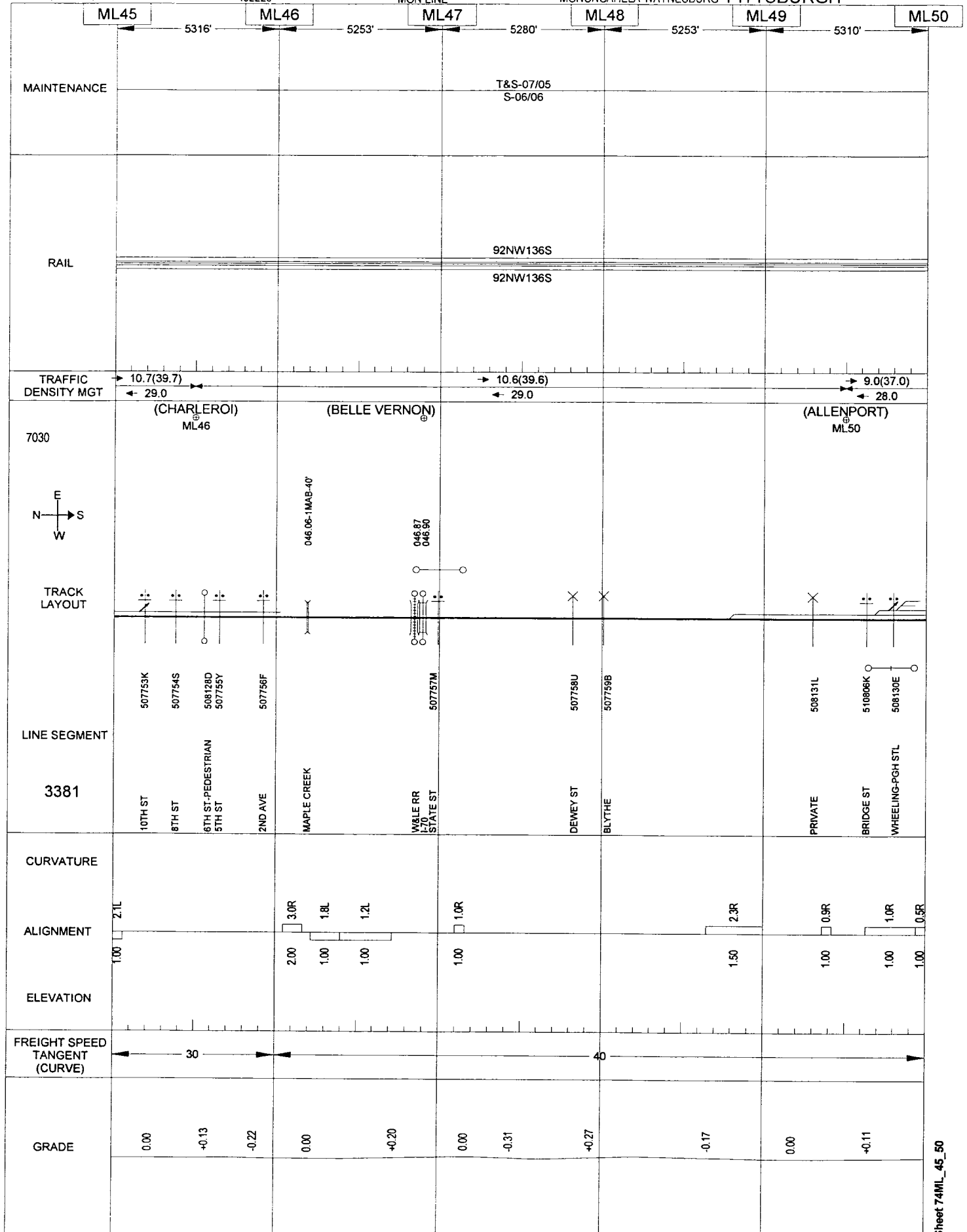
402220

252

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH



08/30/2007

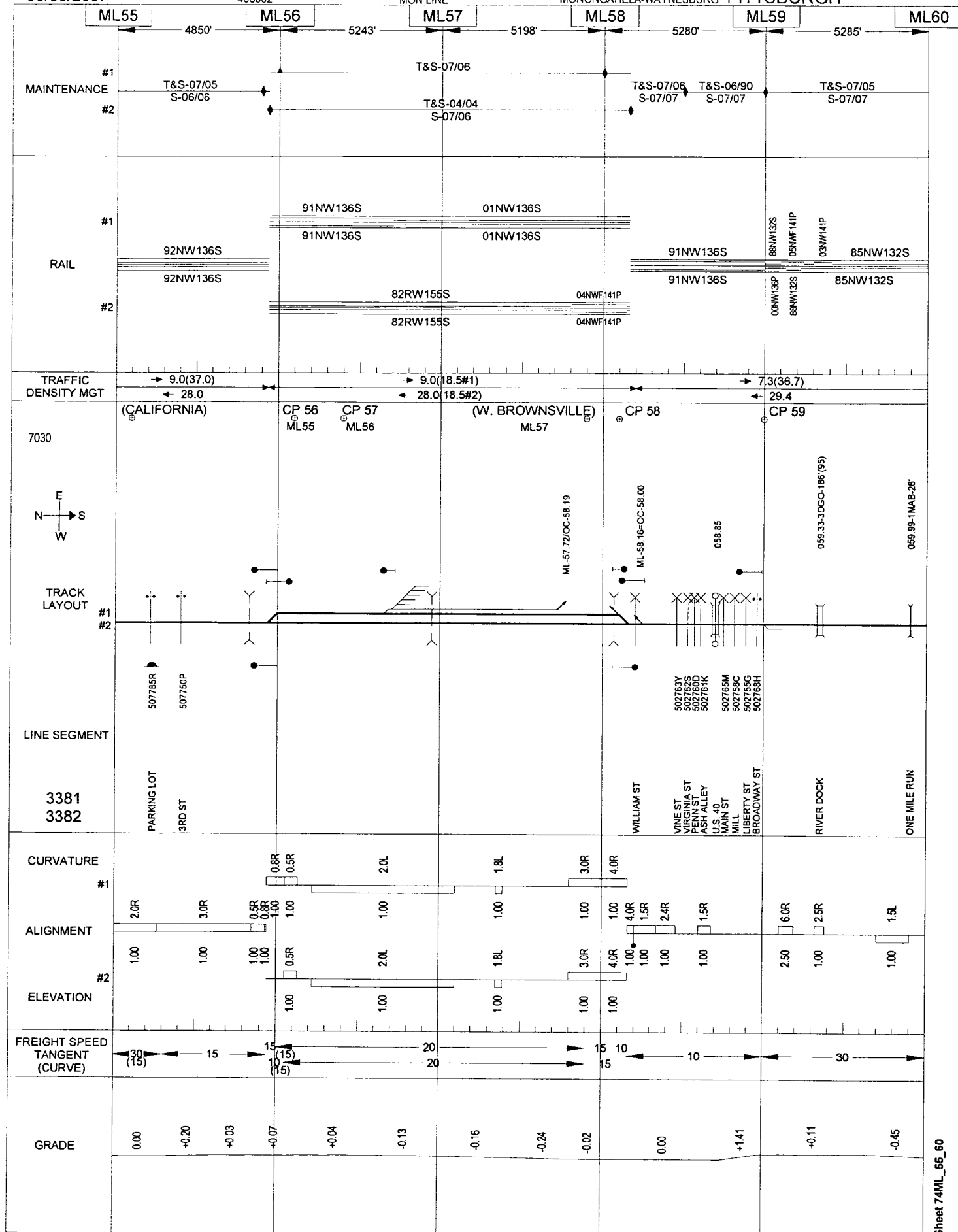
408002

254

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH



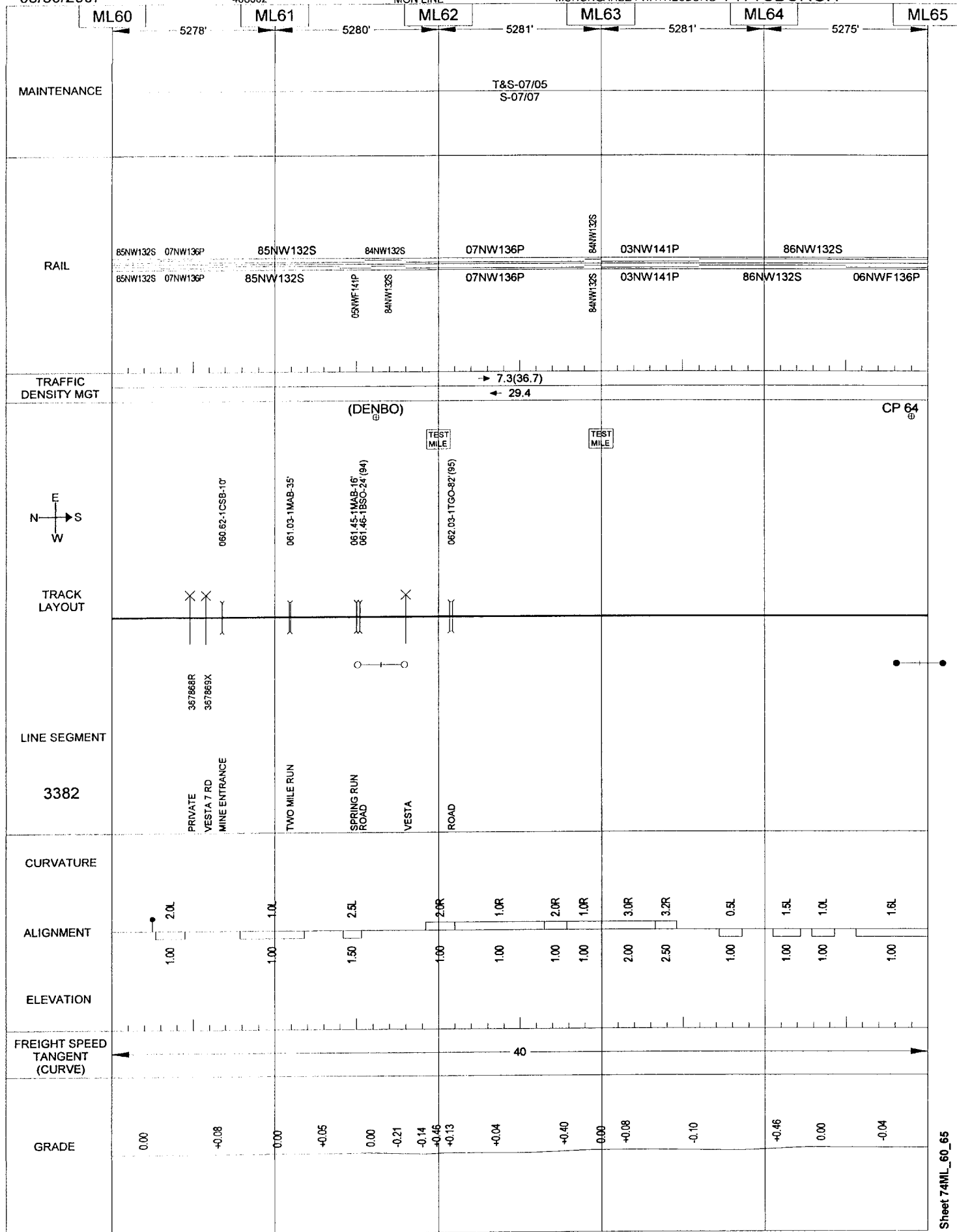
08/30/2007

408002

255

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



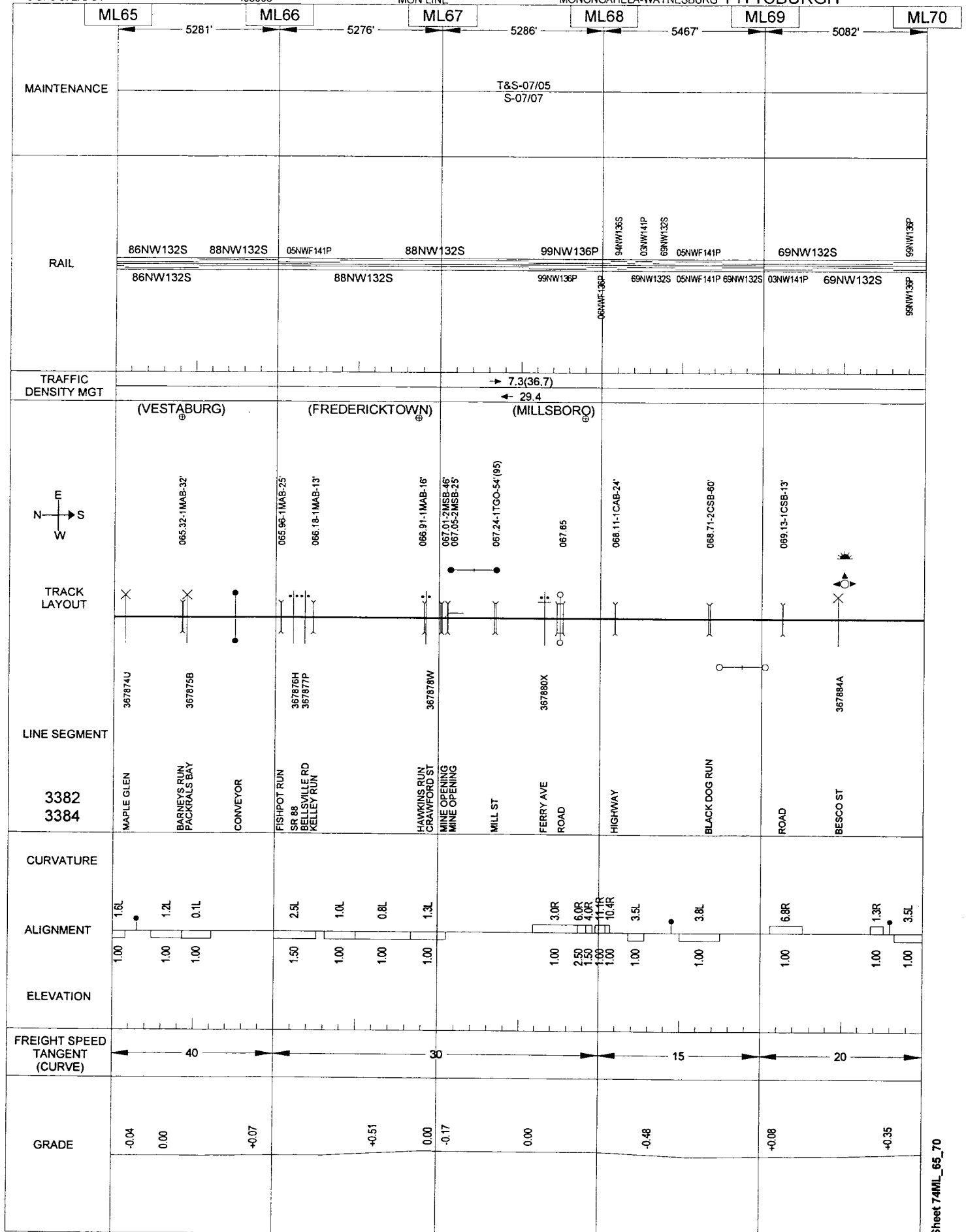
08/30/2007

408003

256

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



PITTSBURGH

ML75

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

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

RAIL

TRAFFIC DENSITY MGT

7.3(18.3#1)
29.4(18.3#2)

→ 7.3(36.7)

TRACK LAYOUT

LINE SEGMENT

3384

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

Sheet 74ML_70_75

08/30/2007

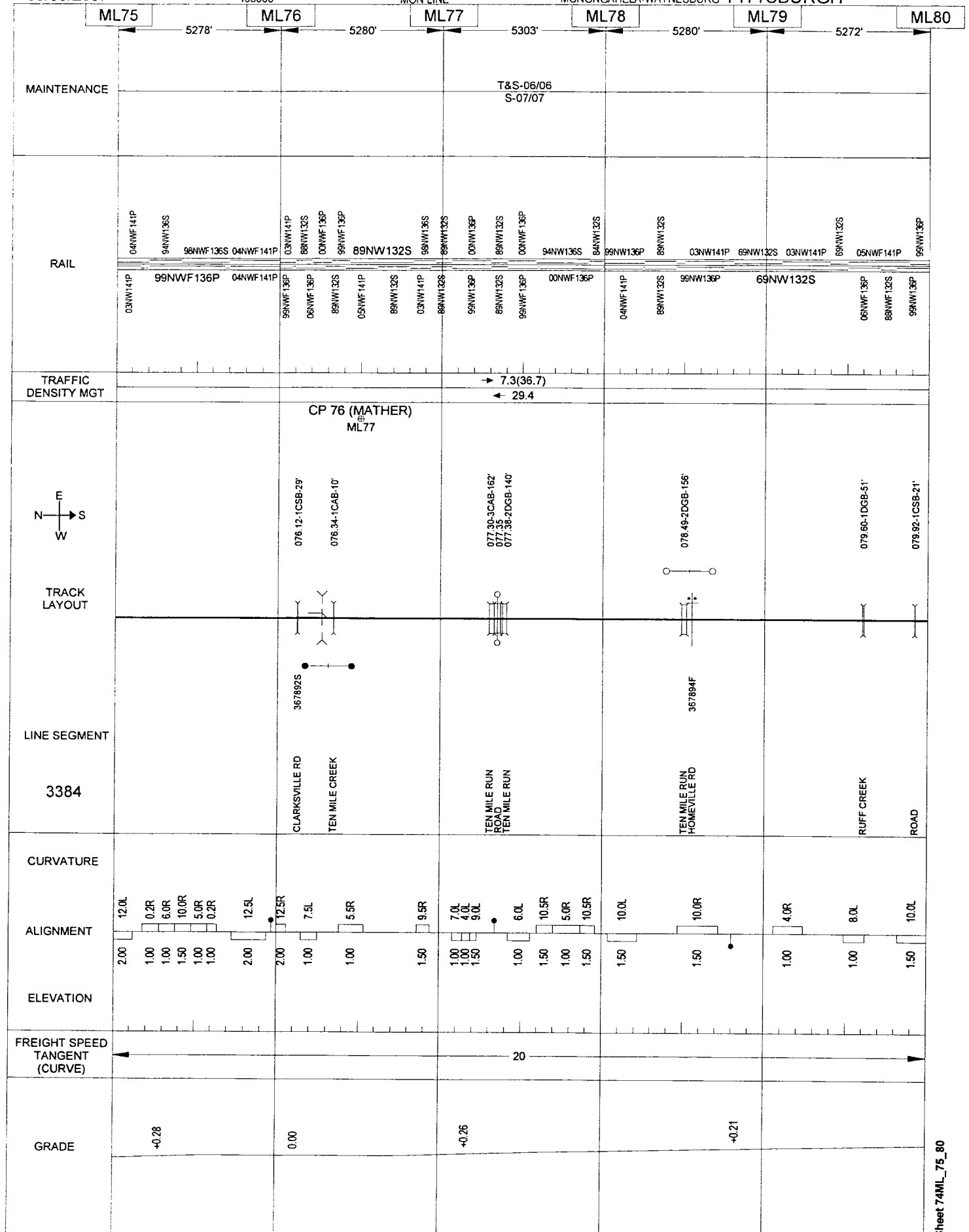
408003

258

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH

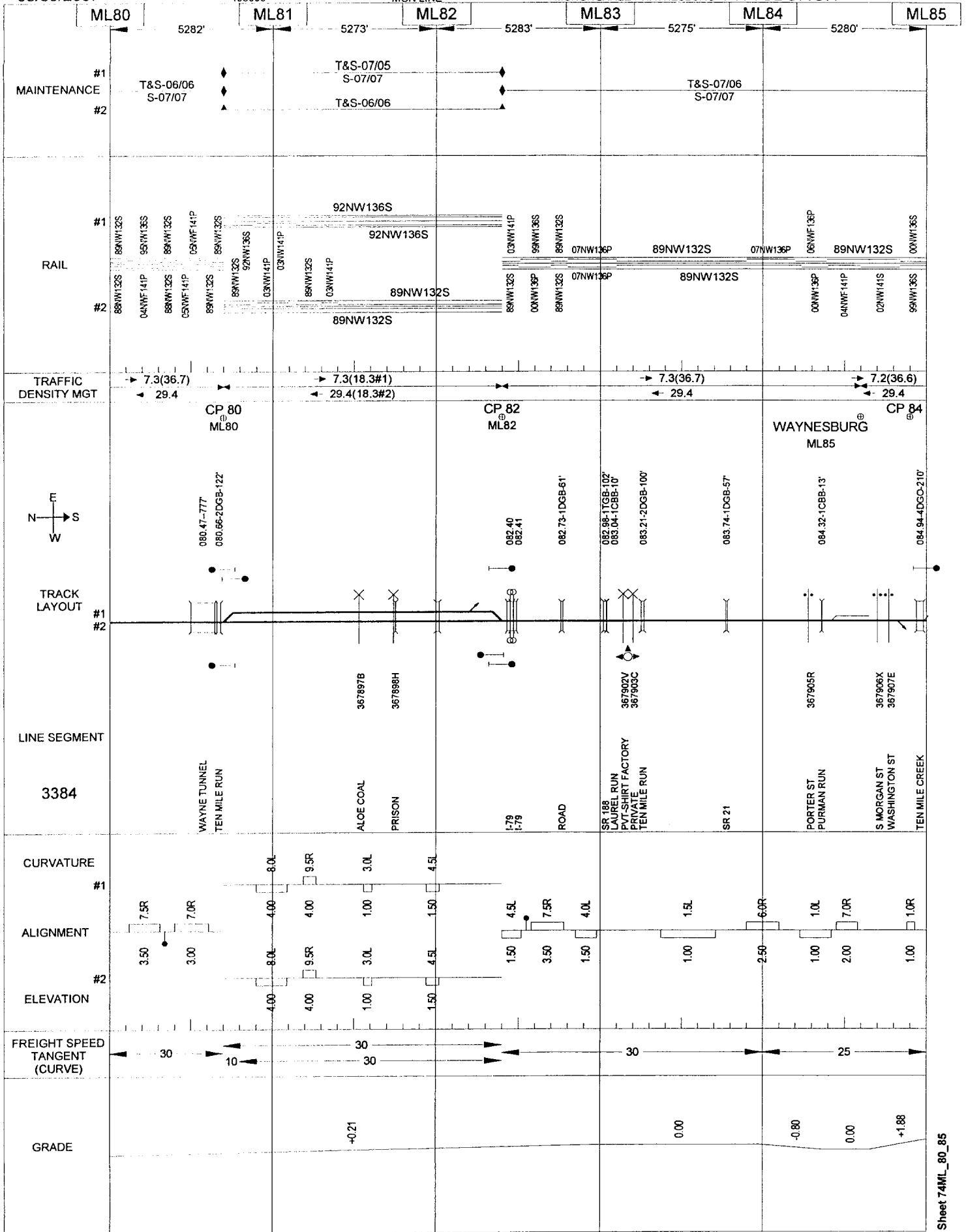


08/30/2007

259

MON LINE

MONONGAHELA-WAYNESBURG PITTSBURGH



08/30/2007

408003

260

MON LINE

MONONGAHELA-WAYNESBURG

PITTSBURGH

ML85

5280'

MAINTENANCE

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

RAIL

07NW136P

03NW141P

99NW136S

07NW136P

01NW136P

88NW132S

99NW136S

TRAFFIC
DENSITY MGT

→ 7.2(36.6)
← 29.4

CP 85
ML86

N
E
S
W

TRACK
LAYOUT

ML-85 80-WY-1.10

LINE SEGMENT

3384

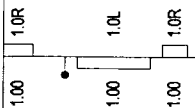
MINE RD

ML-85 75-0-0-M/G

CURVATURE

ALIGNMENT

ELEVATION



FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE

+1.88

08/30/2007

408004

261
WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH

WY2

WY3

WY4

WY5

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-11/05
S-07/07

RAIL

88NW132S 96RW131S 06NWF136P 67NW115S 00NW136P 07NW132P 00NW136P 06NWF136P 67NW115S 96RW131S 07NW132P 92NW136S 96RW131S 04NWF132S 67NW115S 01NW136P 67NW115S 94NW132S

88NW132S 96RW131S 67NW115S 92NW136S 07NW132P 07NW115S 67NW115S 96RW131S 07NW132P 92NW136S 96RW131S 04NWF132S 67NW115S 94NW132S

TRAFFIC
DENSITY MGT2.0(9.6)
7.6

CP 85

EVE

E
N → S
W

TRACK
LAYOUT

WY-1.10=ML-35.80

003.28-6 DGO-337' (67)

003.56-5 DGO-260' (92)

LINE SEGMENT

3363

PVT-GAS COMPANY 367909T

MW&S ACCESS

LP 30090 PRIVATE

TEN MILE CREEK

HEATH 367912B

E CLIFF FARM 367913H

CURVATURE

ALIGNMENT

10.0L 3.0R 5.0R 5.0L 10.0L 7.0R 4.5R 7.0R 10.0R 4.0L 6.0L 7.0L 9.0R 5.0R 4.5L

3.00 1.00 1.00 1.00 3.00 2.00 1.00 2.00 3.00 1.00 1.50 2.00 2.50 1.00 1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE

+0.08 +0.11 -0.16 -0.50 -0.11 -0.77 +0.40

08/30/2007

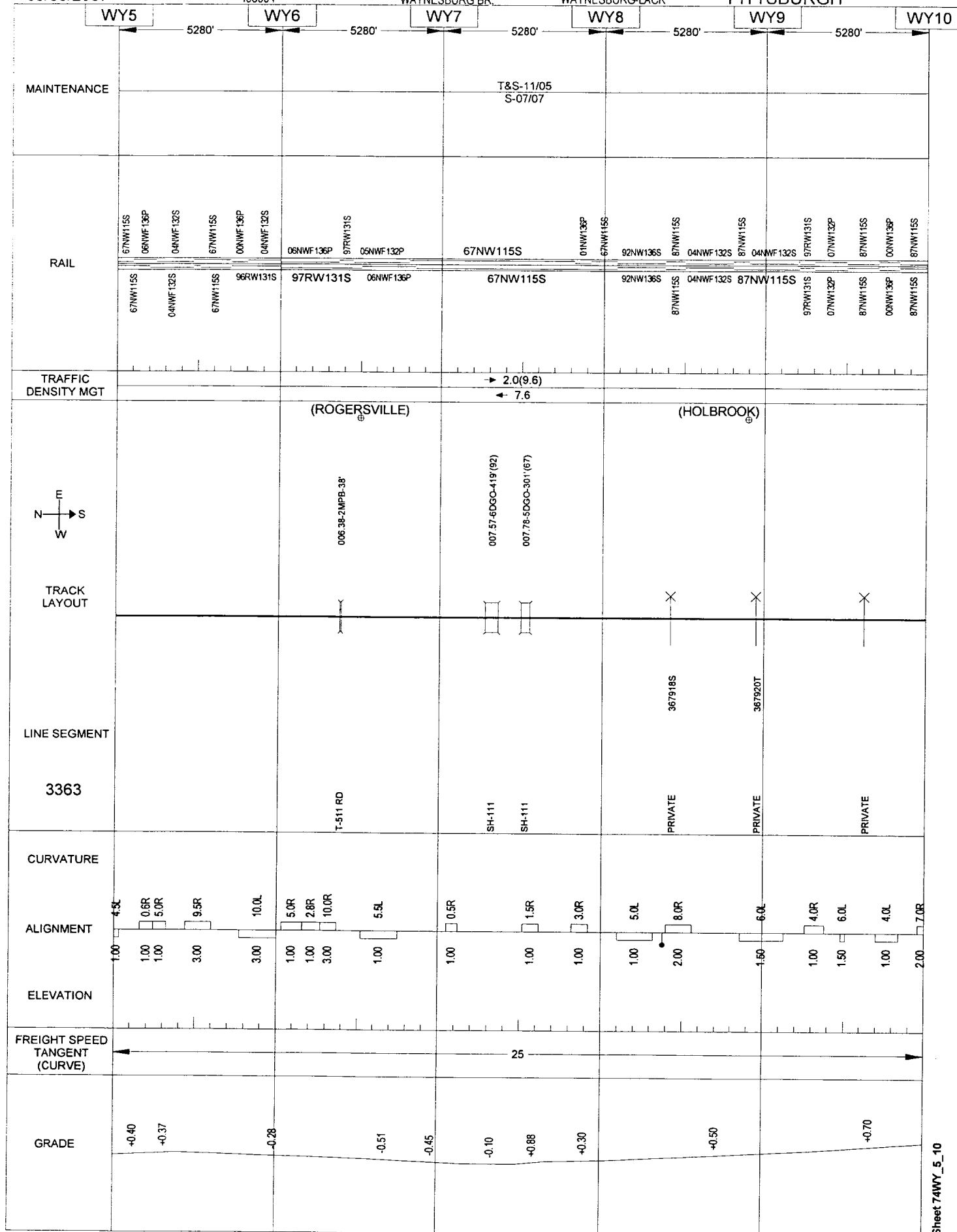
408004

262

WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH



08/30/2007

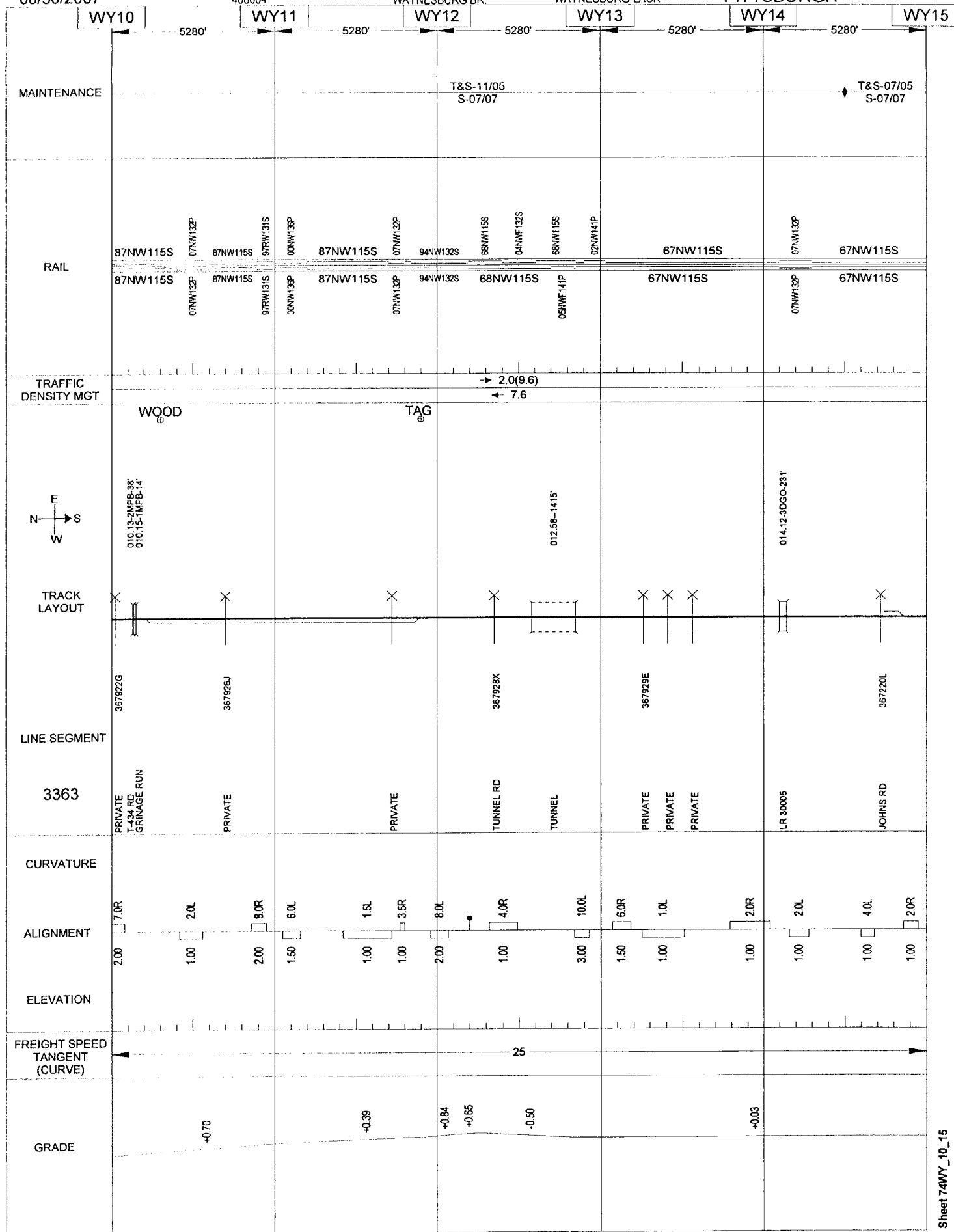
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263

WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH



08/30/2007

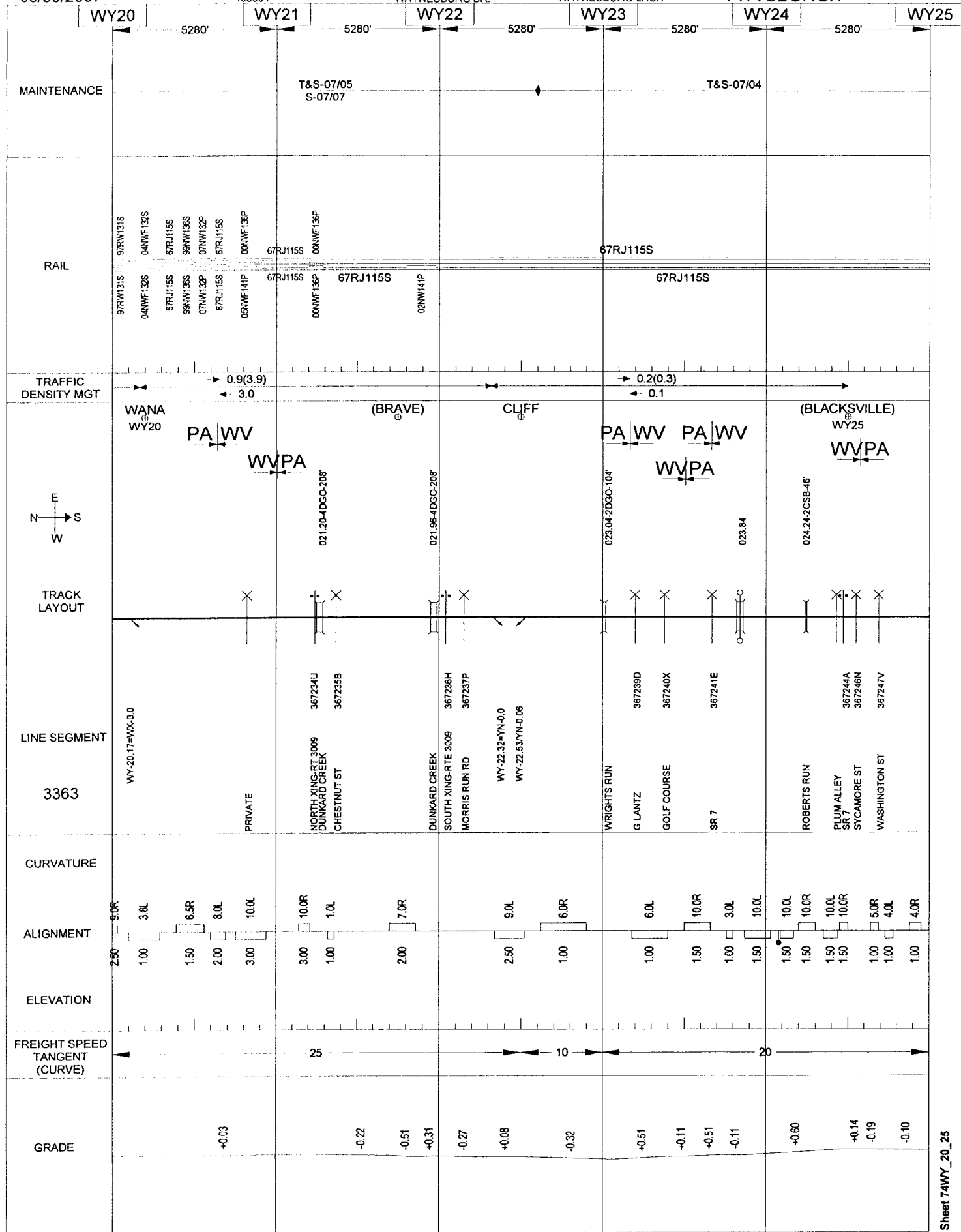
408004

265

WAYNESBURG BR.

WAYNESBURG-LACK

PITTSBURGH



08/30/2007

408004

266

BLACKSVILLE I.T.

LACK-END

PITTSBURGH

WY25

WY26

WY27

5280'

5280'

5280'

MAINTENANCE

T&S-07/04

RAIL

67RJ115S

28NJ136S

67RJ115S

28NJ136S

TRAFFIC
DENSITY MGT

PA|WV

LACK (BLAONE)
XB28

PA|WV

WV|PA

E
N → S
WTRACK
LAYOUT

LINE SEGMENT

3363

COAL TIPPLE

EQUIT GAS

PRIVATE

CURVATURE

ALIGNMENT

10.0R

5.5L

5.3L

1.8L

10.0L

4.0R

10.0R

3.0R

2.0R

1.50

1.00

1.00

1.00

1.00

1.50

1.00

1.50

1.00

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

20

GRADE

+0.53

-0.28

-0.10

-0.31

0.00

08/30/2007

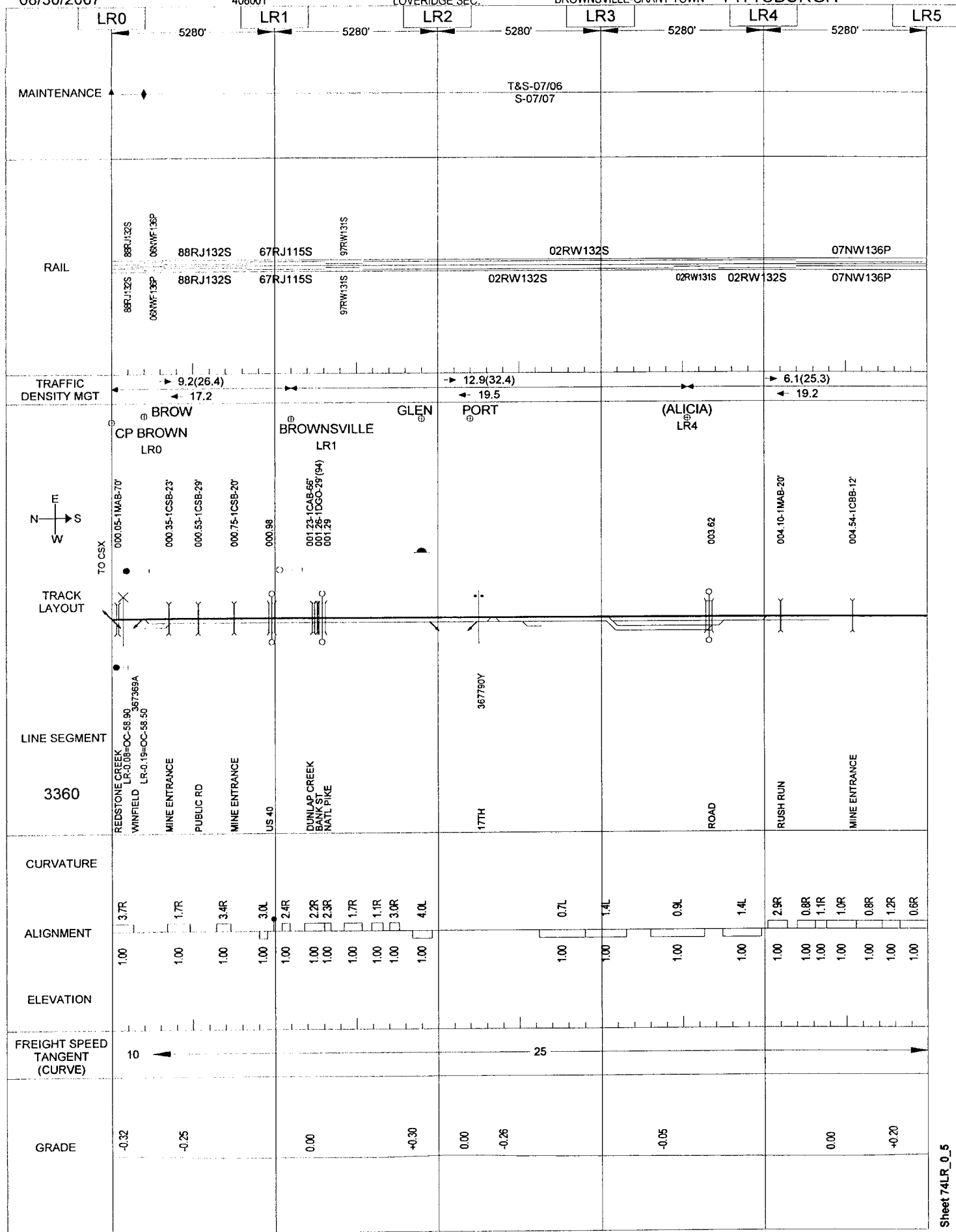
408001

267

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

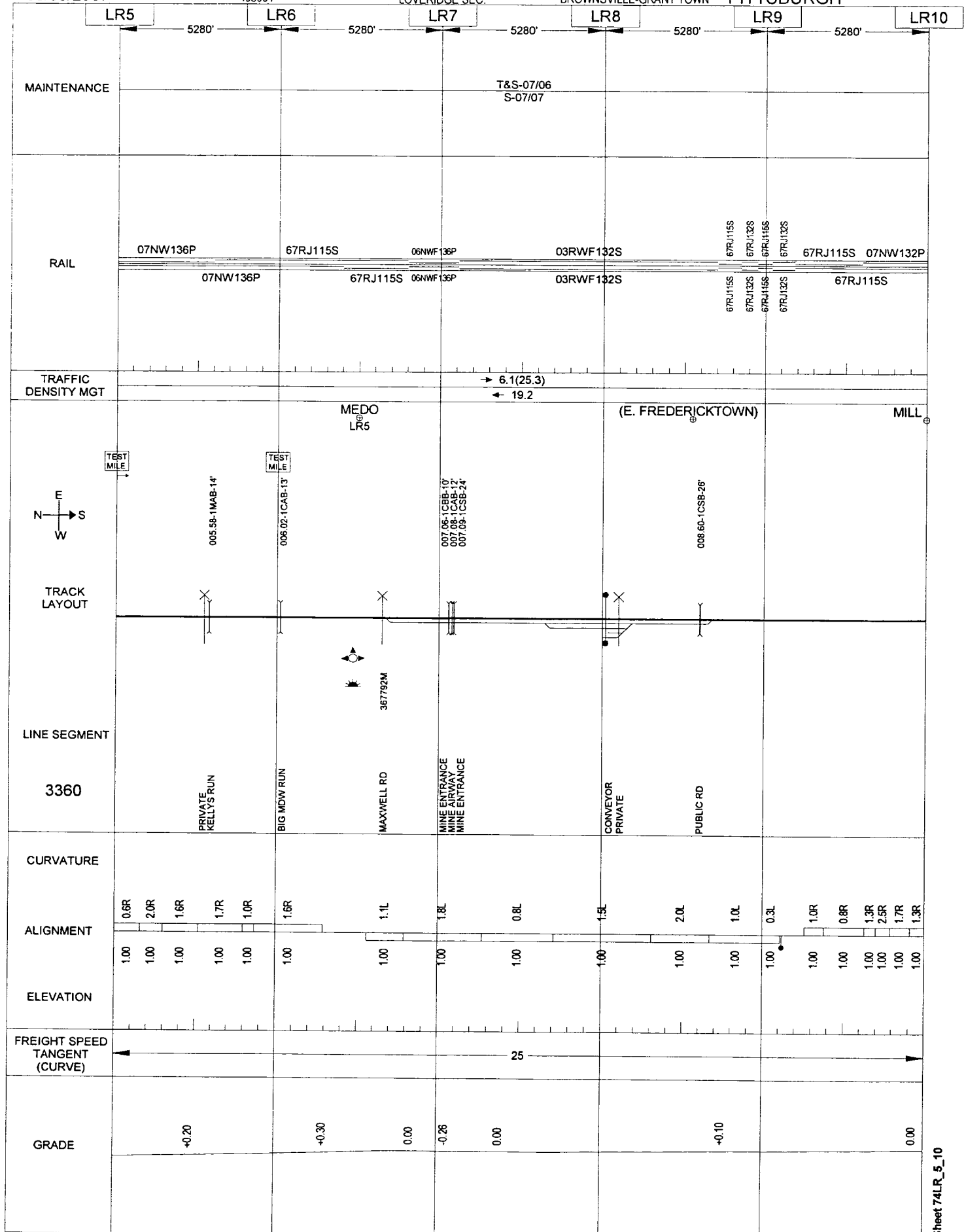
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268

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

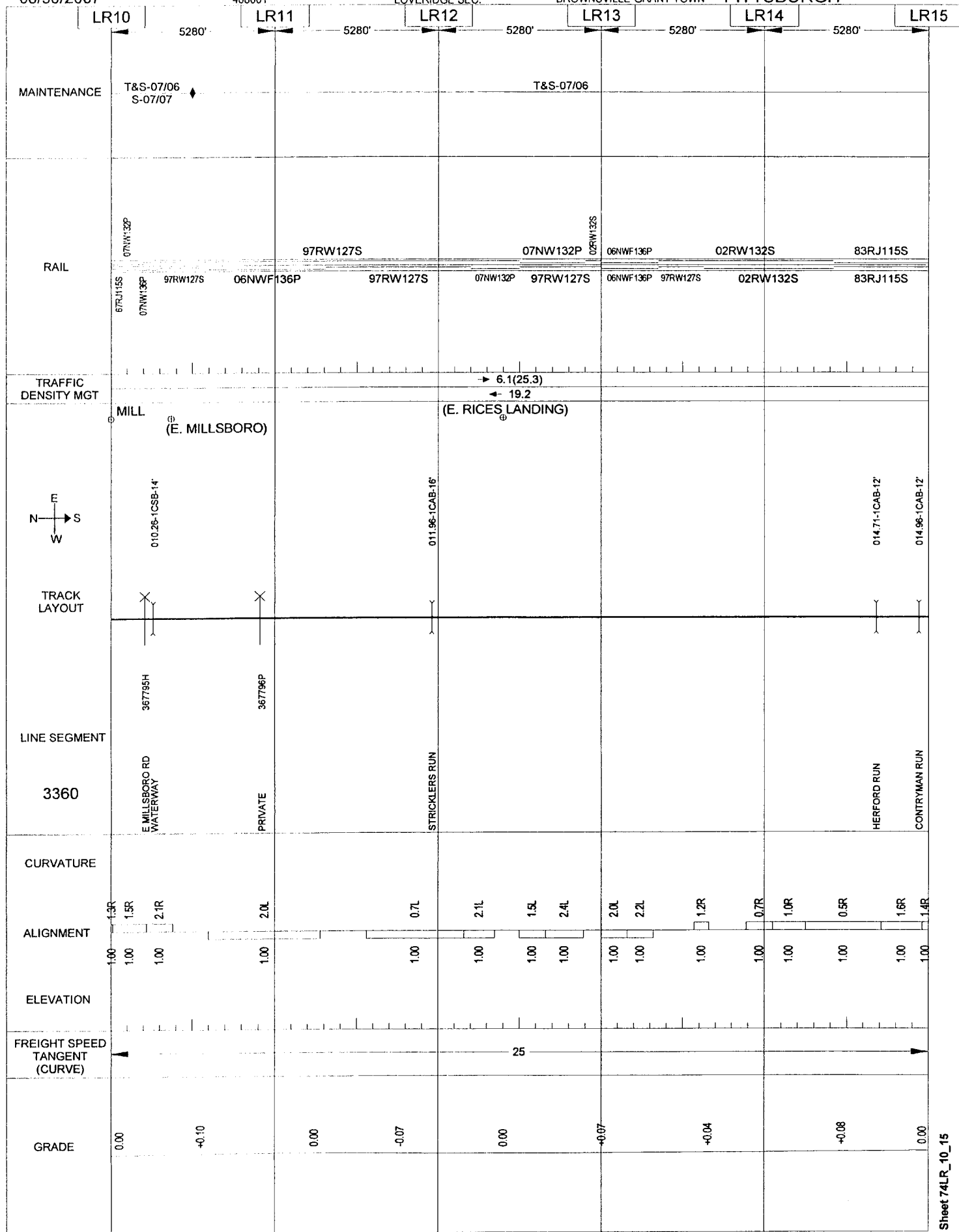
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269

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

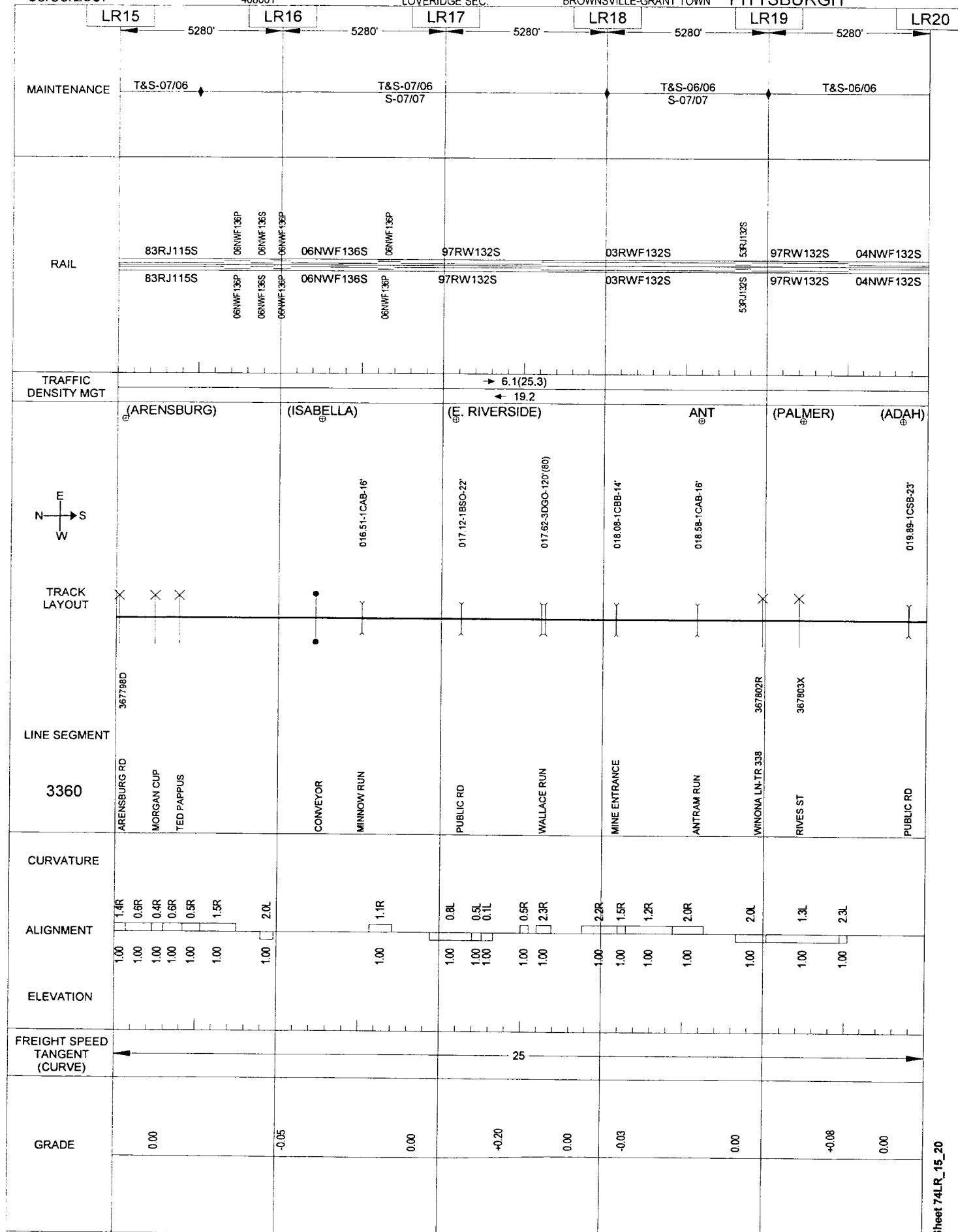
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270

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

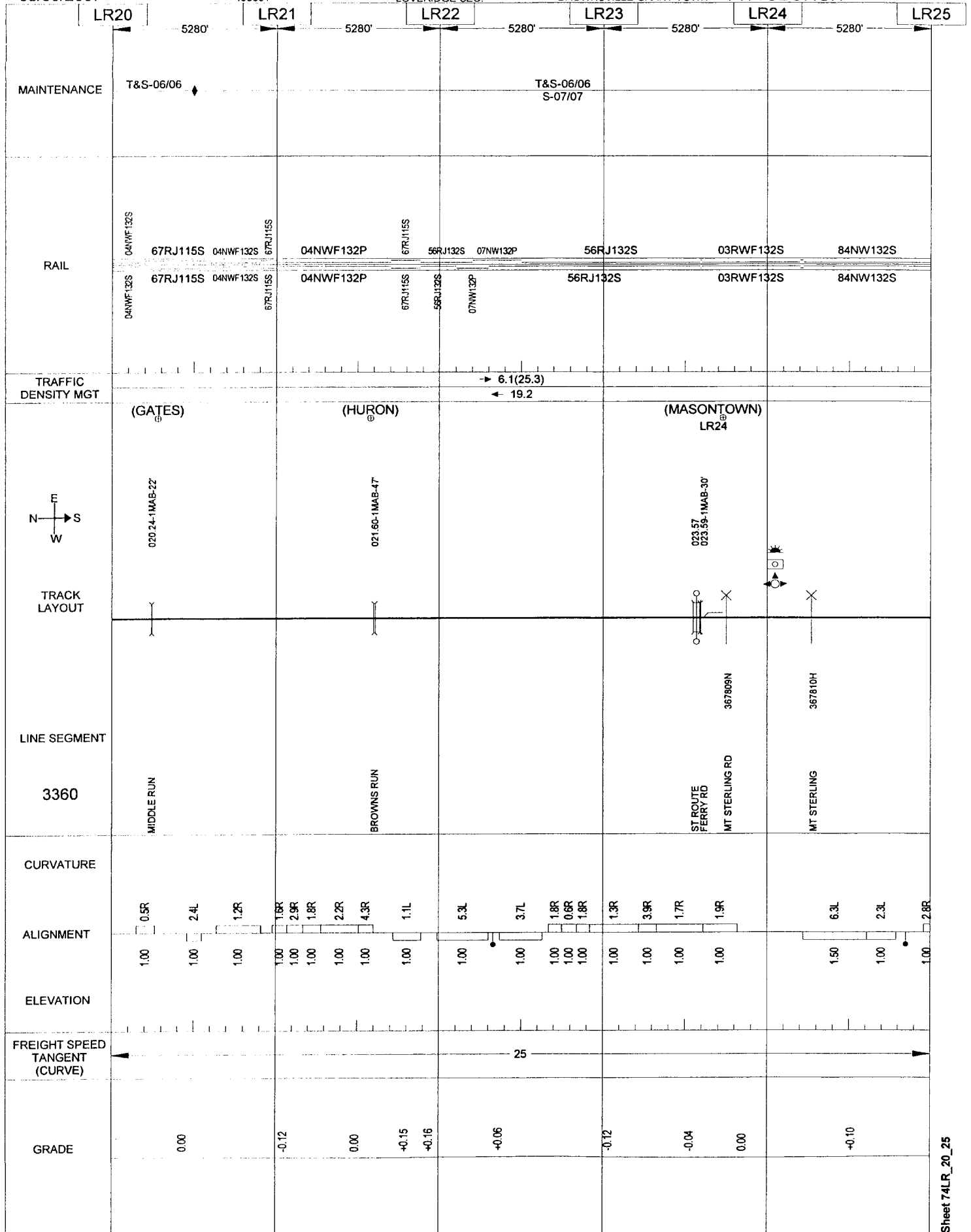
408001

271

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

408001

272

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH

LR25

LR26

LR27

LR28

LR29

LR30

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

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

RAIL

84NW132S

49N132S

63NW132S

56NW132S

56NW132S

03RWF132S

97RW131S

84NW132S

63NW132S

56NW132S

56NW132S

03RWF132S

97RW131S

TRAFFIC
DENSITY MGT

→ 6.1(25.3)
← 19.2

GRAY

MAR

(NEW GENEVA)



025.72-1CSB-12'
025.81-1CAB-12'

027.45-1CAB-22'

029.03-1CBB-18'

029.26-3DGB-255'

TRACK
LAYOUT

LINE SEGMENT

3360

CONSOL COAL
CATS RUN

LOCK & DAM

36781SS
LOWER MARTIN RD
JACOBS CREEK

FERRY ST

GEORGES CREEK

CURVATURE

ALIGNMENT

2.8R

1.7R

2.0R

0.7L

0.8L

1.1L

1.0L

1.5R

2.0R

1.8R

2.5R

3.5R

2.8L

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

10

25

GRADE

-0.10

0.00

-0.30

0.00

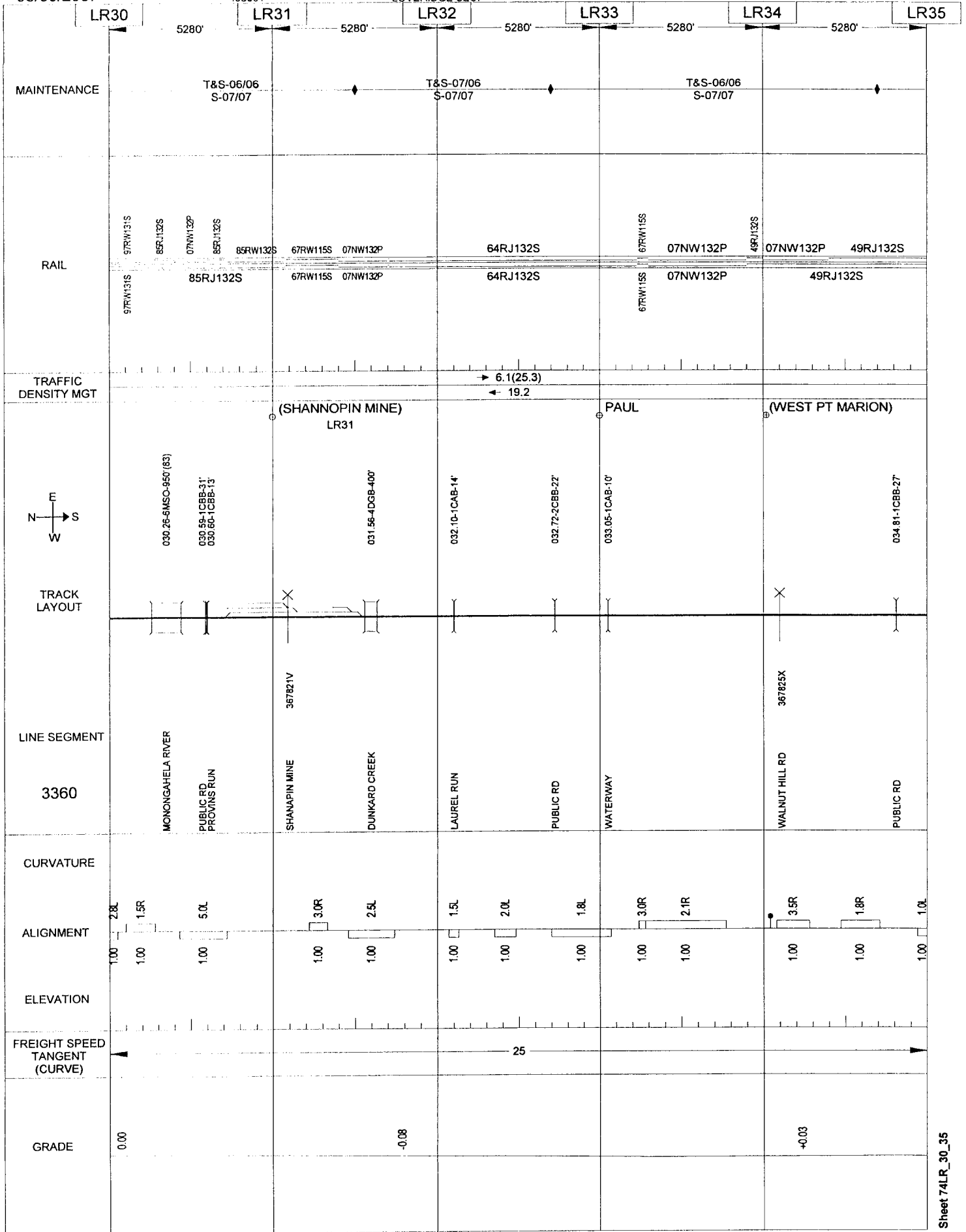
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408001

273
LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

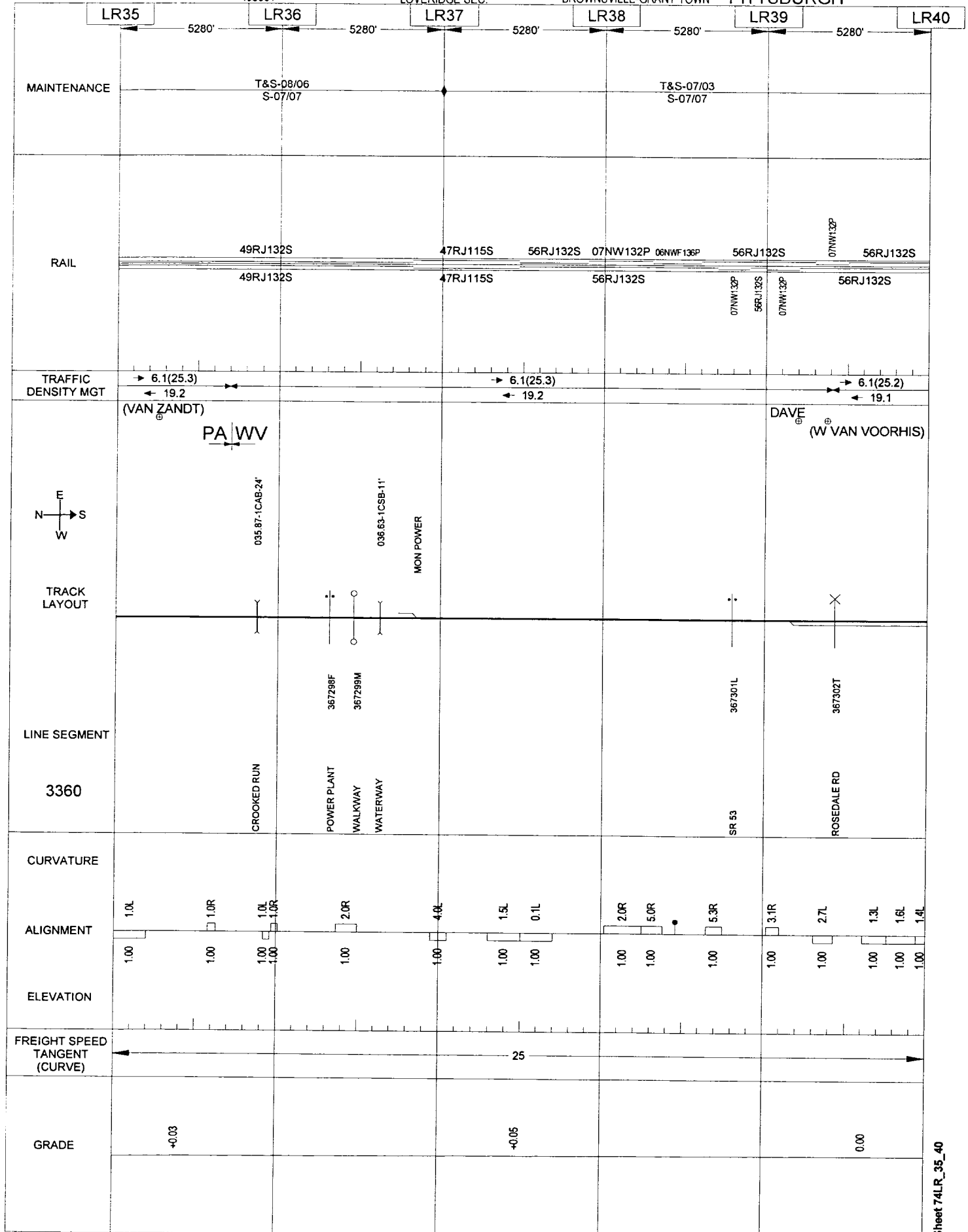
408001

274

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

408001

275

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH

LR40

LR41

LR42

LR43

LR44

LR45

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-07/03
S-07/07T&S-07/03
S-07/07T&S-07/03
S-12/06

RAIL

56RJ132S

07NW132P

46RJ112S

07NW132P

46RJ112S

56NW132S

56NW115S

06NW132P

56RJ132S

07NW132P

46RJ112S

07NW132P

46RJ112S

56NW132S

56NW115S

06NW132P

TRAFFIC
DENSITY MGT

6.1(25.2)

19.1

6.0(25.1)

19.1

(MAIDSVILLE)
LR42

RAN (RANDALL)



040.51-2CSB-62'

041.41-1CAB-12'

042.02-3MSB-245'

042.21

043.55-50GB-276'

TRACK
LAYOUT

LINE SEGMENT

3360

CONVEYOR
ROBINSON RUN
HUMPHREY MINE

367304G

912838C

DUSNBRY RUN

ST HWY

RANDALL OVERPASS

PRIVATE

367308J

DENTS RUN RD

367310K

DENTS RUN

367311S

SCHLEY ST

367312Y

SR 100

GULF OIL

367313F

VANZ COAL

367314M

WVU BOOKSTORE

367316B

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

1.4L
1.001.7L
1.001.0L
1.001.0R
1.001.0L
1.001.5R
1.000.5L
1.001.0R
1.001.0L
1.005.0L
1.001.3L
1.001.5L
1.002.5R
1.001.5R
1.003.3R
1.00

25

-0.05

+0.15

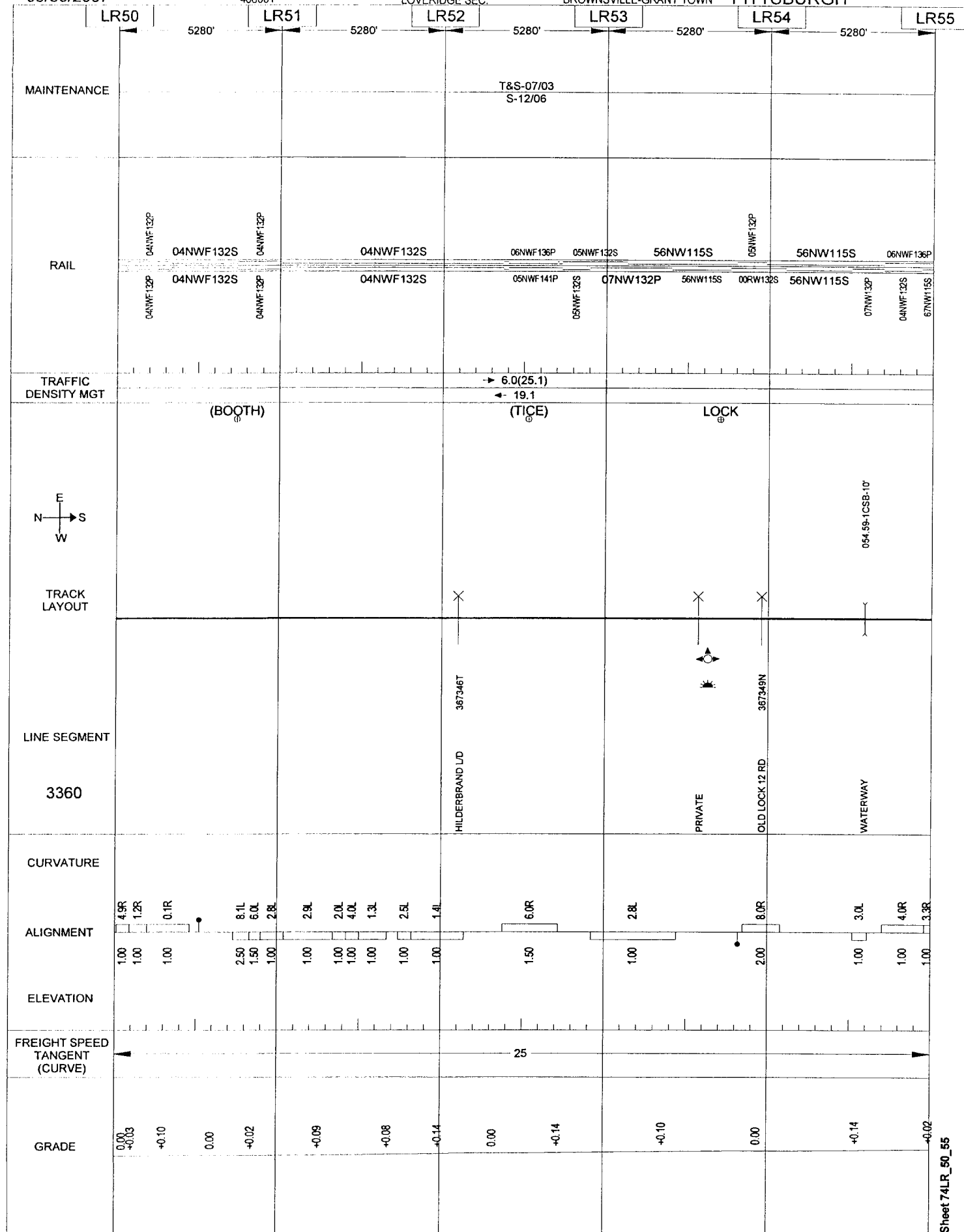
08/30/2007

408001

277
LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

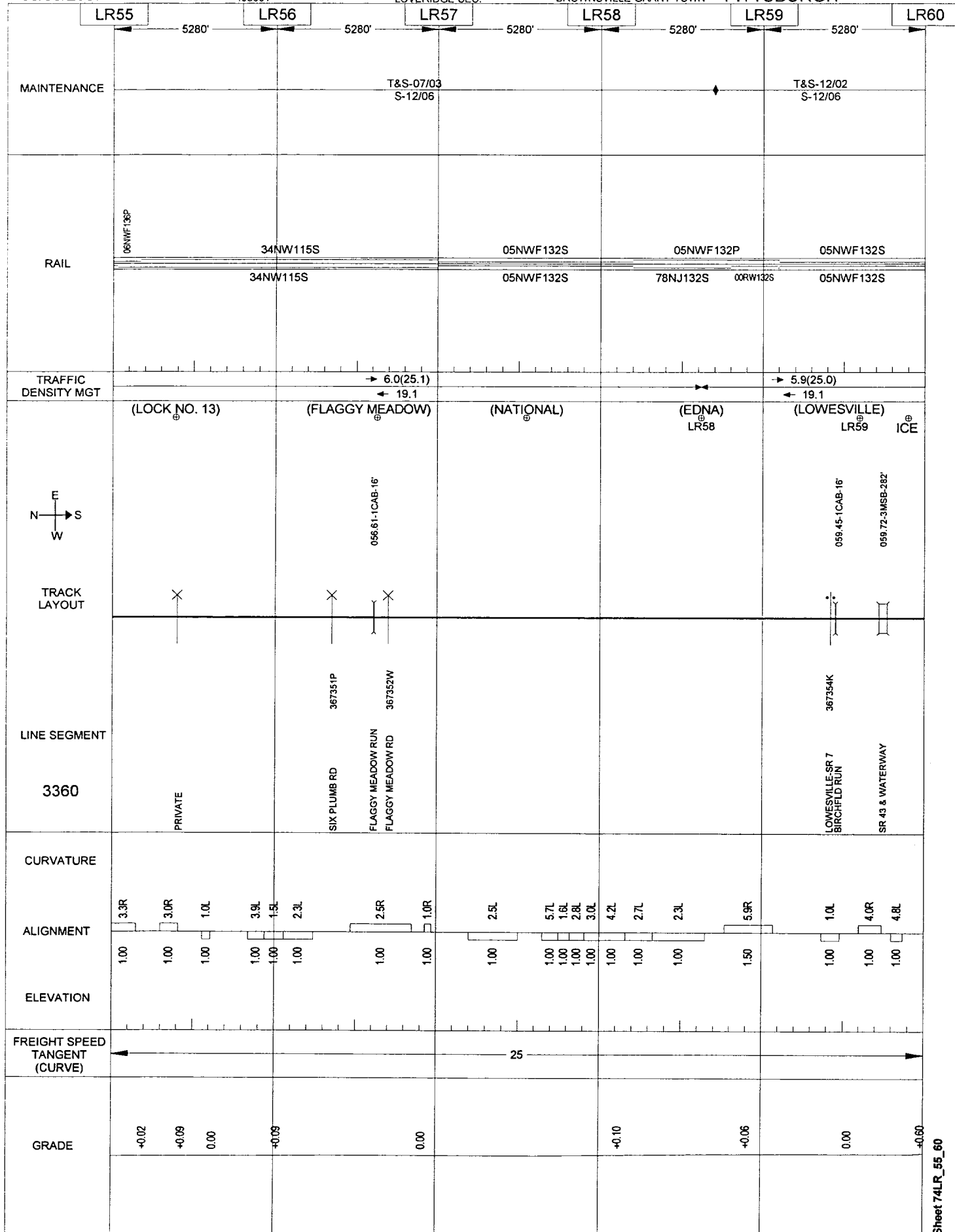
408001

278

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH



08/30/2007

408001

279

LOVERIDGE SEC.

BROWNSVILLE-GRANT TOWN

PITTSBURGH

LR60

LR61

LR62

LR63

LR64

LR65

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-12/02
S-12/06

T&S-03/04
S-12/06

RAIL

05NWF132S

04NWF132P

04NWF132S

04NWF132P

04NWF132S

78RW115S

07NWF132P

78RW115S

00RW132S

06NWF132P

86RJ115S

01RW136S

49RJ115S

05NWF132S 07NW132P

04NWF132P

04NWF132S

04NWF132P

04NWF132S

07NW132P

00RW132S

86RJ115S

86RJ115S

01RW136S

49RJ115S

TRAFFIC
DENSITY MGT

→ 5.9(25.0)
← 19.1

CRIK
LR63

E
N → S
W

TRACK
LAYOUT

064.01-1CAB-10'

064.46

LINE SEGMENT

3360

923562V
STARNIS

WATERWAY

367359U
PRIVATE

RADCLIF BR

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE

+0.60

+0.57

0.00

-1.00

08/30/2007

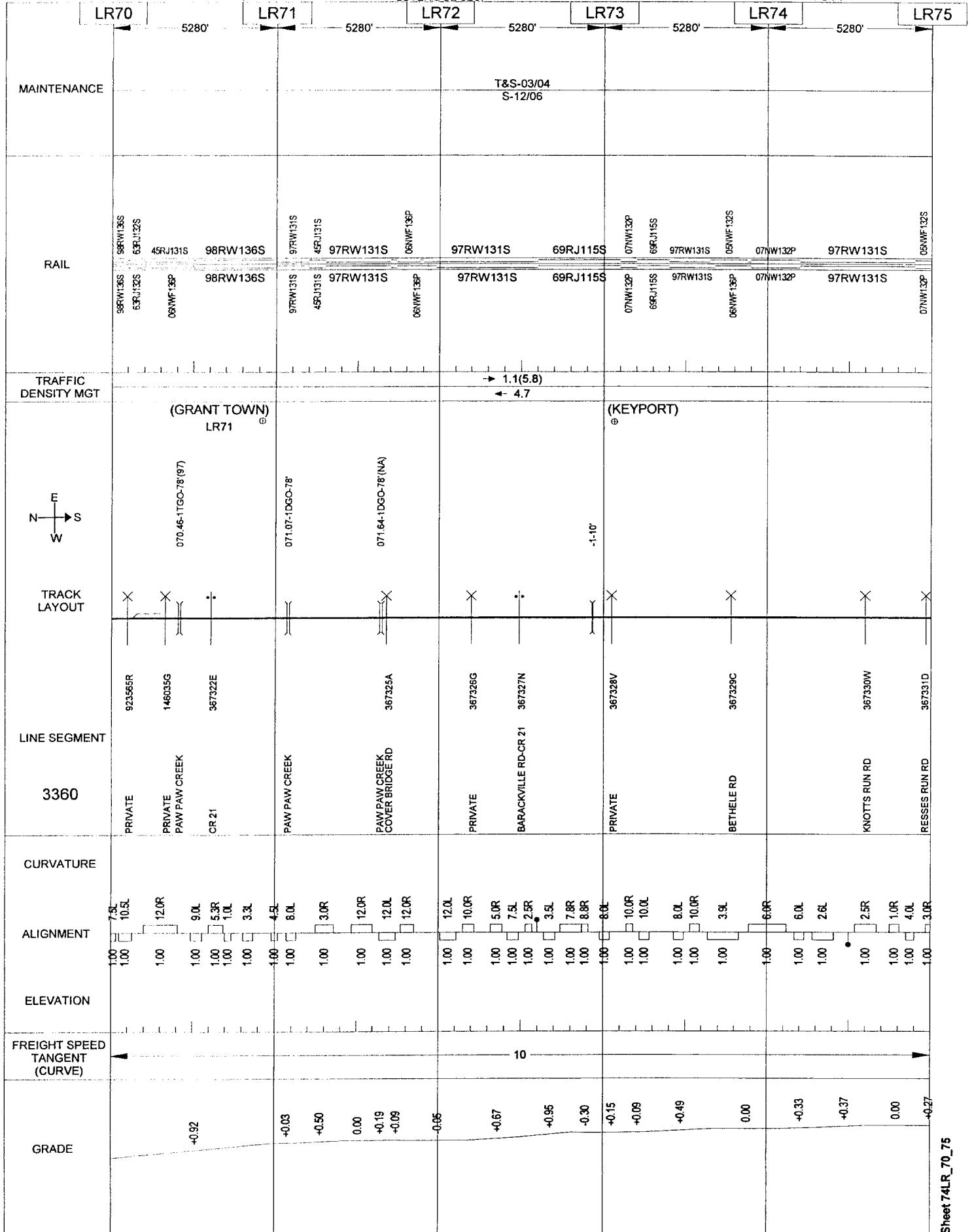
408001

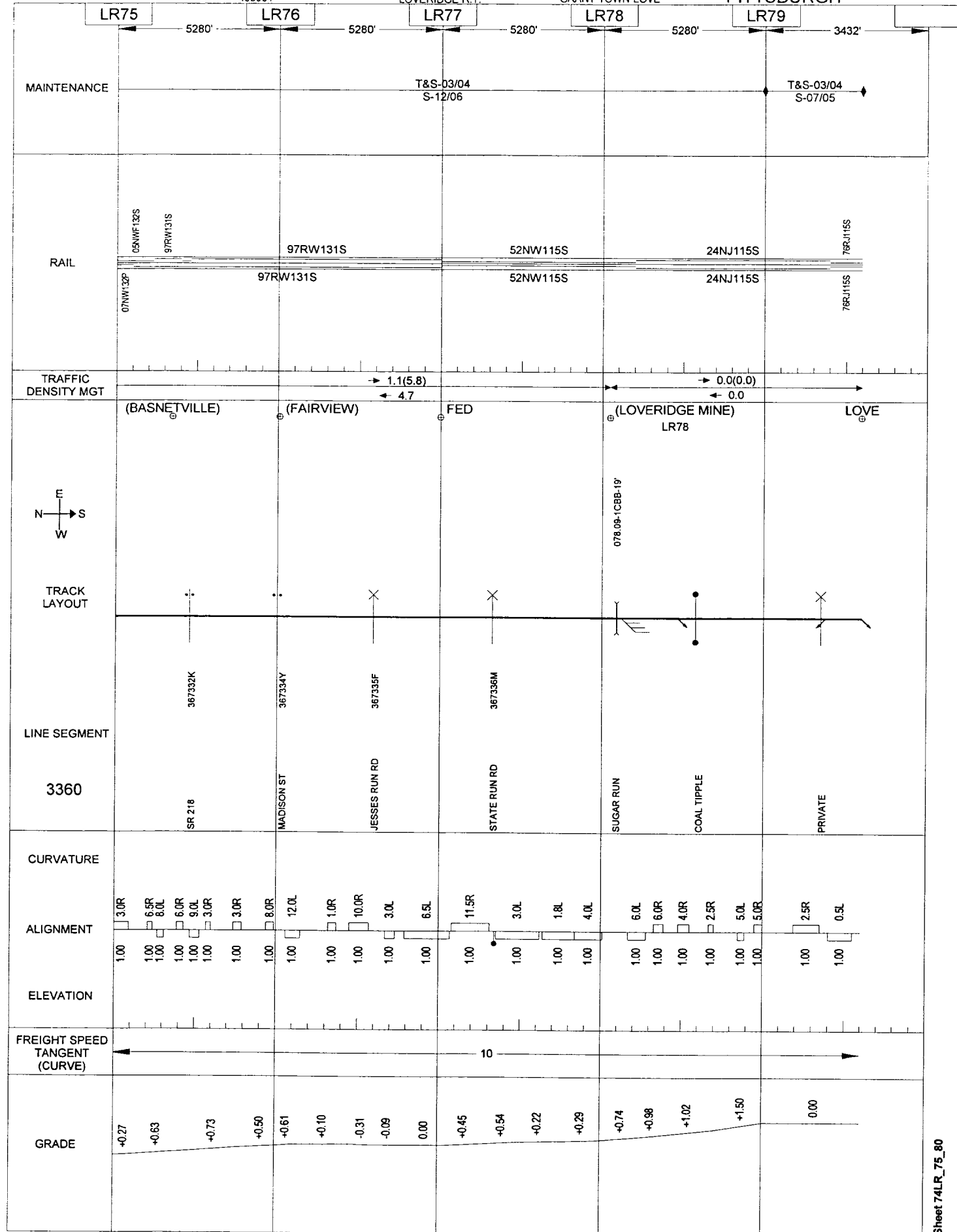
281

LOVERIDGE SEC.

GRANT TOWN-LOVE

PITTSBURGH





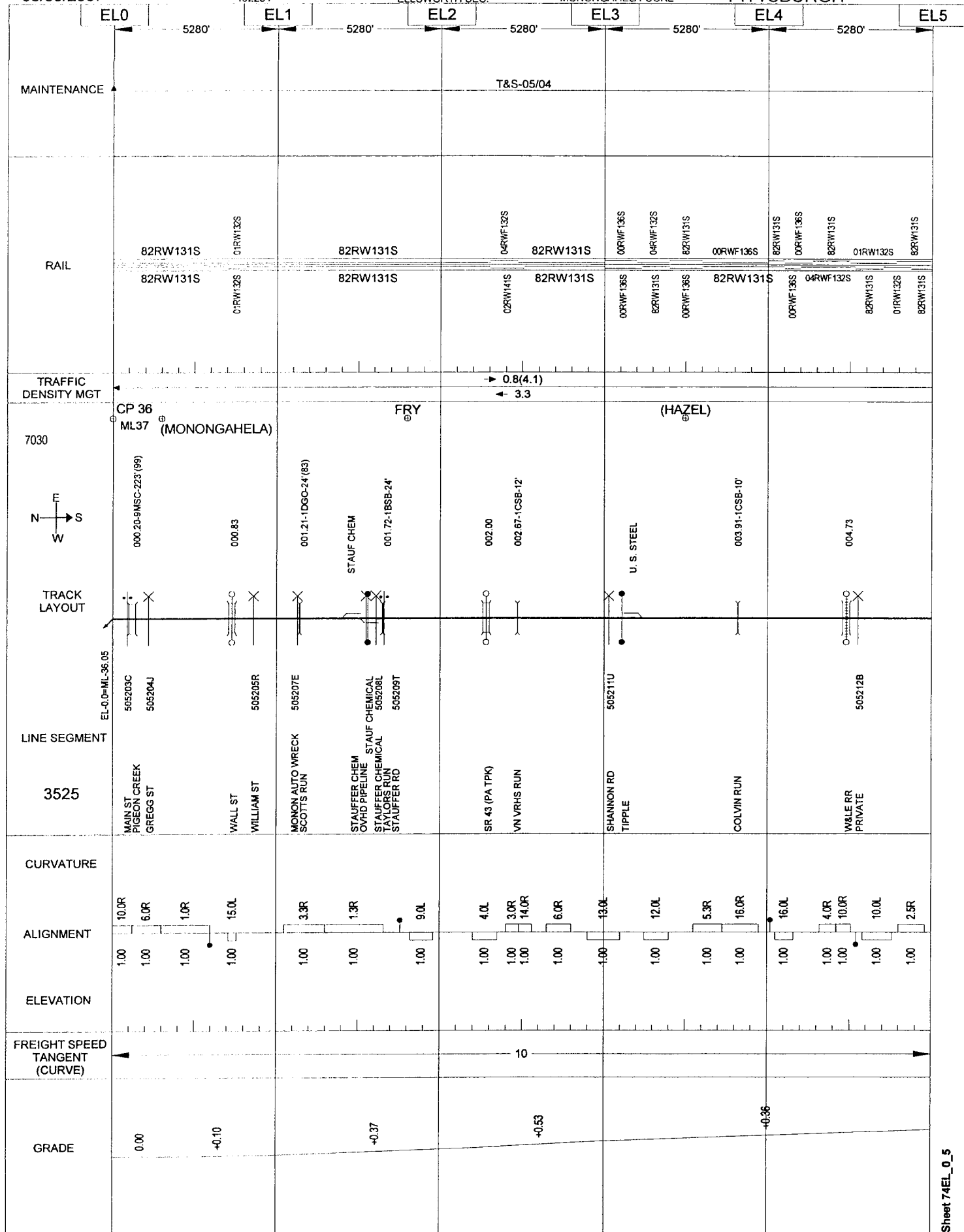
08/30/2007

283

ELLSWORTH SEC.

MONONGAHELA-COKE

PITTSBURGH



08/30/2007

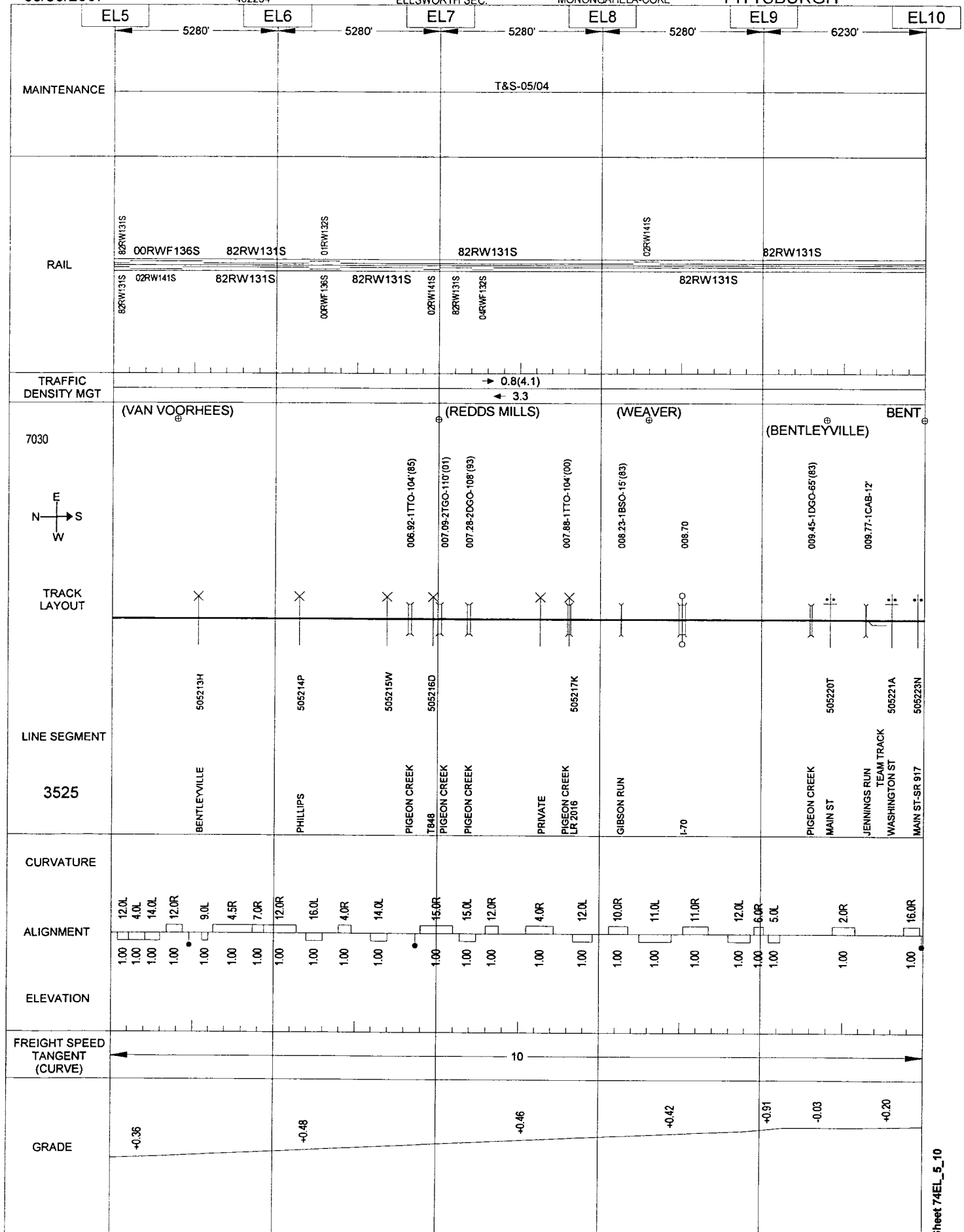
402254

284

ELLSWORTH SEC.

MONONGAHELA-COKE

PITTSBURGH



08/30/2007

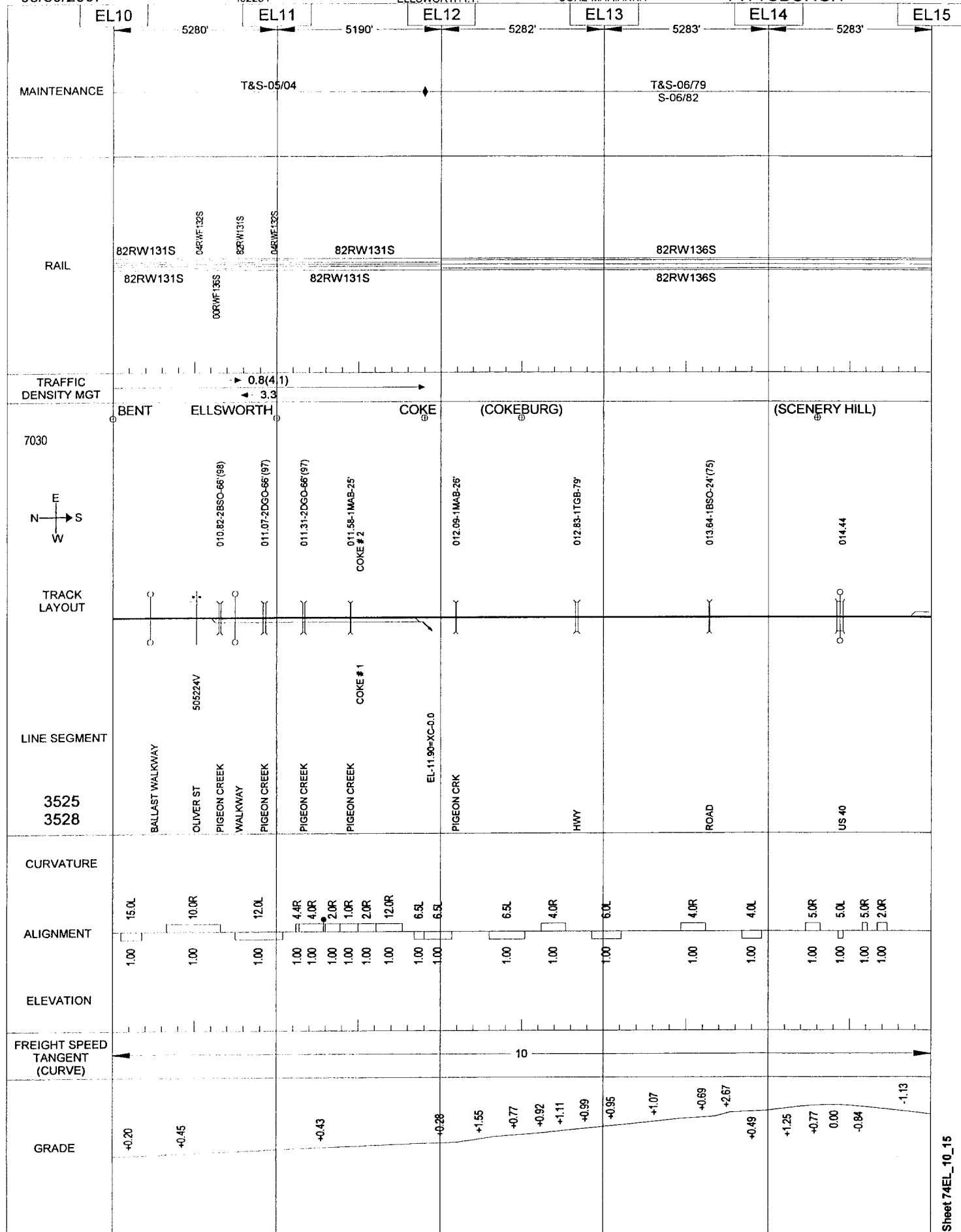
402254

285

ELLSWORTH I.T.

COKE-MARIANNA

PITTSBURGH



08/30/2007

402254

286

ELLSWORTH I.T.

COKE-MARIANNA

PITTSBURGH

EL15

EL16

EL17

EL18

EL19

5284'

5290'

5286'

5285'

5127'

MAINTENANCE

T&S-06/79
S-06/82

RAIL

82RW136S

82RW136S

TRAFFIC
DENSITY MGT

(GREENLEE)

MARIANNA
EL19

7030

015.06-1BSO-24'(65)

017.40-1BSO-15'(63)

018.05-1BSO-28'(68)

019.07-1DGO-28'(68)
019.17-1DGO-44'(68)TRACK
LAYOUT

X

X

X

X

Y

Y

Y

Y

LINE SEGMENT

505237W

505238D

505239K

505240E

505244G

3528

ROAD

BROWER

ANGELOTTI

PRIVATE

PRIVATE

PRIVATE RD

ROAD

ROAD

DANIELS RUN

BETHLEHEM STEEL

CURVATURE

ALIGNMENT

1.0L

3.0R

1.0L

2.0R

2.0L

4.0R

5.0L

5.0L

8.0R

8.0R

8.0L

8.0L

8.0R

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

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

-1.13

-0.91

-1.15

-1.18

-0.87

-1.07

-0.98

-2.00

-0.52

-0.88

-1.04

-0.60

-0.53

-0.86

-0.76

-0.63

-0.59

-0.66

-0.52

08/30/2007

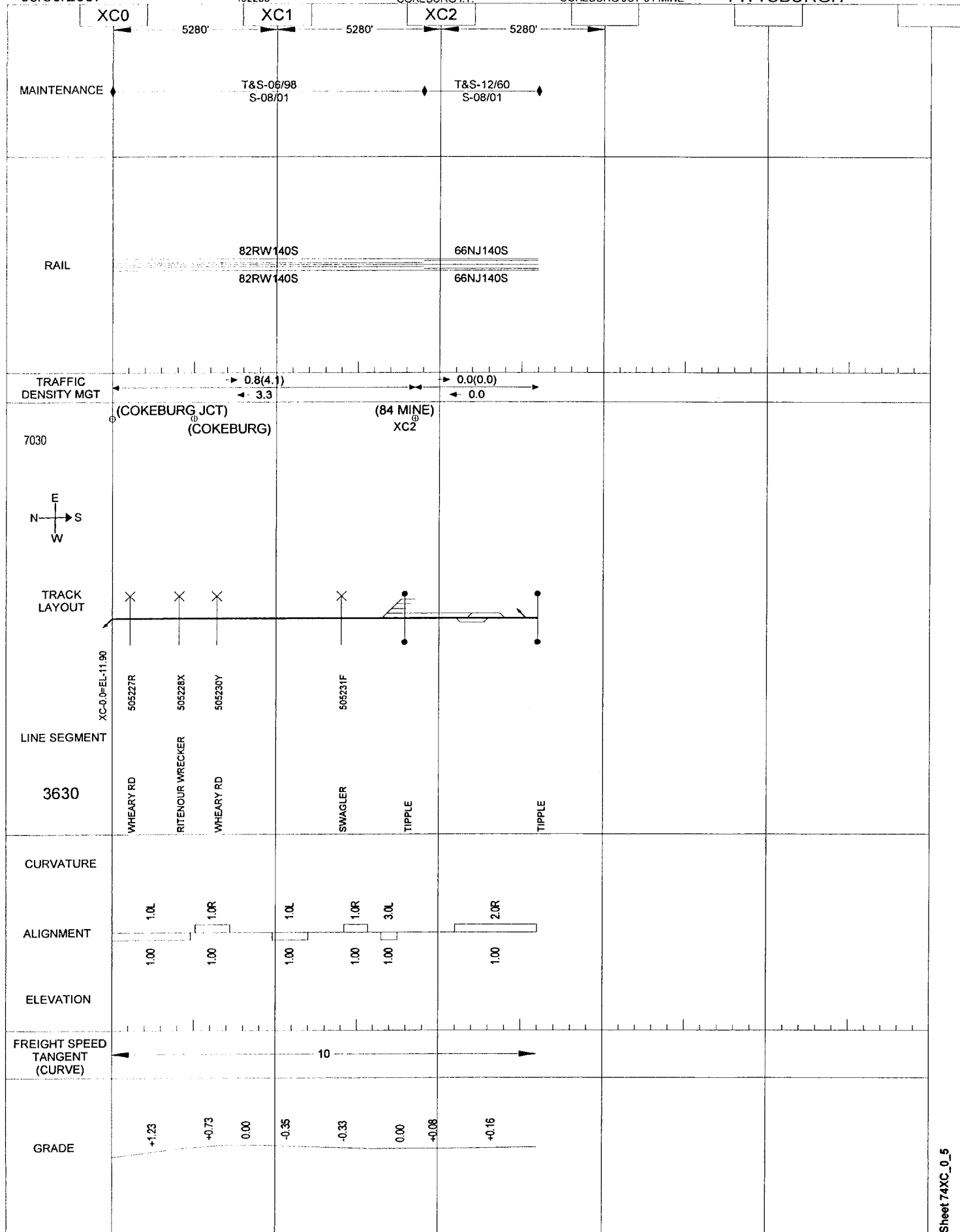
402255

287

COKEBURG I.T.

COKEBURG JCT-84 MINE

PITTSBURGH



08/30/2007

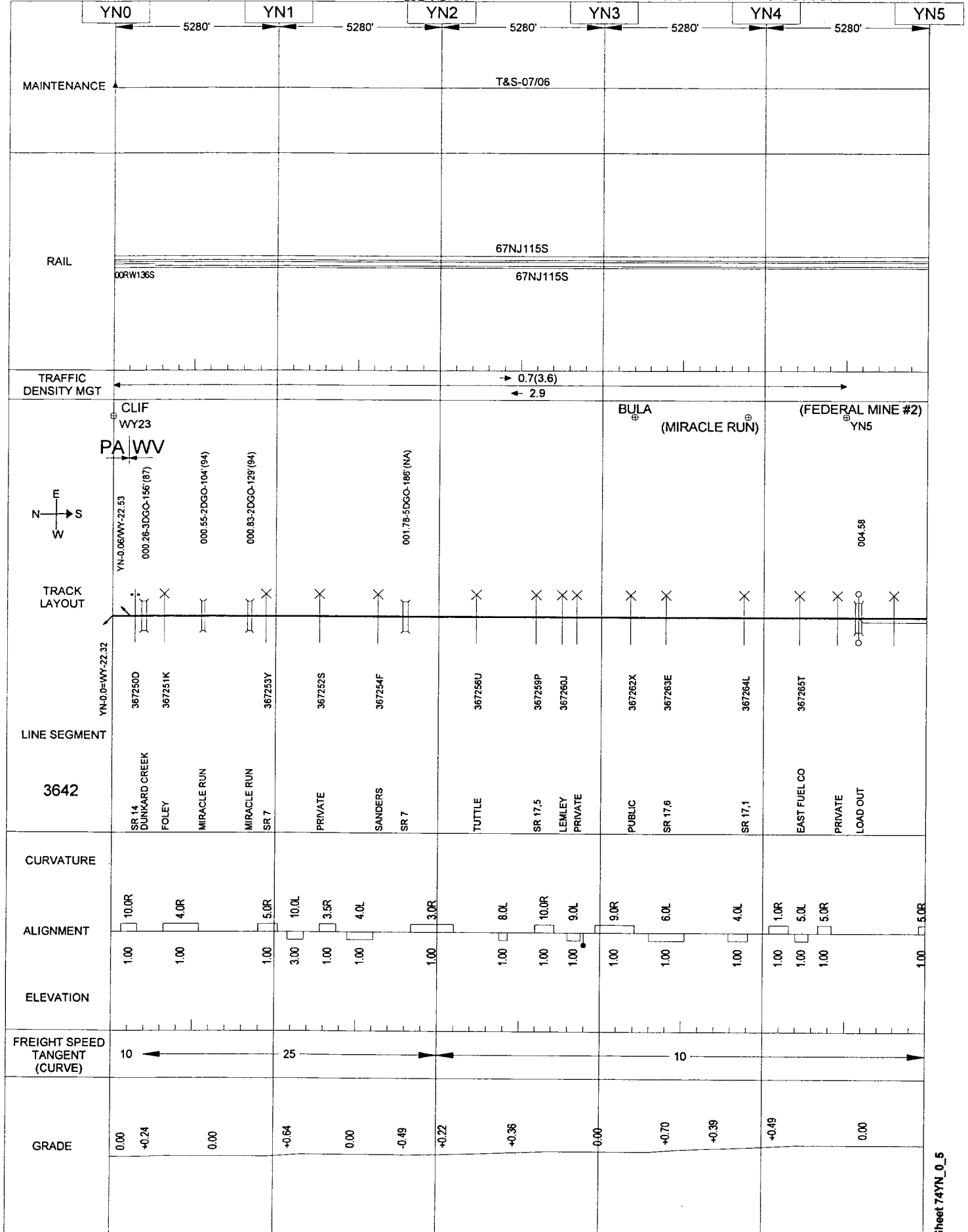
408005

288

FEDERAL R.T.

CLIFF-FEDERAL MINE #2

PITTSBURGH



08/30/2007

408005

289

FEDERAL R.T.

CLIFF-FEDERAL MINE #2

PITTSBURGH

YN5

YN6

5068'

MAINTENANCE

T&S-07/06

RAIL

21NJ136S

21NJ136S

TRAFFIC
DENSITY MGTTRACK
LAYOUT

LINE SEGMENT

3642

367267G
PRIVATE
PHILLIPS

CURVATURE

ALIGNMENT

5.0R	4.0L	3.8L
1.00	1.00	1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

0.00

08/30/2007

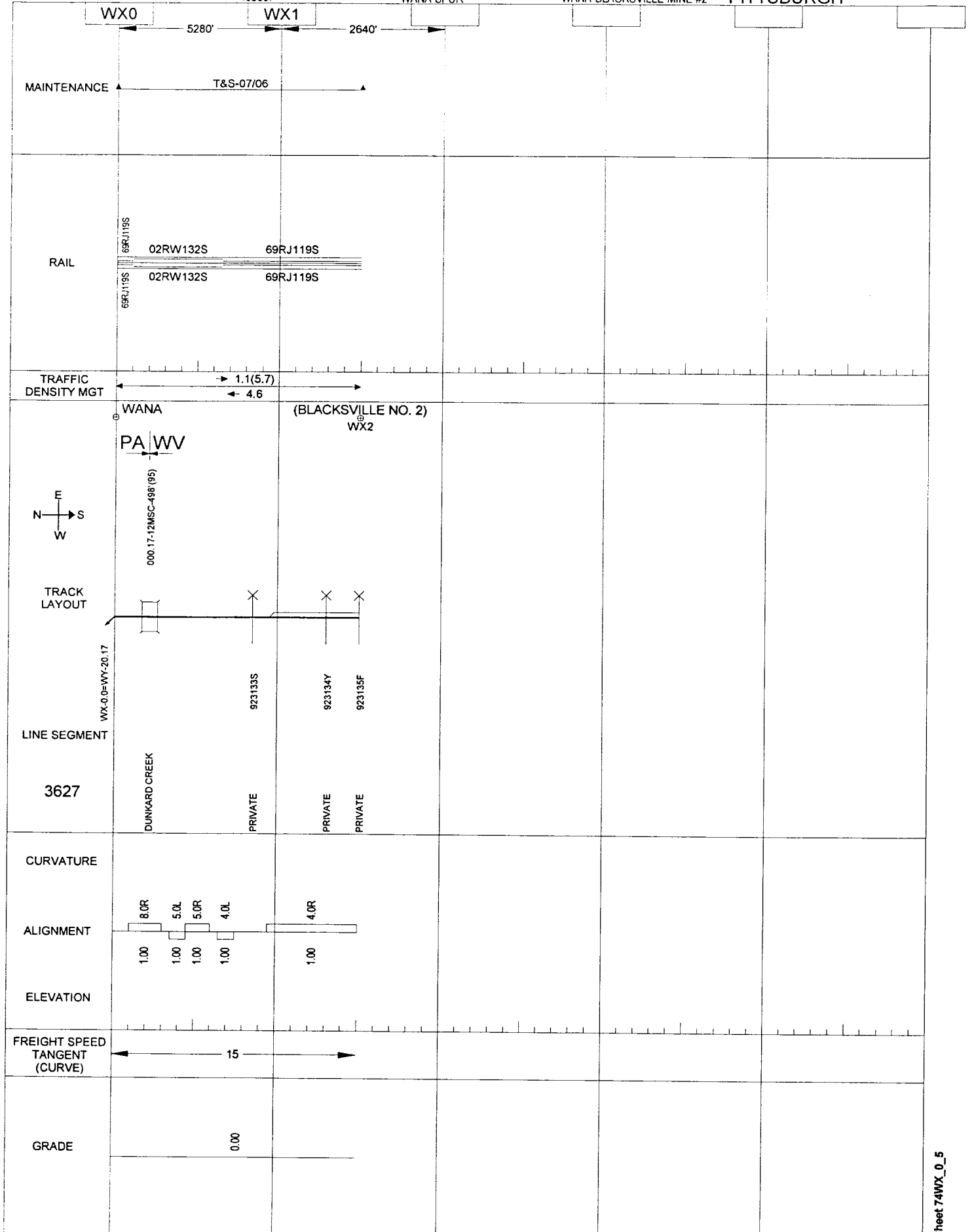
408007

290

WANA SPUR

WANA-BLACKSVILLE MINE #2

PITTSBURGH



08/30/2007

402258

291
O TRACK

MON LINE-LOVERIDGE

PITTSBURGH

OC58

3540'

MAINTENANCE

RAIL

96NW136S

96NW136S

TRAFFIC
DENSITY MGT

8.2(13.3)
5.1

7030



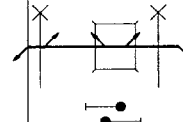
CP 58
ML58

CP BROWN

OC-58.19/ML-57.72
058.17-6MSC-788'(80)
N. LEG WYE TO CSXT

TO YARD

TRACK
LAYOUT



LINE SEGMENT

3570

OC-58.00=ML-58.16
WILLIAM ST

MONONGAHELA RIVER

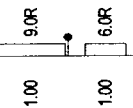
PRIVATE

OC-58.60=LR-0.19

CURVATURE

ALIGNMENT

ELEVATION



FREIGHT SPEED
TANGENT
(CURVE)

10

GRADE

+0.30
0.00

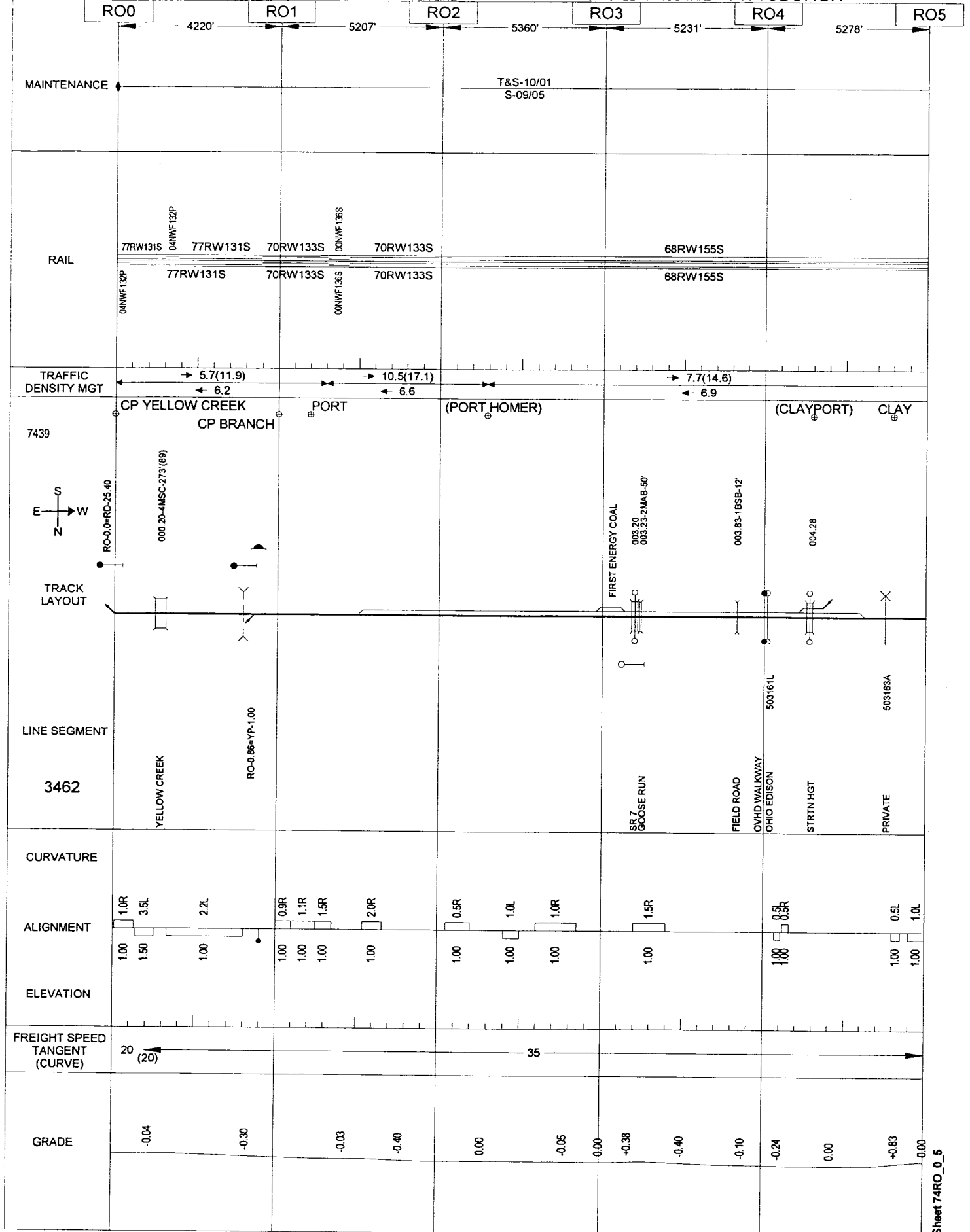
08/30/2007

292

RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH



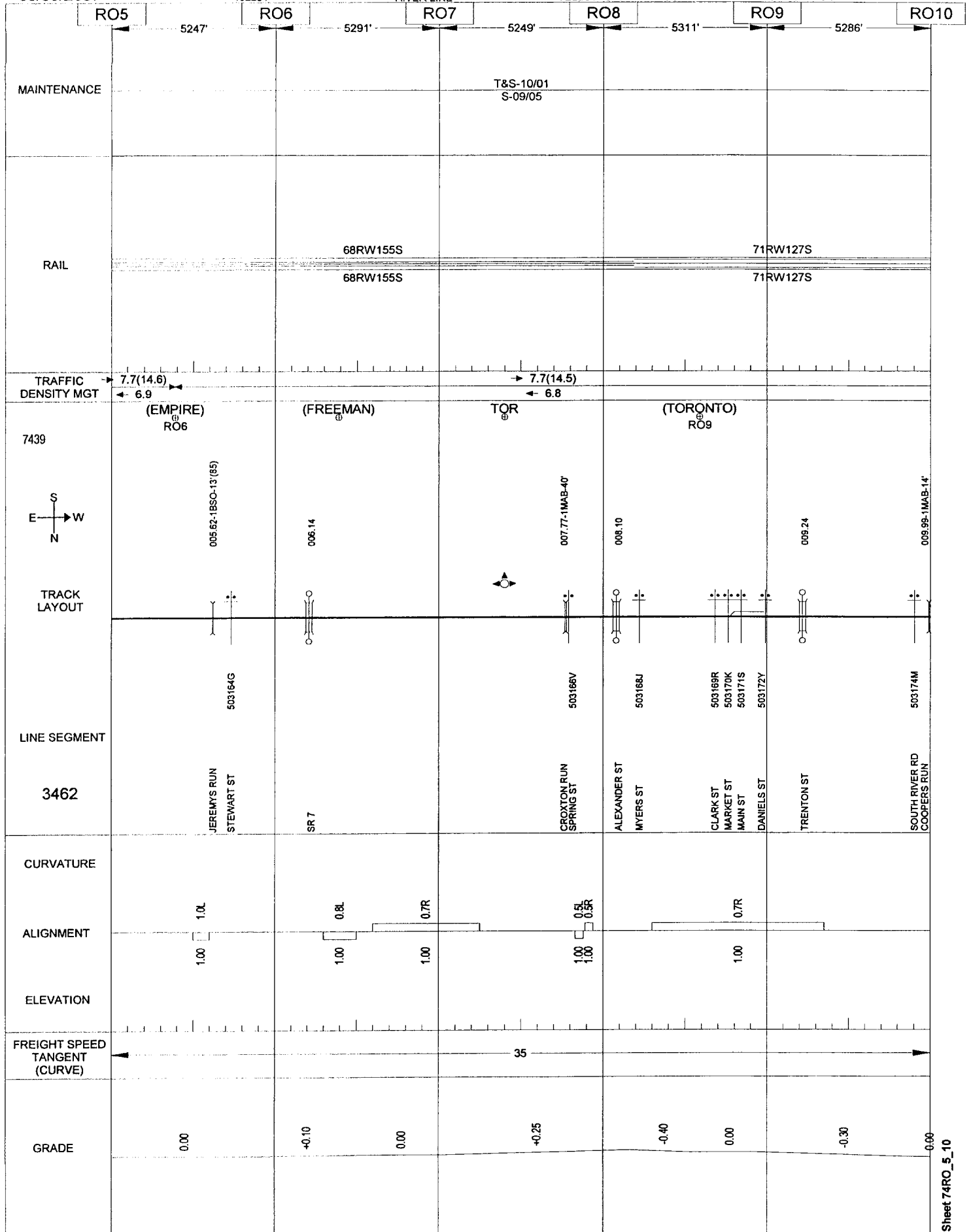
08/30/2007

402231

293
RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH



08/30/2007

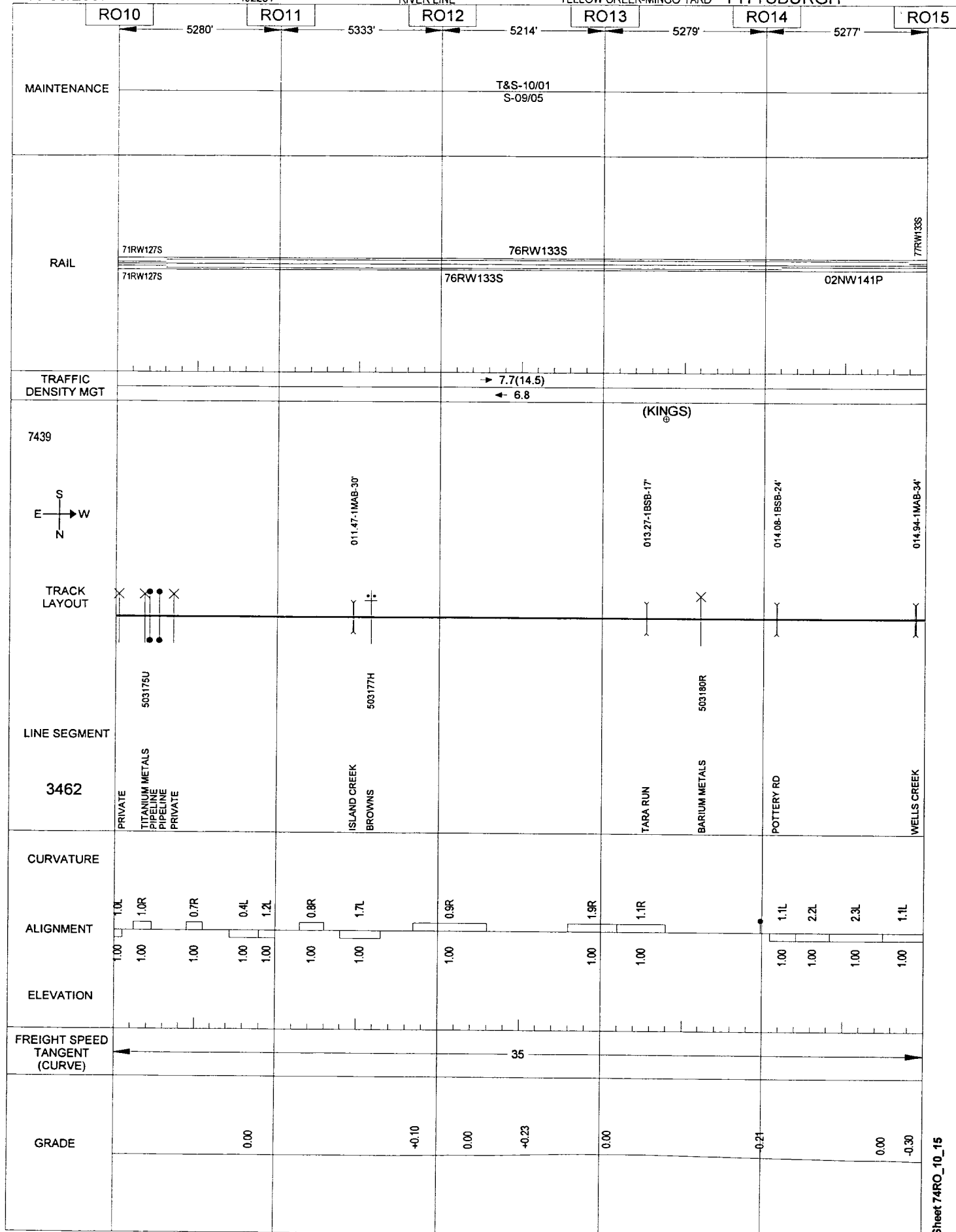
402231

294

RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH



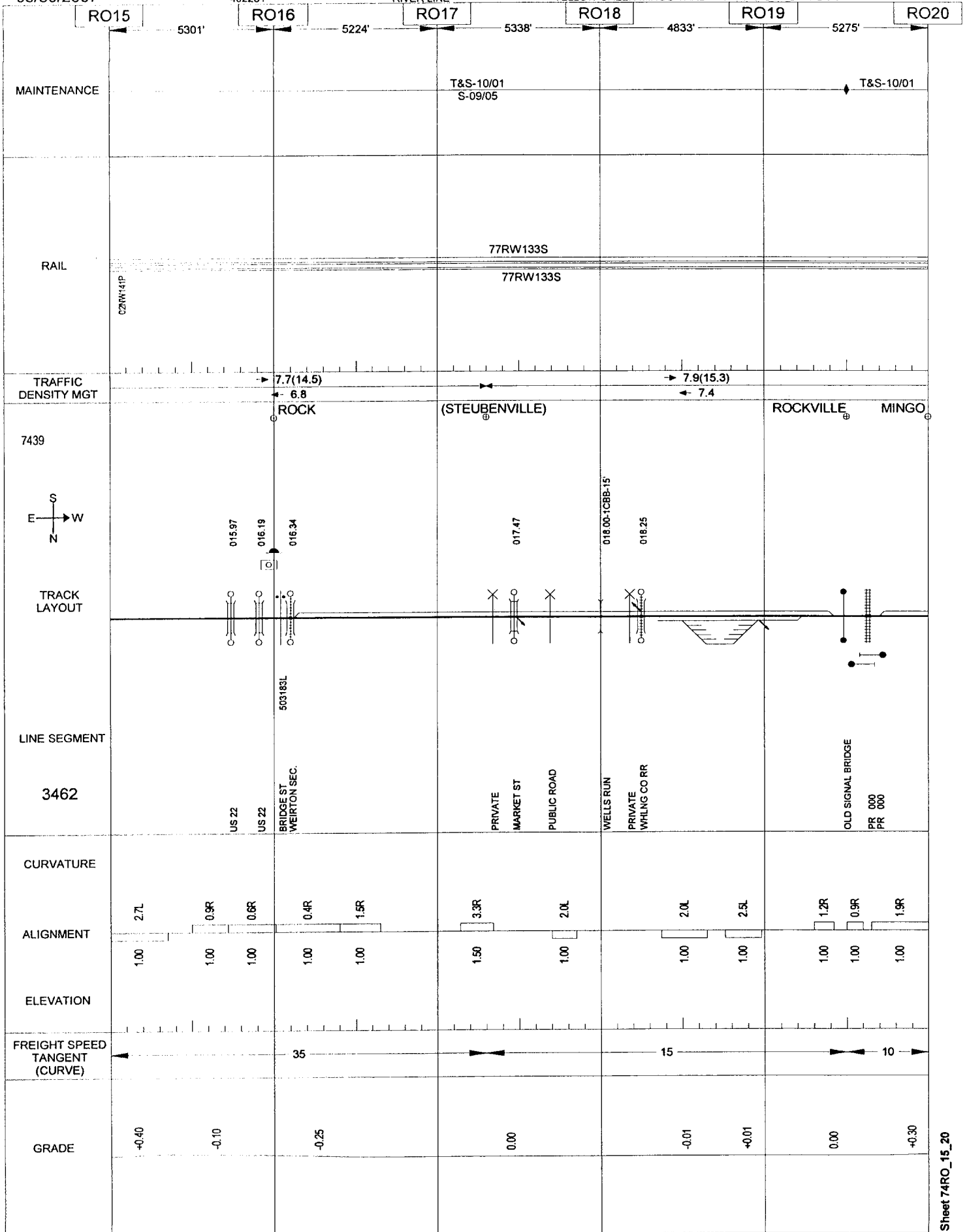
08/30/2007

402231

295
RIVER LINE

YELLOW CREEK-MINGO YARD

PITTSBURGH



08/30/2007

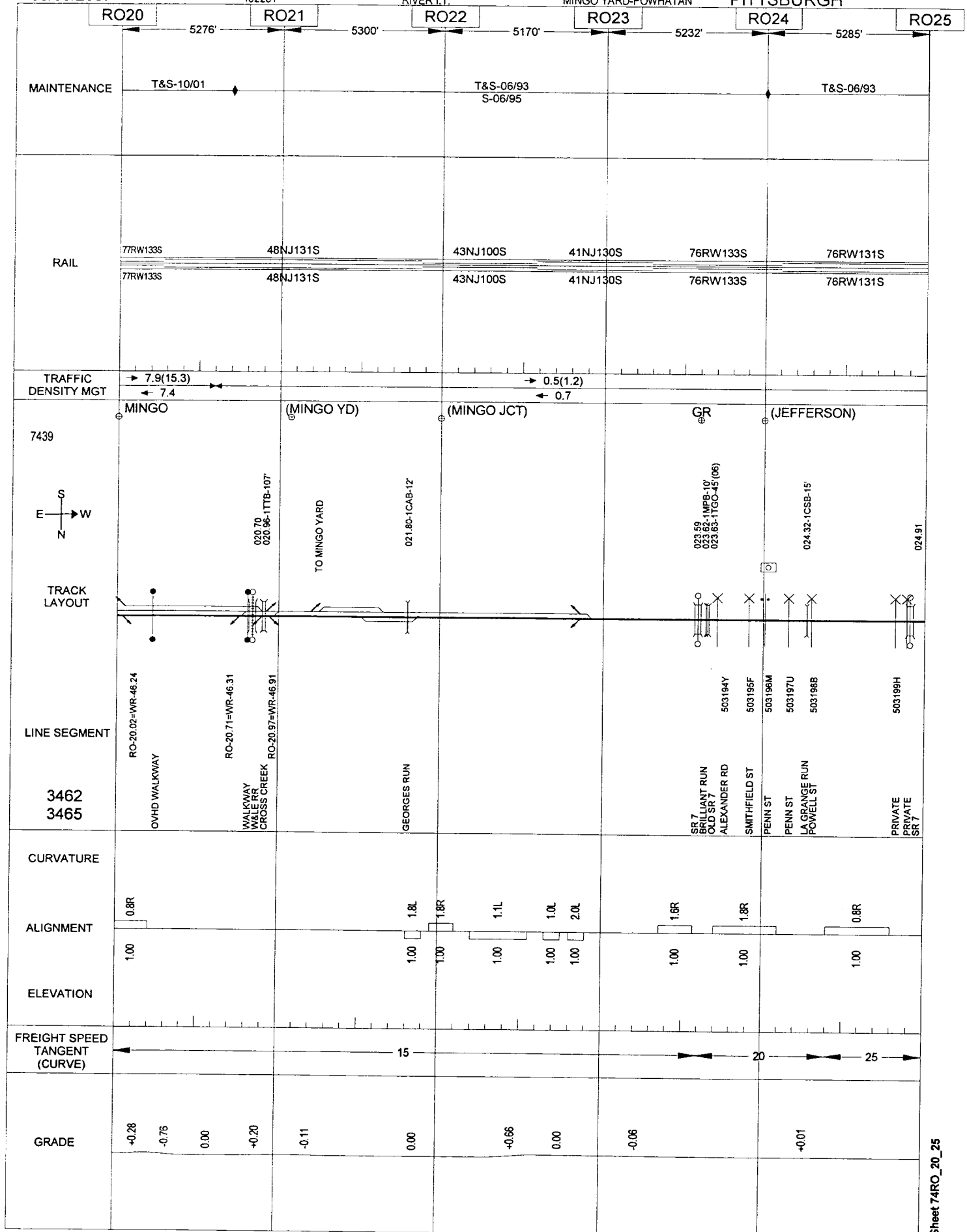
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296

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



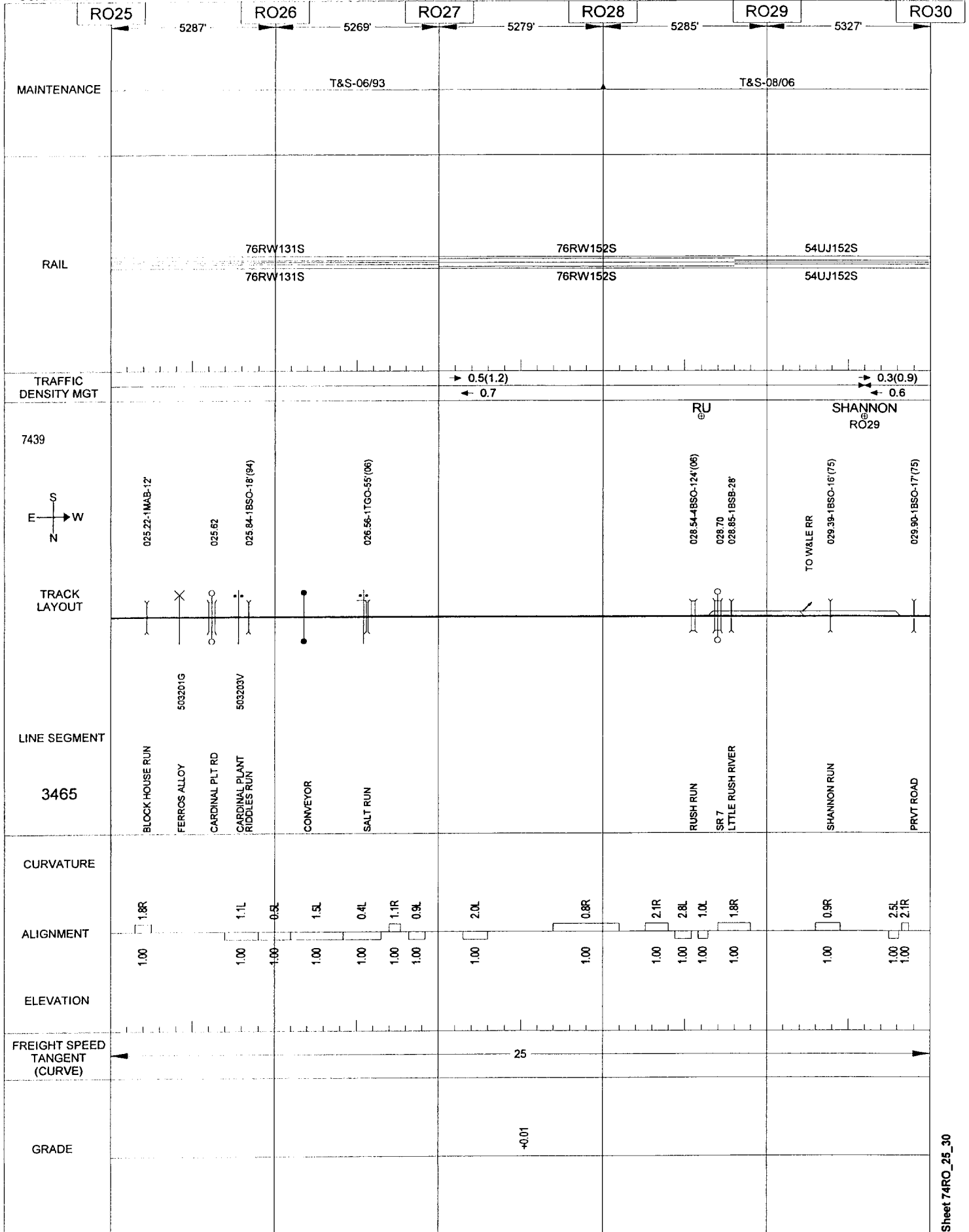
08/30/2007

402231

297
RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



08/30/2007

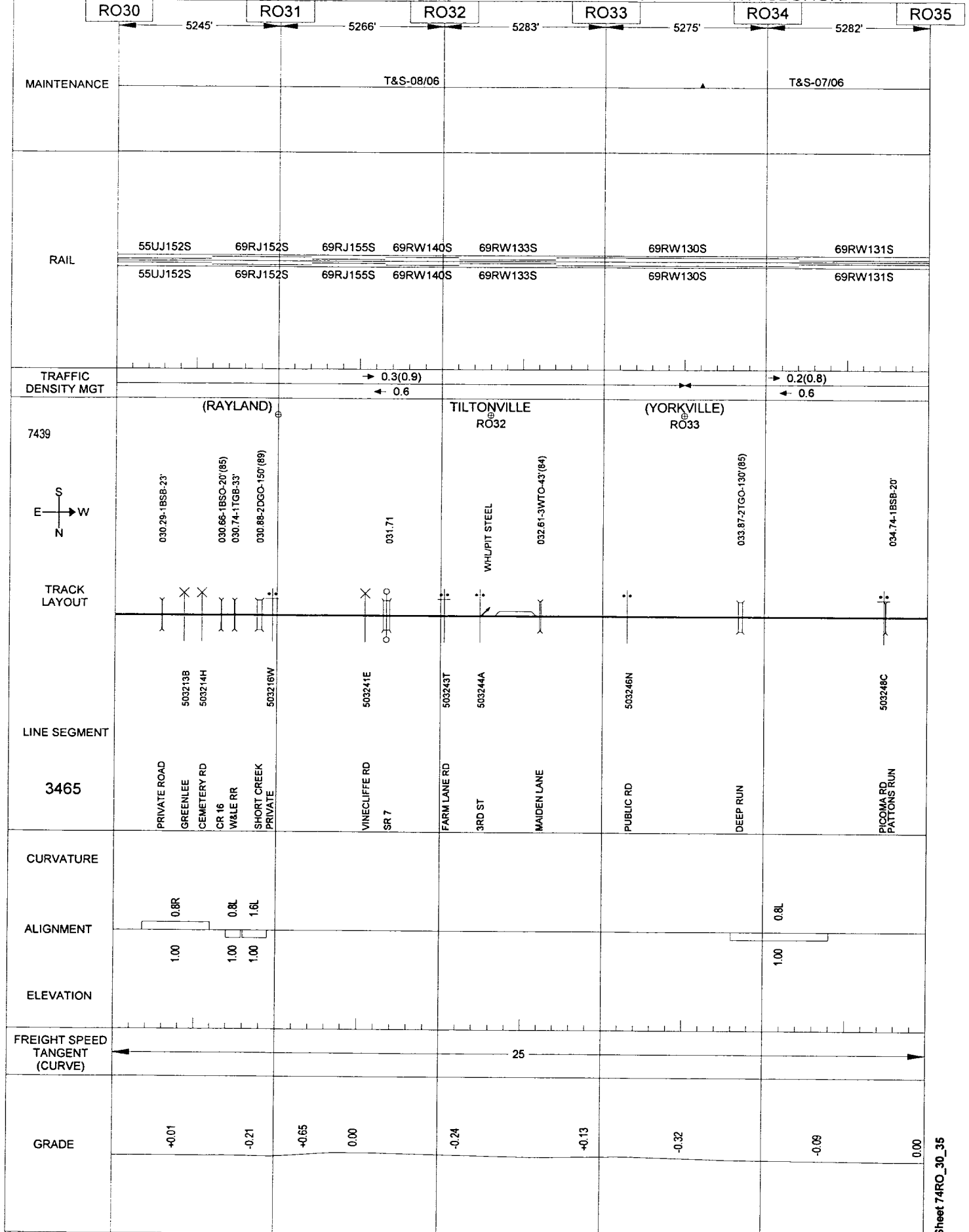
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298

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



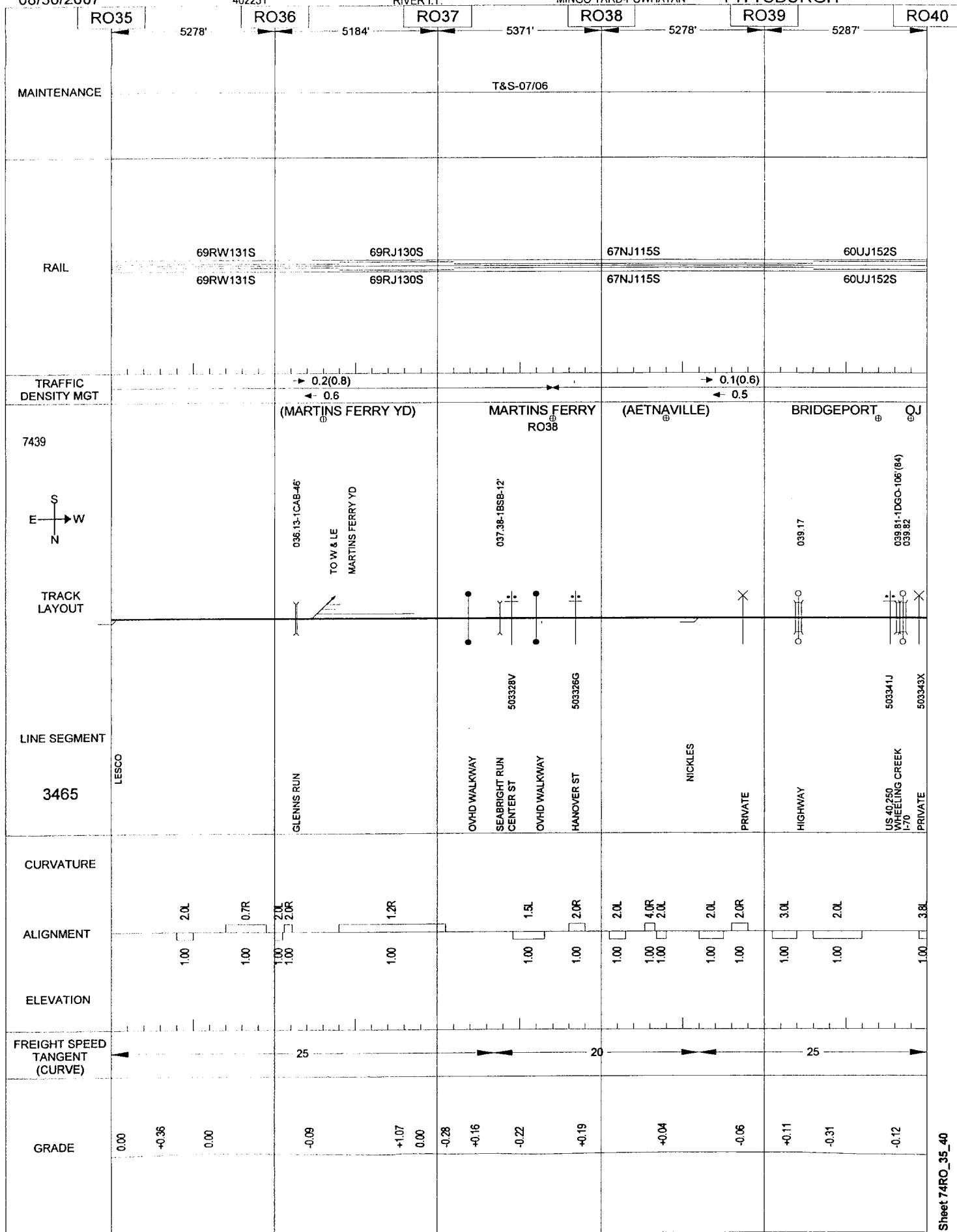
08/30/2007

402231

299
RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



08/30/2007

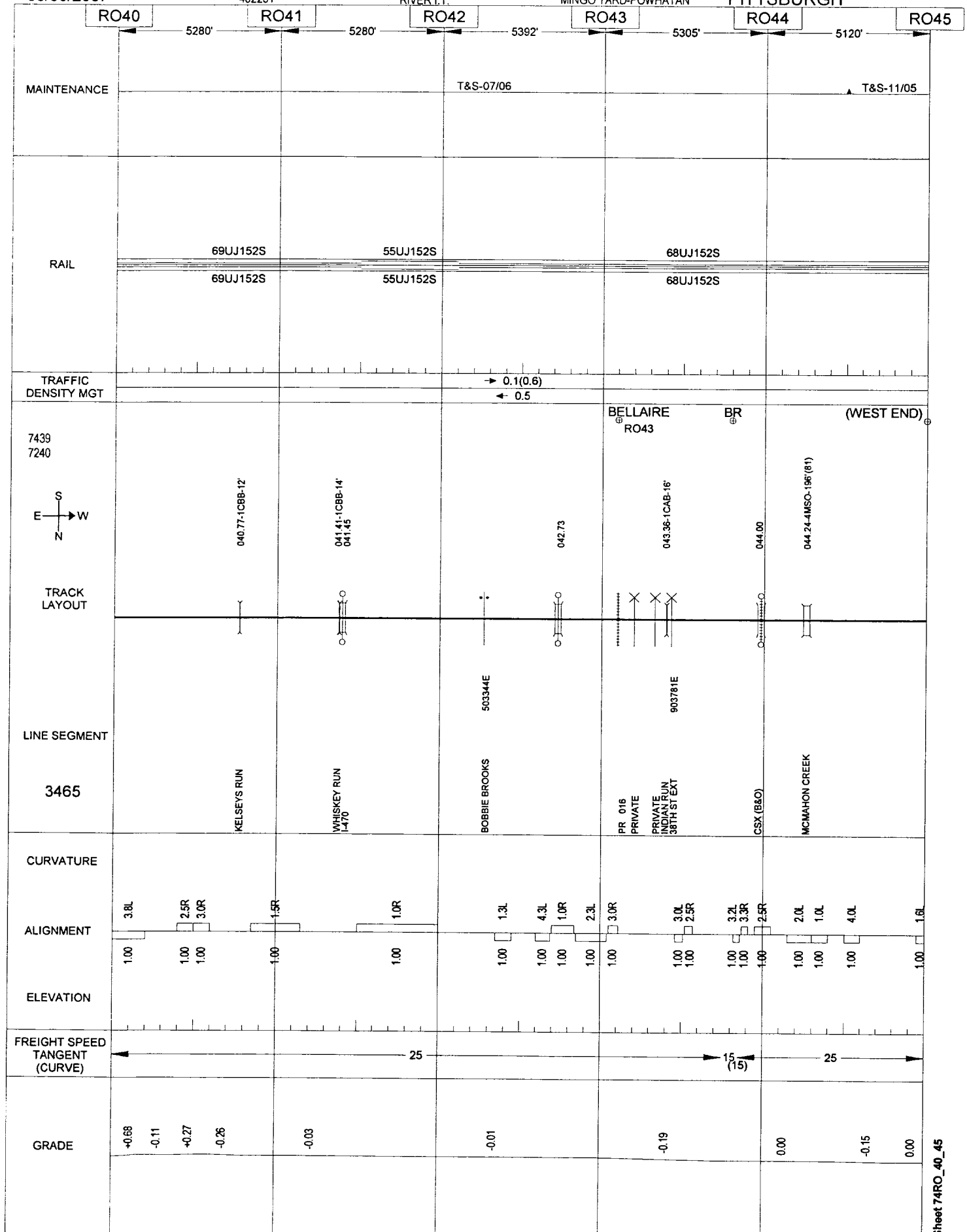
402231

300

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



08/30/2007

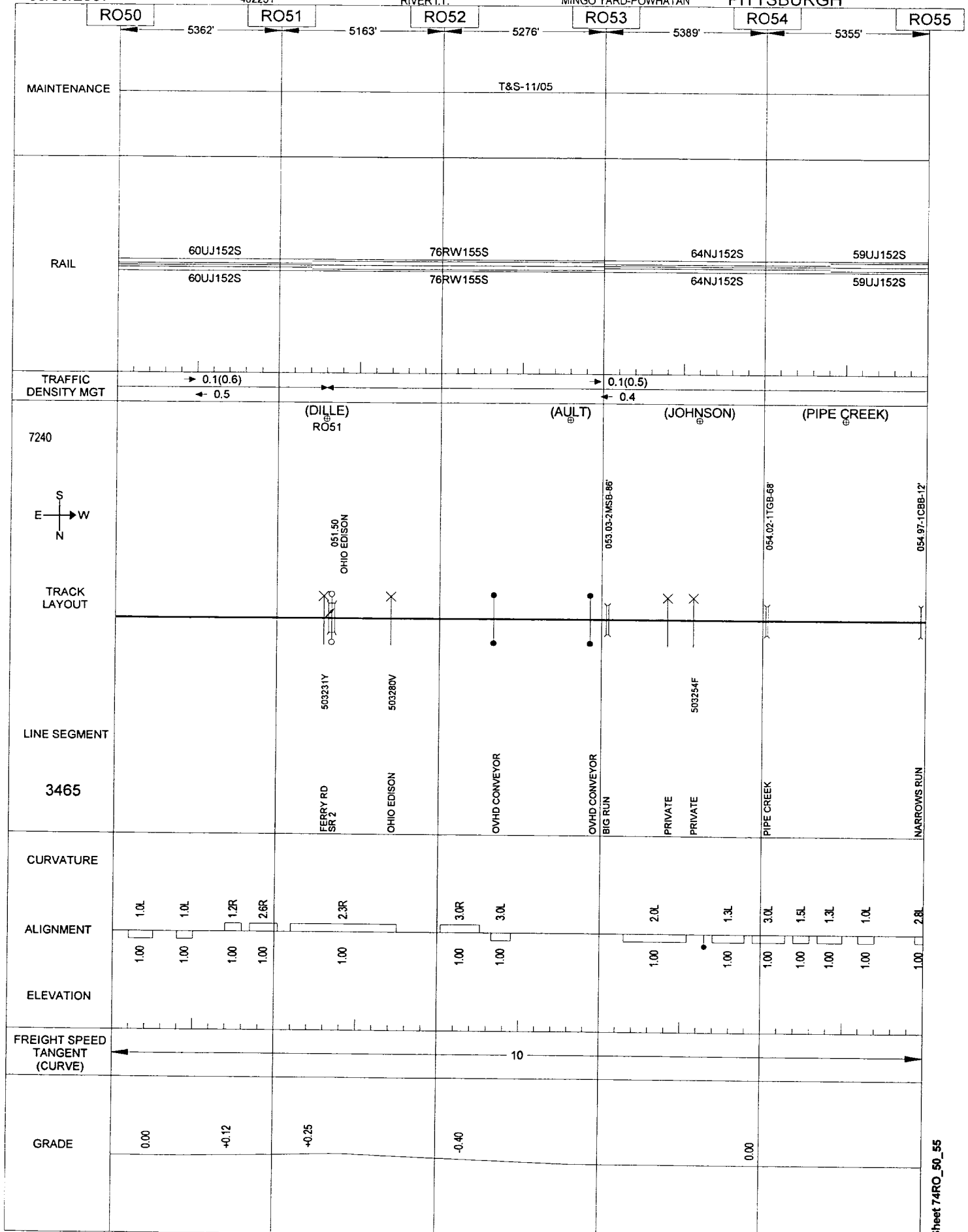
402231

302

RIVER I.T.

MINGO YARD-POWHATAN

PITTSBURGH



08/30/2007

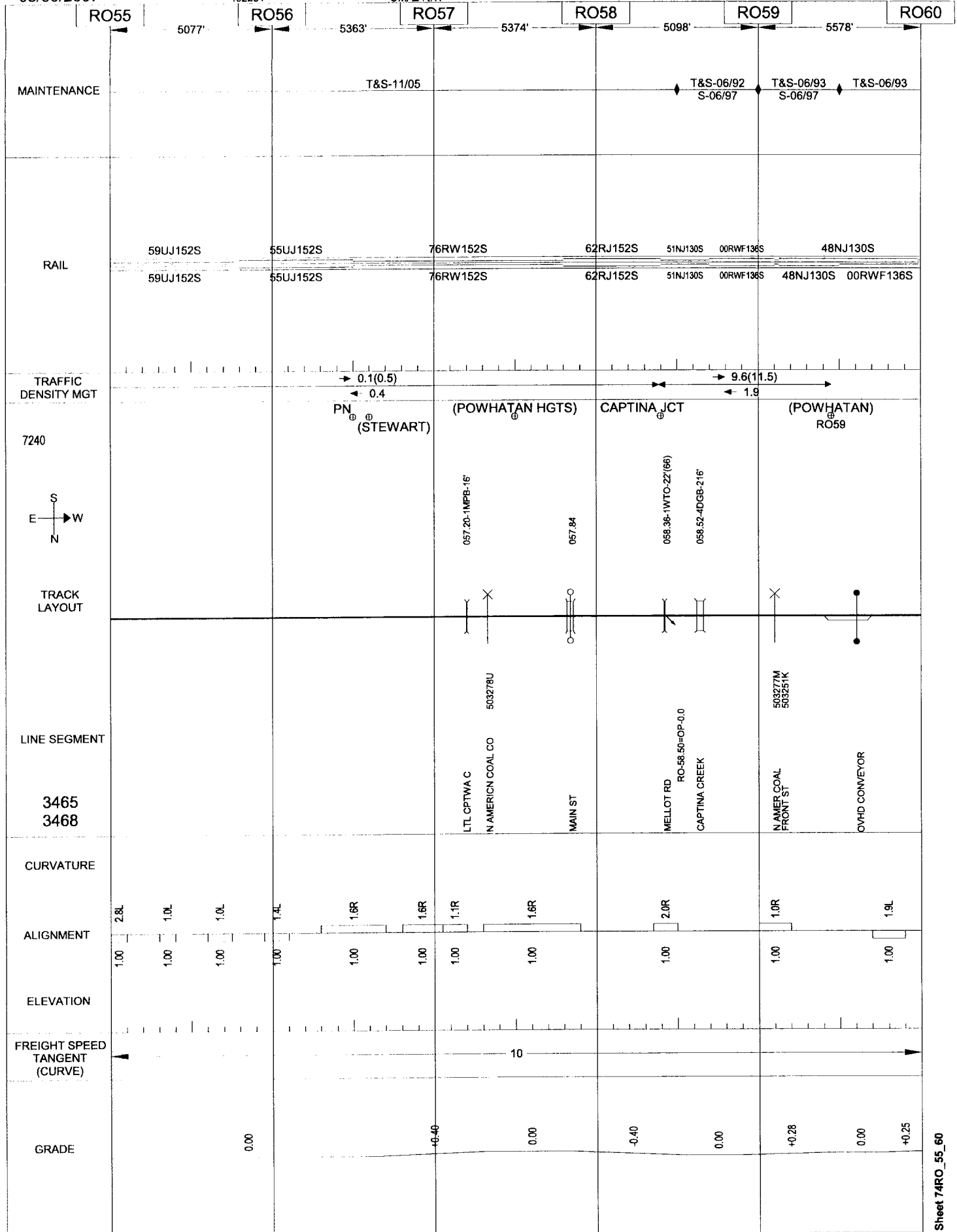
402231

303

OMAL R.T.

MINGO YARD-POWHATAN

PITTSBURGH



08/30/2007

402231

304

OMAL R.T.

MINGO YARD-POWHATAN

PITTSBURGH

	RO60	4780'					
MAINTENANCE							
RAIL	48NJ100S 00RWF136S						
TRAFFIC DENSITY MGT							
7240	END TRACK ⊕						
	060.38-1CBB-16' TO ORMET CORP						
TRACK LAYOUT							
LINE SEGMENT							
3468	LITTLE RUN						
CURVATURE							
ALIGNMENT	3.2L 2.1L 						
ELEVATION	1.00 1.00 						
FREIGHT SPEED TANGENT (CURVE)	10						
GRADE	+0.25 0.00 						

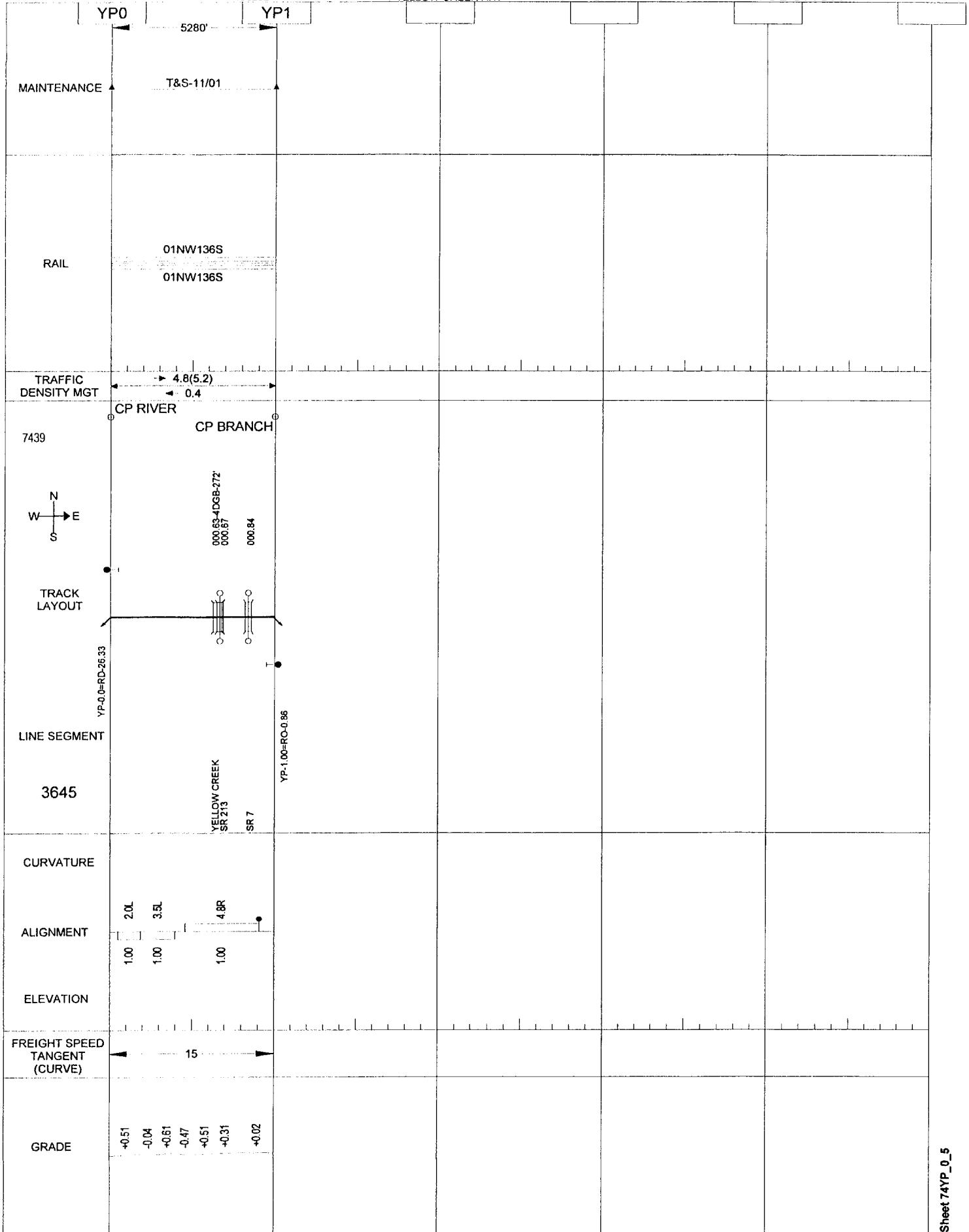
08/30/2007

402232

305
YELLOW CREEK R.T.

CP RIVER-CP BRANCH

PITTSBURGH



08/30/2007

402206

306
WEIRTON I.T.

STEEL-MING

PITTSBURGH

WR40

5280'

T&S-06/79

MAINTENANCE

RAIL

50NJ140S
64UJ140S
50NJ140S
64UJ140S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)
← 0.0

7125

S
E → W
N

(STEEL)
WR39

TRACK
LAYOUT

LINE SEGMENT

3387

CURVATURE

ALIGNMENT

ELEVATION

6.1L
1.00

FREIGHT SPEED
TANGENT
(CURVE)

← 10 →

GRADE

0.00

Sheet 74WR_35_40

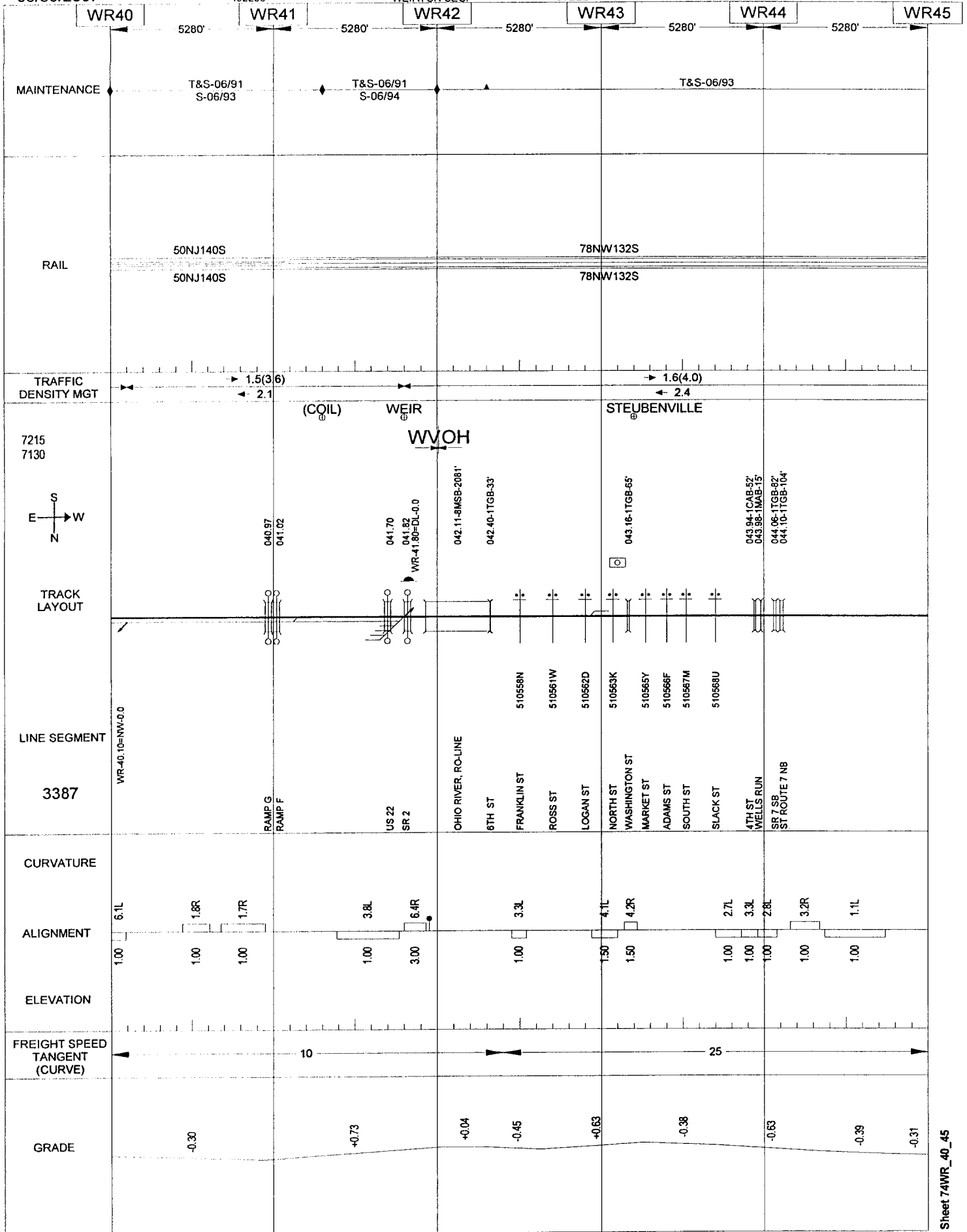
08/30/2007

402206

307
WEIRTON SEC.

STEEL-MING

PITTSBURGH



PITTSBURGH



08/30/2007

402234

309
NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH

NW3

5278'

NW4

5280'

NW5

T&S-07/07

MAINTENANCE

RAIL

24NJ130S
24NJ130S

27NJ130S

27NJ100S

28NJ100S

27NJ130S

27NJ100S

28NJ100S

TRAFFIC
DENSITY MGT→ 0.2(0.4)
← 0.2(KINGS CREEK)
(E. TORONTO) ⊕W
S → N
ETRACK
LAYOUT

004 04-1 CAB-40'

004 56-1 CAB-10'

LINE SEGMENT

3568

KINGS CREEK

KINGS CREEK

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

1.00	2.0R	1.00	2.0R	1.00	2.0R	1.00	1.7R	1.00	3.0L	1.00	2.0R	1.00	2.0L	1.00	1.0L
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

1.00	2.0R	1.00	2.0R	1.00	2.0R	1.00	1.7R	1.00	3.0L	1.00	2.0R	1.00	2.0L	1.00	1.0L
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

-0.22	-0.61	-0.27	+0.30	0.00	+0.19	-0.17
-------	-------	-------	-------	------	-------	-------

Sheet 74NW_0_5

08/30/2007

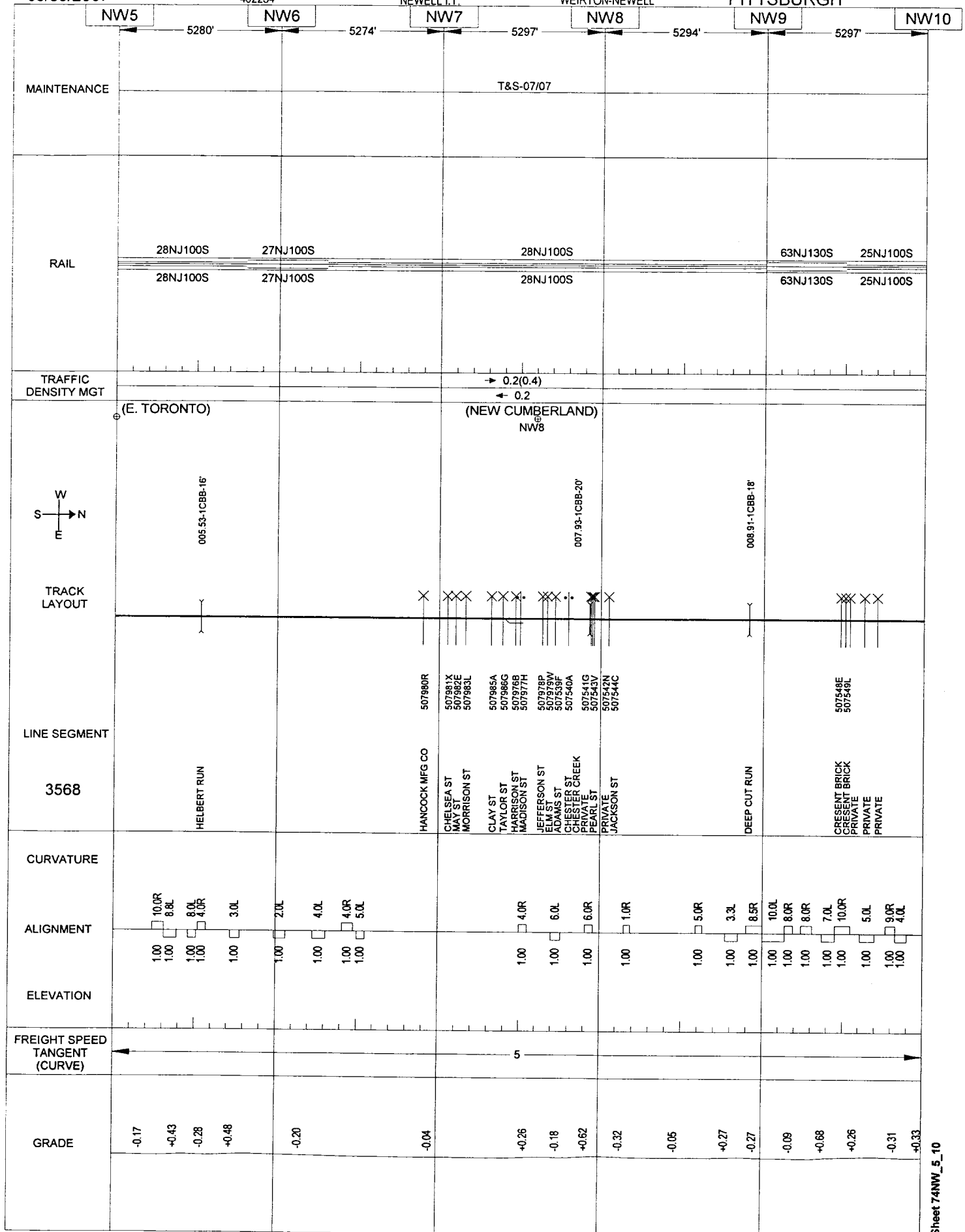
402234

310

NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH



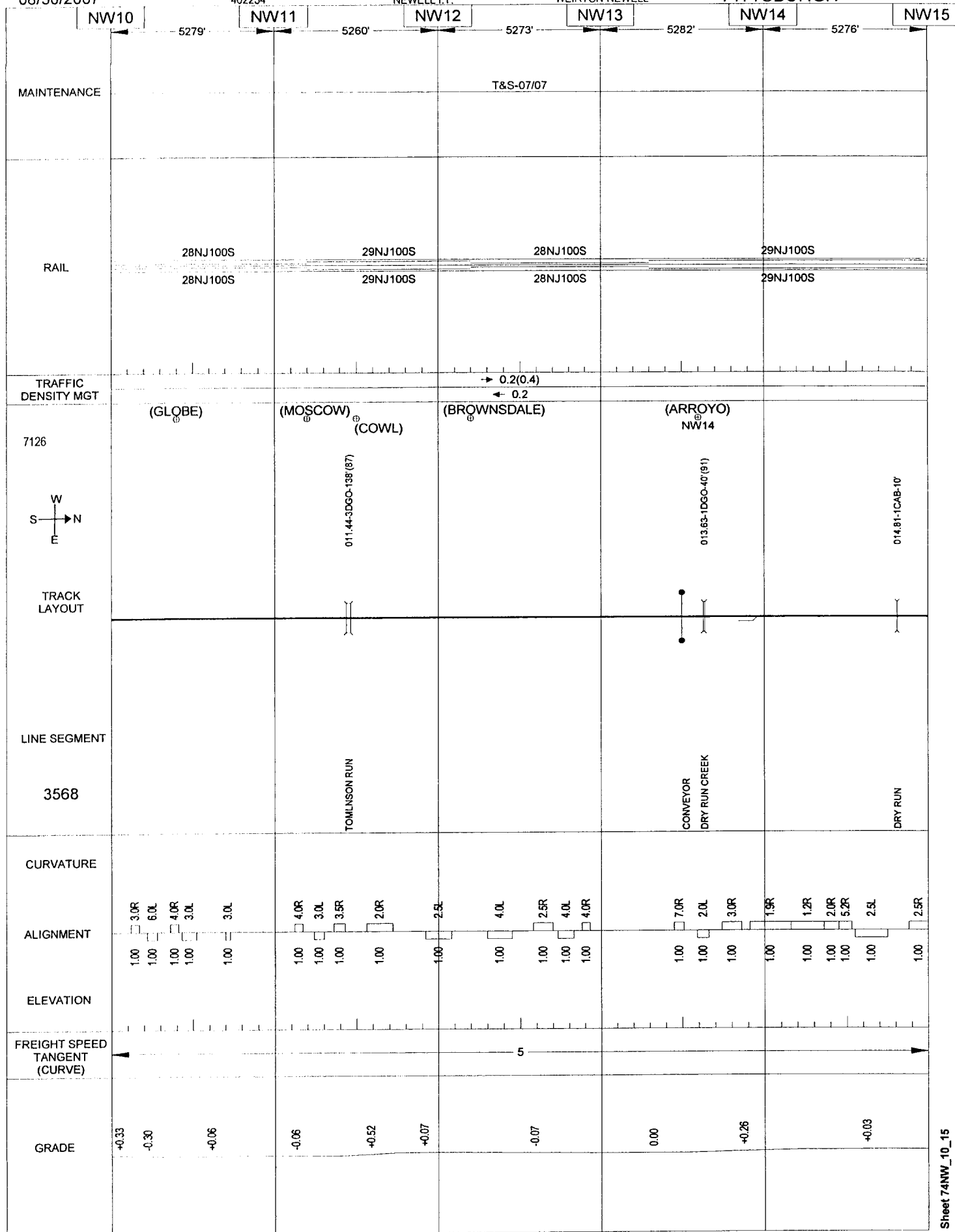
08/30/2007

402234

311
NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH



08/30/2007

402234

312

NEWELL I.T.

WEIRTON-NEWELL

PITTSBURGH

NW15

5280'

NW16

5279'

NW17

5278'

NW18

5281'

NW19

5281'

MAINTENANCE

T&S-07/07

RAIL

29NJ100S

29NJ100S

TRAFFIC
DENSITY MGT

→ 0.2(0.4)
← 0.2

→ 0.3(0.6)
← 0.3

7126

(CONGO)
NW17

(KENILWORTH)
NW18

(NEWELL)
NW19

W
S → N
E

017.70-2TGO-100'(NA)

018.40-1CAB-10'

019.14-1CAB-10'

TRACK
LAYOUT

LINE SEGMENT

3568

510485M
510488B

PRIVATE

510489H

QUAKER STATE OIL

510490C

GLOBE BRICK

ROAD
WATERWAY

ROCK RUN

BITTYS RUN
PRIVATE

CURVATURE

ALIGNMENT

1.00 2.5R 1.00 1.0R

1.00 1.0R

1.00 1.0R

1.00 3.0R

1.00 3.0L

1.00 4.0L 1.00 3.0L

1.00 2.0R

1.00 2.5R

1.00 2.5R

1.00 1.5R

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

5

GRADE

+0.03

-0.18

-0.06

+0.28

+0.14

0.00

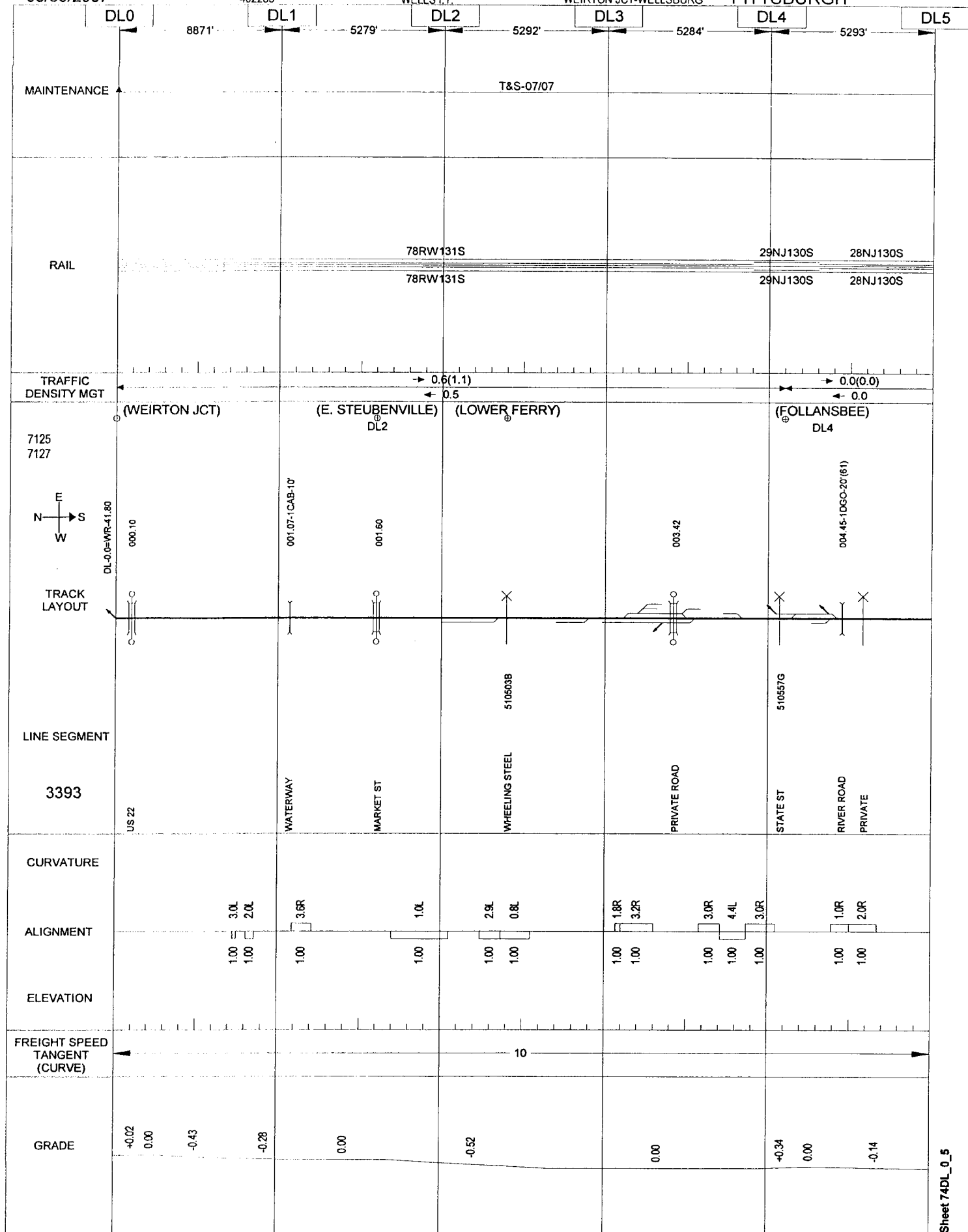
08/30/2007

402235

313
WELLS I.T.

WEIRTON JCT-WELLSBURG

PITTSBURGH



08/30/2007

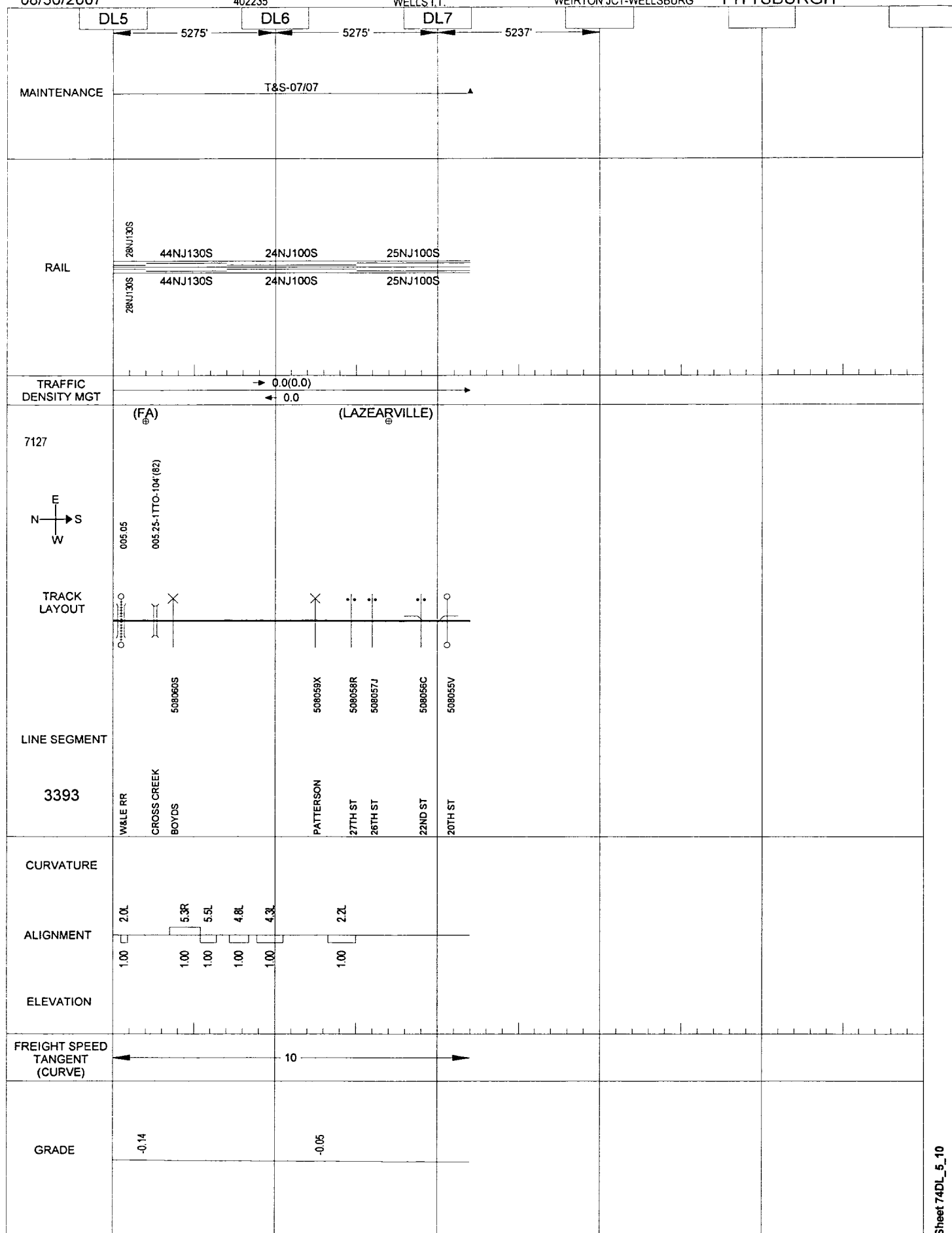
402235

314

WELLS I.T.

WEIRTON JCT-WELLSBURG

PITTSBURGH



08/30/2007

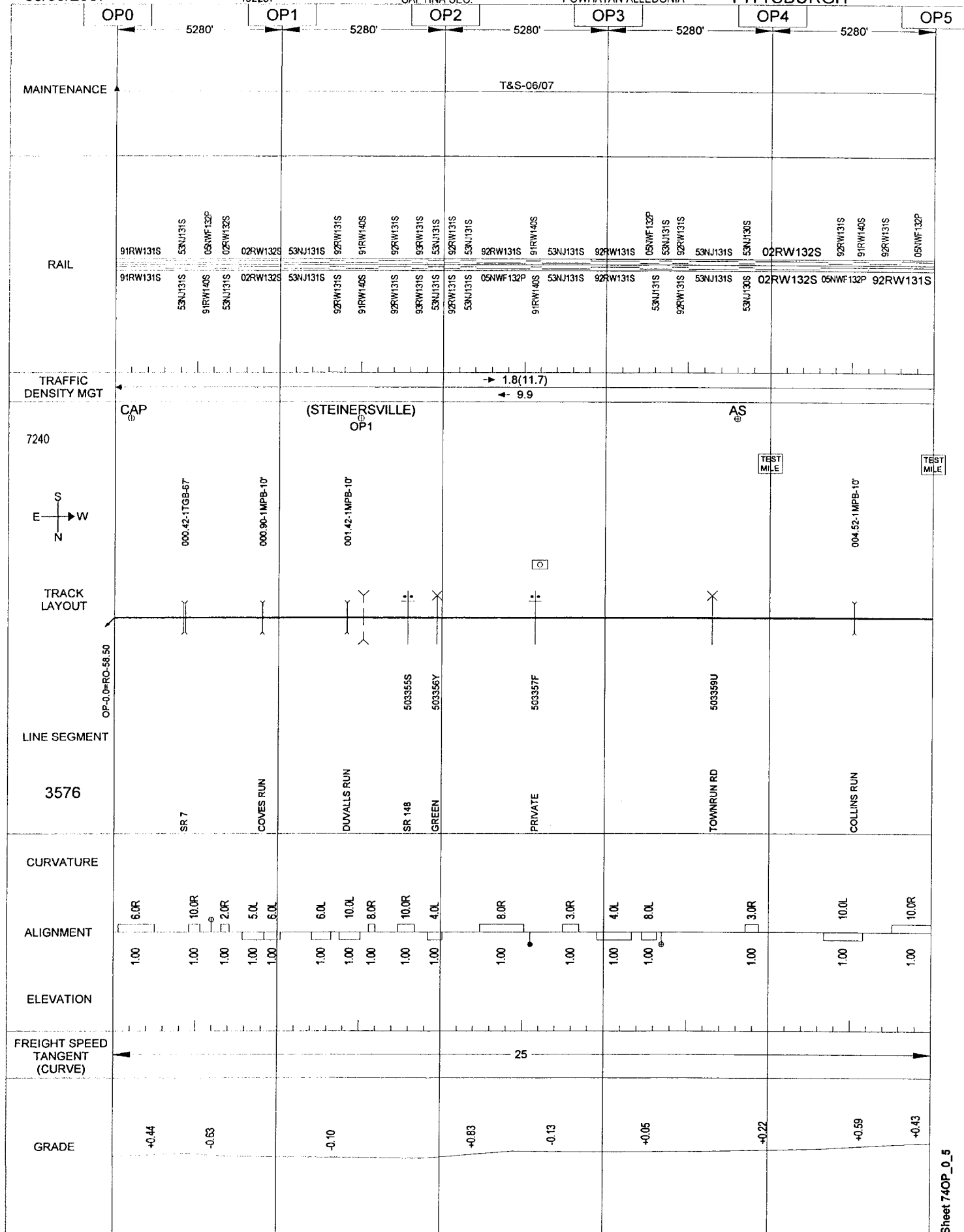
402237

315

CAPTINA SEC.

POWHATAN-ALLEDONIA

PITTSBURGH



08/30/2007

402237

316

CAPTINA SEC.

POWHATAN-ALLEDONIA

PITTSBURGH

OP5

OP6

OP7

OP8

OP9

OP10

5280'

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-06/07

RAIL

05NWF132P 92RW131S 05NWF132P 02RW132S 53NJ130S 00RW136S 53NJ130S 02RW132S 53NJ131S 02RW132S 02RW132S 02RW132S 02RW132S 05NWF132P 92RW131S 69NJ152S

92RW131S 53NJ130S 02RW132S 53NJ130S 53NJ131S 53NJ131S 02RW132S 02RW132S 02RW132S 05NWF132P 92RW131S 69NJ152S

TRAFFIC
DENSITY MGT

→ 1.8(11.7)

← 9.9

7240

S
E → W
N

TRACK
LAYOUT

LINE SEGMENT

3576

NORMANS RUN

MOORES RUN

COLDWELL

KUZIO

VANDINE

CR 148

CAPTINA CREEK

MILL RUN

SHEPHERDS RD

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

(20)

25

(20)

GRADE

+0.43

+0.37

+0.52

+0.32

0.00

+0.83

+0.25

+0.40

0.00

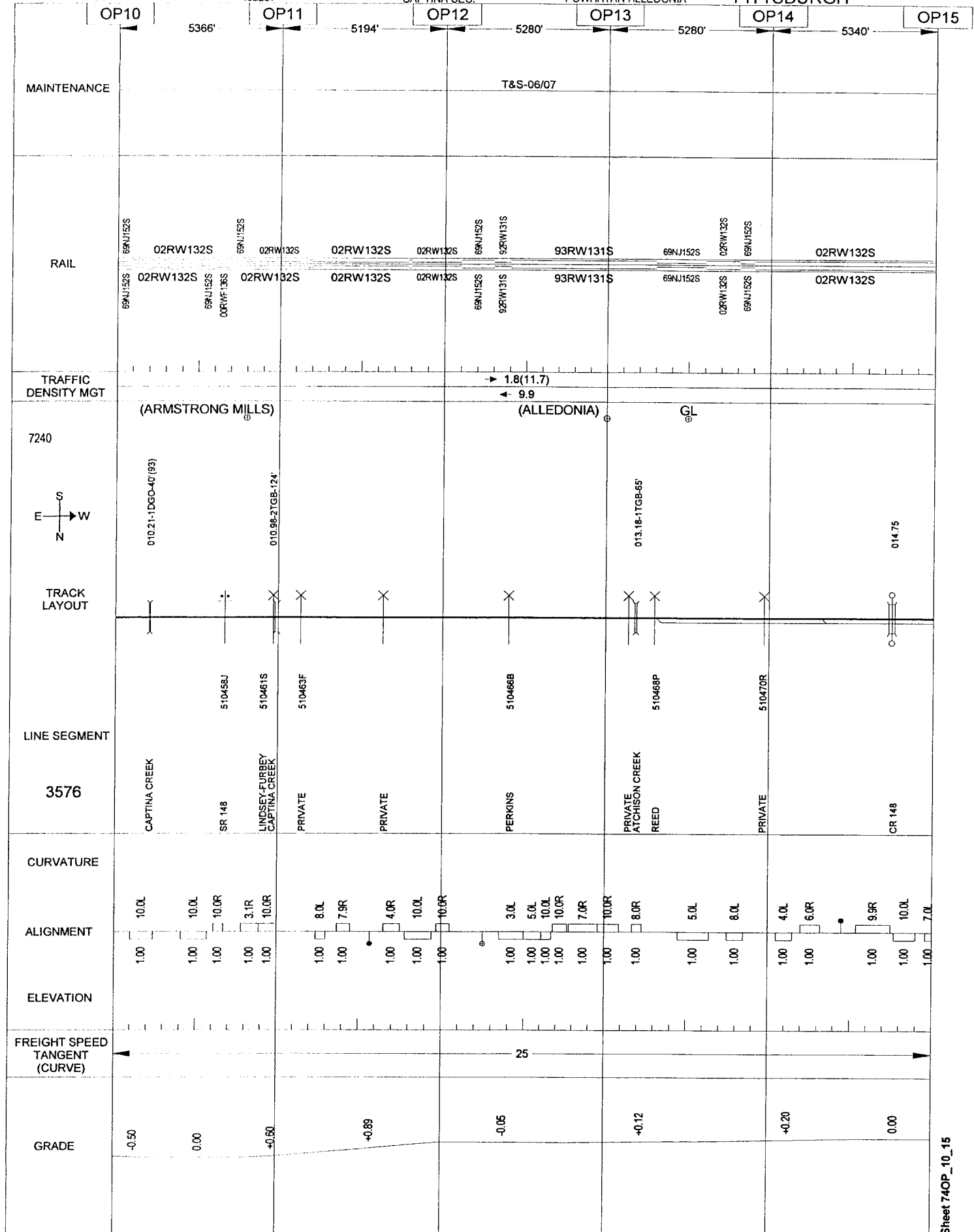
09/06/2007

402237

317
CAPTINA SEC.

POWHATAN-ALLEDONIA

PITTSBURGH



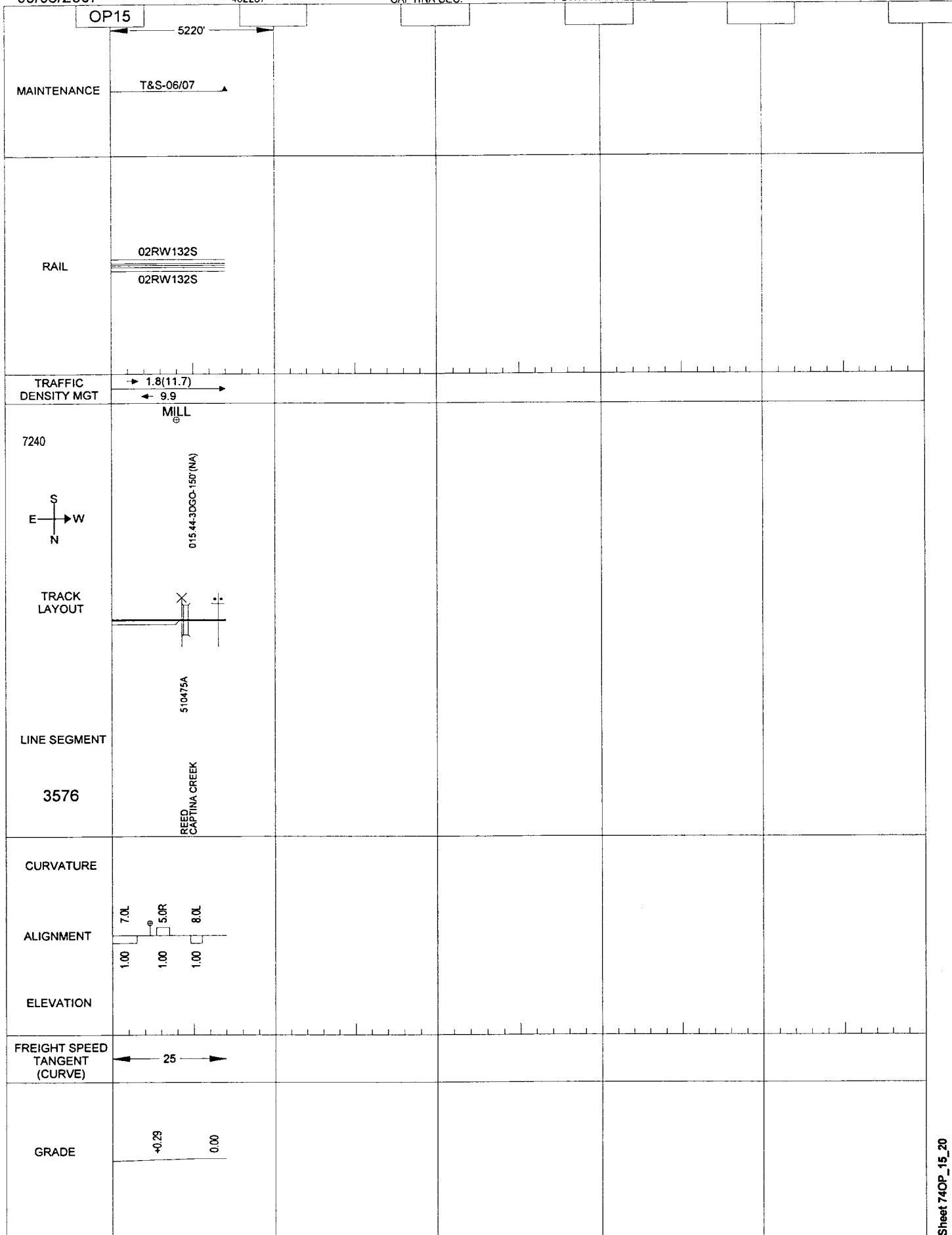
09/06/2007

402237

318
CAPTINA SEC.

POWHATAN-ALLEDONIA

PITTSBURGH



09/06/2007

406501

319

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH

MI106

MI107

MI108

MI109

MI110

5273'

5279'

5287'

5318'

5289'

MAINTENANCE

T&S-10/05

RAIL

67NJ132S

66NW132S

68NJ132S

66NW132S

65RW131S

67NJ132S

66NW132S

68NJ132S

66NW132S

65RW131S

TRAFFIC
DENSITY MGT

0.2(0.6)

0.4

8385

FRENCH
MI106



TRACK
LAYOUT

WNY&P

105.61-3TGO-344' (78)

105.99-1CSB-12'

107.17

107.19

107.34

108.42

105.74-1TGO-80' (80)

LINE SEGMENT

3444

FRENCH CREEK

WATERWAY

MERCER PIKE

KEBORTS

I-79 NB

I-79 SB

HAMIL RD

SR 19

CONN LK OL

CURVATURE

ALIGNMENT

4.1R

3.1R

1.50

1.00

3.1L

2.00

2.0R

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

30
(10)

40

GRADE

-0.18

-0.65

-0.93

-0.74

-0.16

-0.40

-1.04

-0.25

09/06/2007

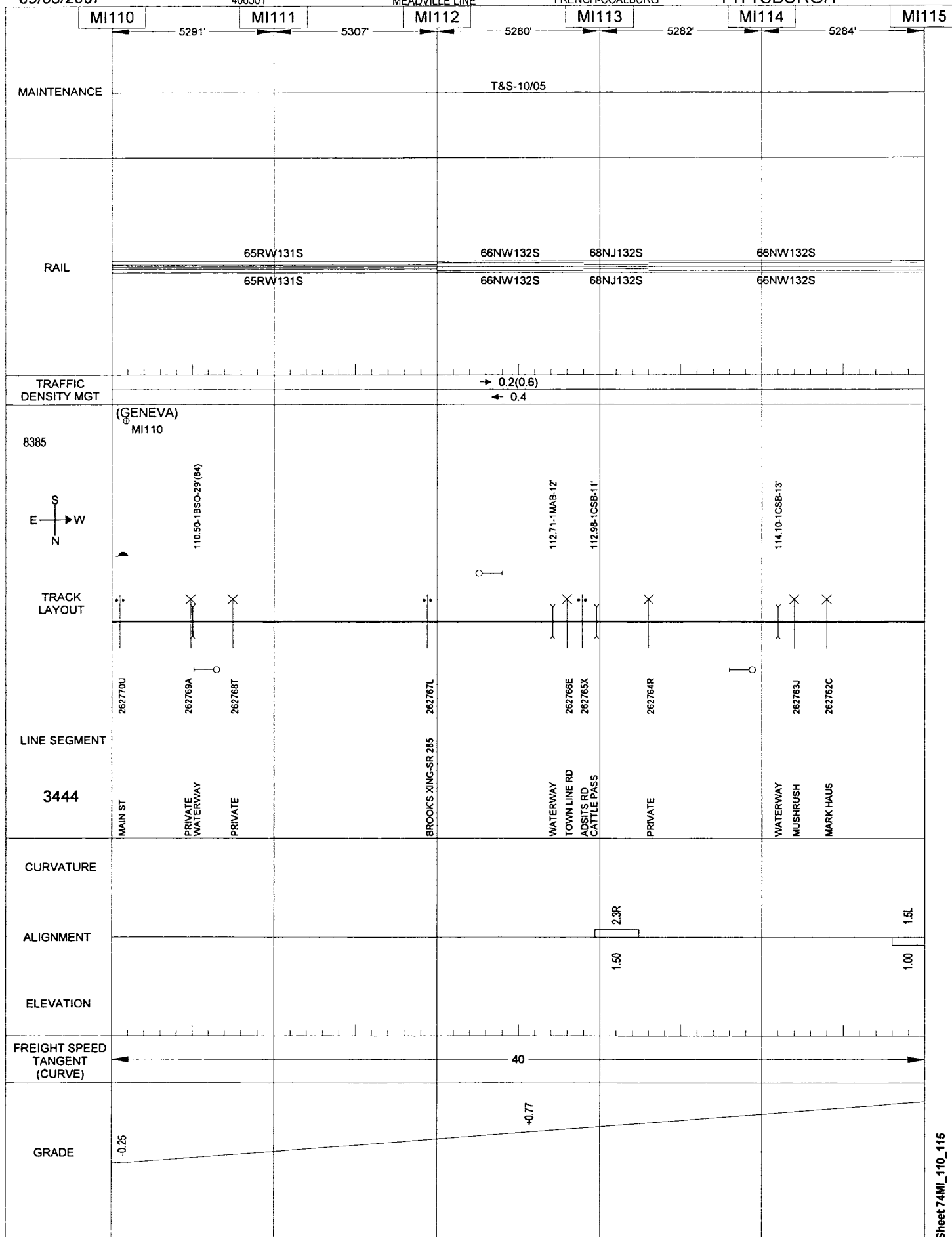
406501

320

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



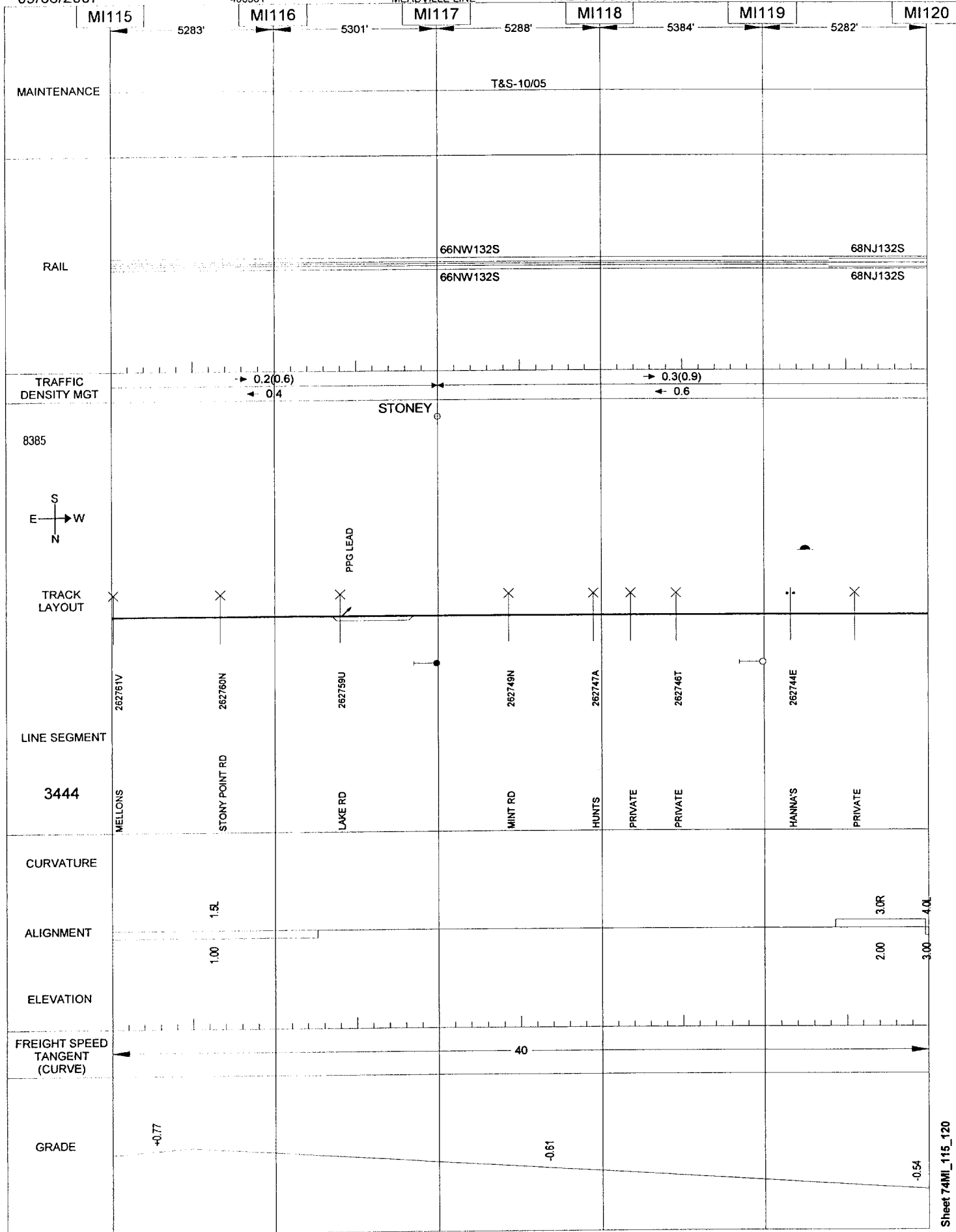
09/06/2007

406501

321
MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



09/06/2007

406501

323

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

65NJ131S

66NW132S

66NW132S

67NJ132S

68NJ132S

66NW132S

TRAFFIC
DENSITY MGT

→ 0.3(0.9)
← 0.6

8385

(AMASA)
⊕

(GREENVILLE)
⊕

GREEN
⊕

MI129



125.79-1TGO-94'(06)

125.98

128.46-1CAB-22'

129.05-1TGO-94'(84)

TRACK
LAYOUT



TRINITY

LINE SEGMENT

3444

LSHEN CREEK
WARNER RD
BL&E RR
262734Y

WILLIAMSON RD
262733S

COLUMBIA AVE
MAIN ST-SR 358
LOW ST
CLINTON ST
262731D
262730W
262729C

MERCER ST

CURVATURE

ALIGNMENT

1.2R

1.7L

3.6L

4.1R

5.0L

3.5R

3.9R

3.6R

5.6R

3.0L

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

20

GRADE

-0.30

09/06/2007

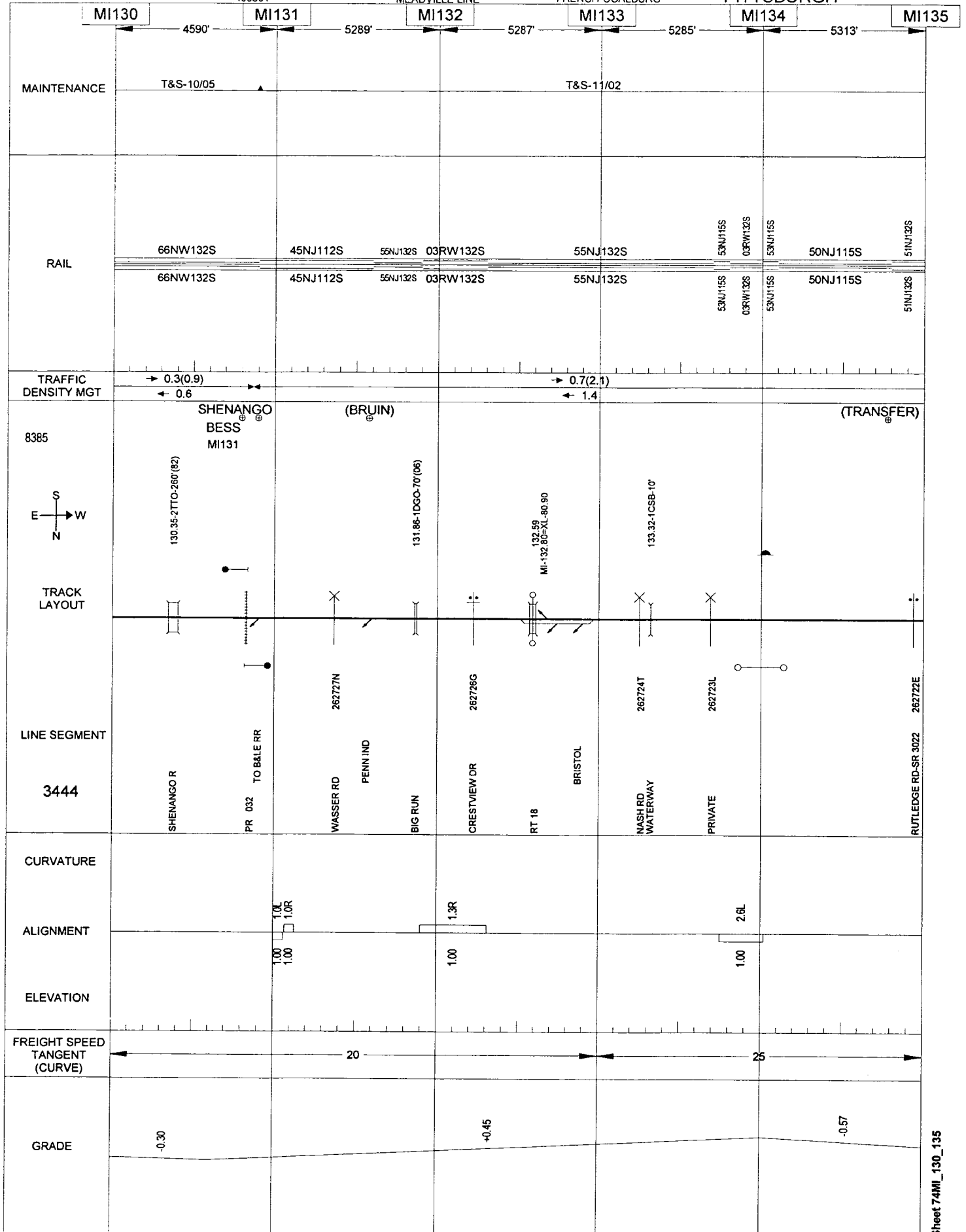
406501

324

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



09/06/2007

406502

325
MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH

MI135

MI136

MI137

MI138

MI139

MI140

5273'

5274'

3696'

5280'

5280'

MAINTENANCE

T&S-11/02

RAIL

51NJ132S

48NJ131S

45NJ131S

44NJ132S

62RJ132S

03RW132S

62RJ132S

03RW132S

62RJ132S

03RW132S

62RJ132S

02RW132S

51NJ132S

02RW132S

62RJ132S

03RW132S

62RJ132S

03RW132S

62RJ132S

02RW132S

TRAFFIC
DENSITY MGT

► 0.7(2.1)
◄ 1.4

► 0.7(2.1)
◄ 1.4

(PYMATUNING)

8385
8378



TRACK
LAYOUT

X

X

137.78-4TGB-400'

138.85-4TGO-420'(90)

139.78-4DGO-400'(06)

LINE SEGMENT

262721X

262720R

SHENANGO RIVER

SHENANGO RIVER

SHENANGO RIVER

3444
3447

CURVATURE

ALIGNMENT

0.5L
1.00

1.5L
1.00

2.3R
1.00

1.5R
1.00

2.5L
1.00

2.5R
1.00

2.5L
1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

25

GRADE

-0.57

-0.51

-0.79

0.00

-0.95

09/06/2007

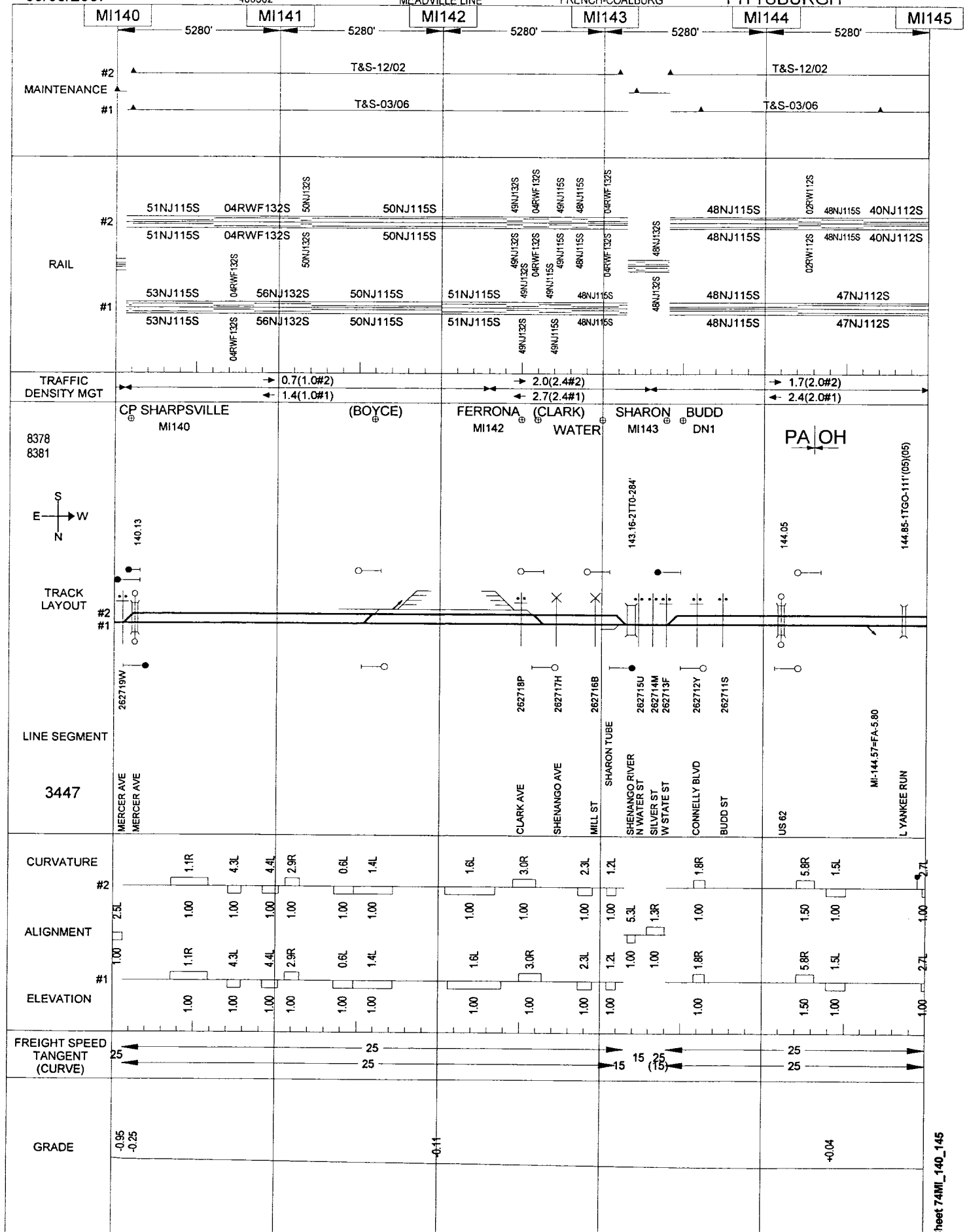
406502

326

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



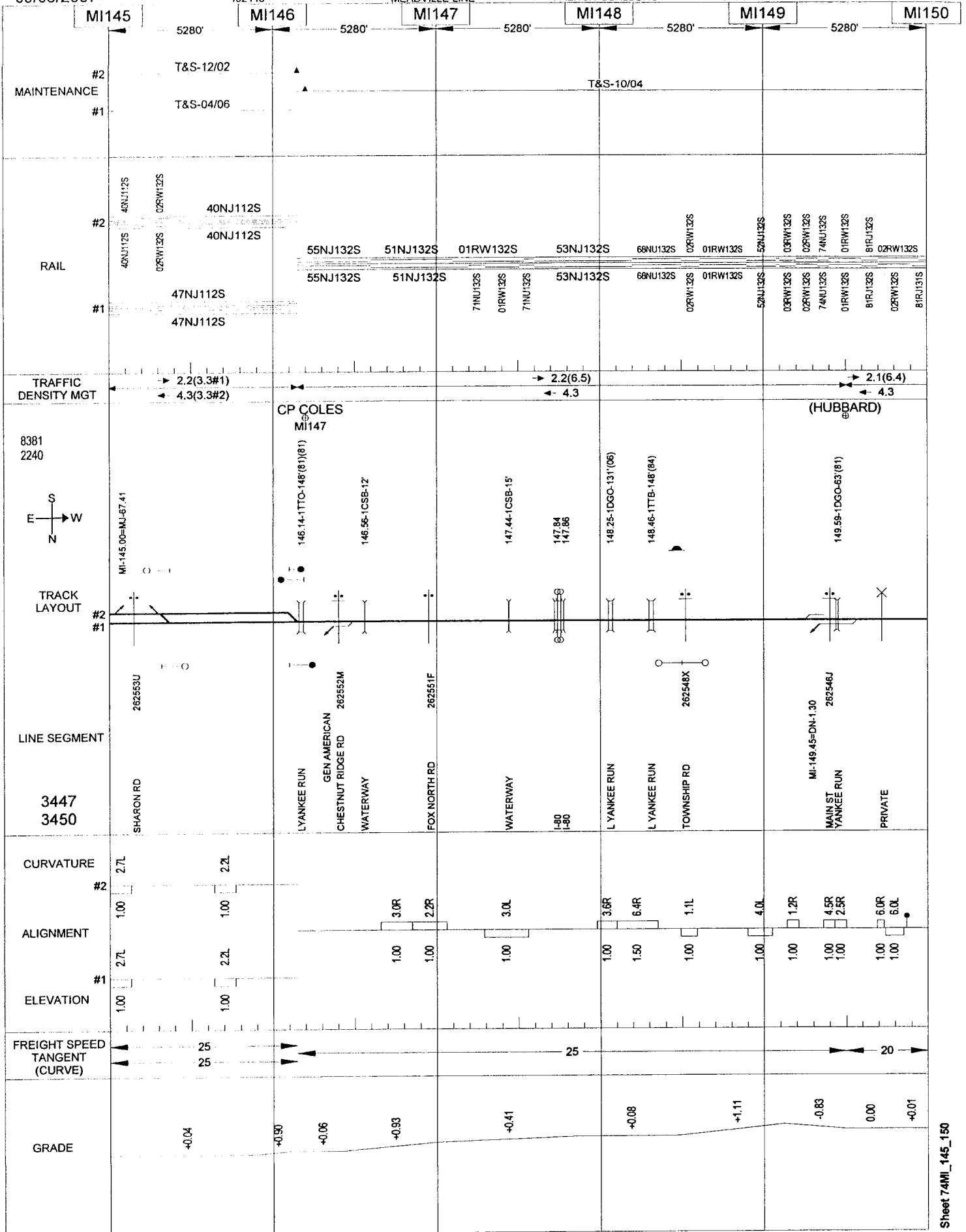
09/06/2007

327

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH



09/06/2007

402443

328

MEADVILLE LINE

FRENCH-COALBURG

PITTSBURGH

M1150

6336'

T&S-10/04

MAINTENANCE

RAIL

81RJ131S 44RJ127S
81RJ131S 44RJ127S

TRAFFIC
DENSITY MGT

→ 2.1(6.4)
← 4.3

2240

(COALBURG)

CP 52

S
E → W
N

150.26-1CSB-11'

MI-150.80=YG-52.39

TRACK
LAYOUT

LINE SEGMENT

3450

MI-150.20YG-51.53

WATERWAY

CURVATURE

ALIGNMENT

6.0L 6.0R
1.00 1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

20

GRADE

+0.01 +0.52 +0.80

09/06/2007

402434

329

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→ 2.5(3.4)
← 0.9→ 0.0(0.0)
← 0.0

7474

TRACK
LAYOUT(WHEATLAND)
(FARRELL YD)(FARRELL)
MJ69

(SHARON)

066.31-3TTC-399'(68)

MJ-67.41=MI+145.00

068.62-1BSO-15'(73)

069.54

LINE SEGMENT

3432

SHENANGO RV

COUNCIL AVE

545028X

545032M

545033U

545034B

545016D

PR 000

WATERWAY

STAUNTON AVE

545018S

SR 62

545020T

545021A

545022S

CONNELLY BLVD

PRIVATE

ESTATE ST

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

0.00

-0.49

0.00

+0.21

0.00

+0.22

+0.47

-0.15

+0.09

0.00

+0.24

+0.52

10

1.5L
1.002.0R
1.001.0R
1.002.9R
1.001.0L
1.000.4L
1.00

09/06/2007

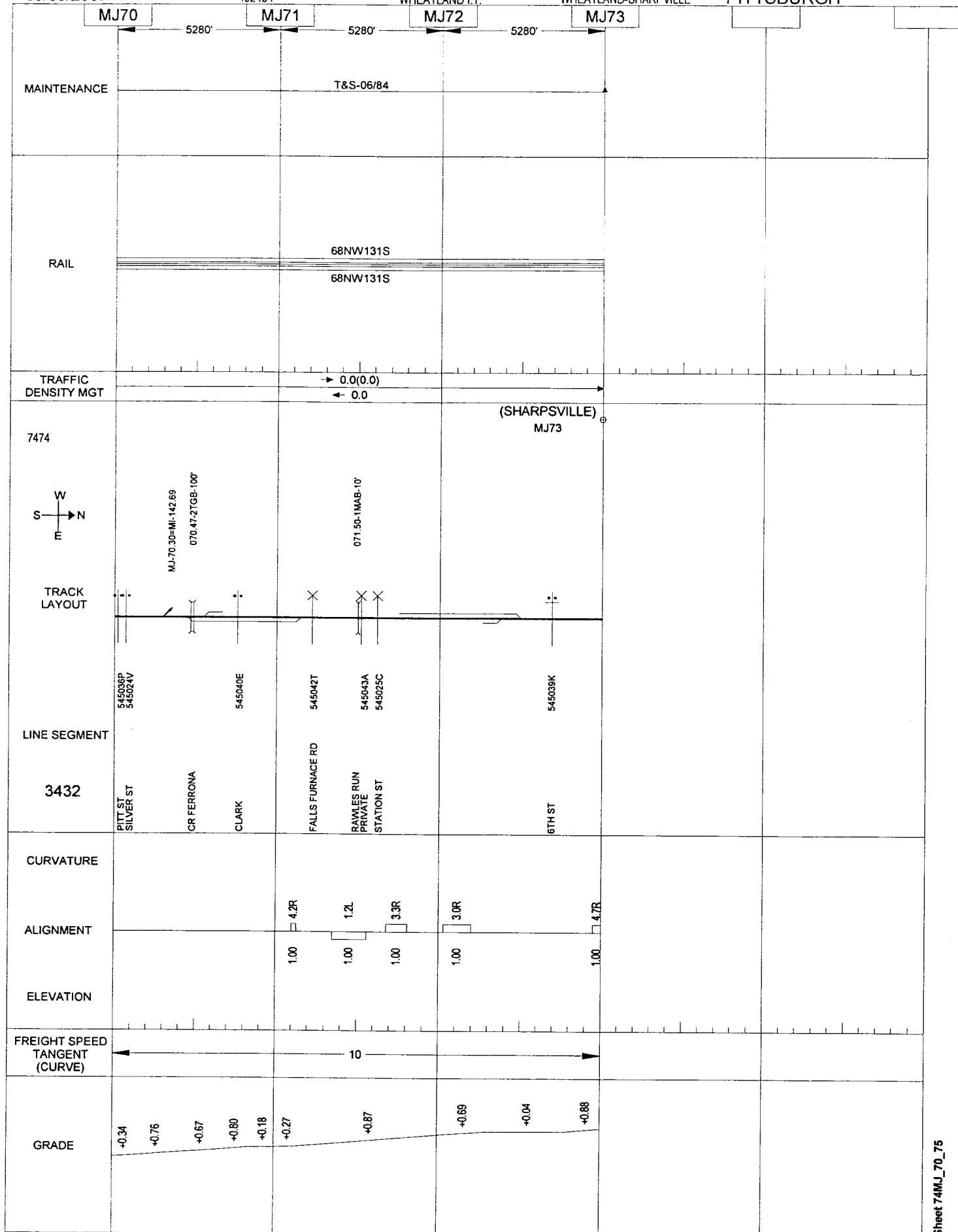
402434

330

WHEATLAND I.T.

WHEATLAND-SHARPVILLE

PITTSBURGH



09/06/2007

402434

331

WHEATLAND I.T.

SHENANGO-JAMESTOWN

PITTSBURGH

XL81

5280'

5280'

MAINTENANCE

T&S-06/69
S-06/74

RAIL

42NJ130S

42NJ130S

TRAFFIC
DENSITY MGT

7474



TRACK
LAYOUT

XL-80-90-MI-132.80

080.96

081.68-1DGO-84'(64)



LINE SEGMENT

3435

SR 18

BIG RUN

CURVATURE

ALIGNMENT

2.0L

1.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

15

GRADE

0.00

-1.01

09/06/2007

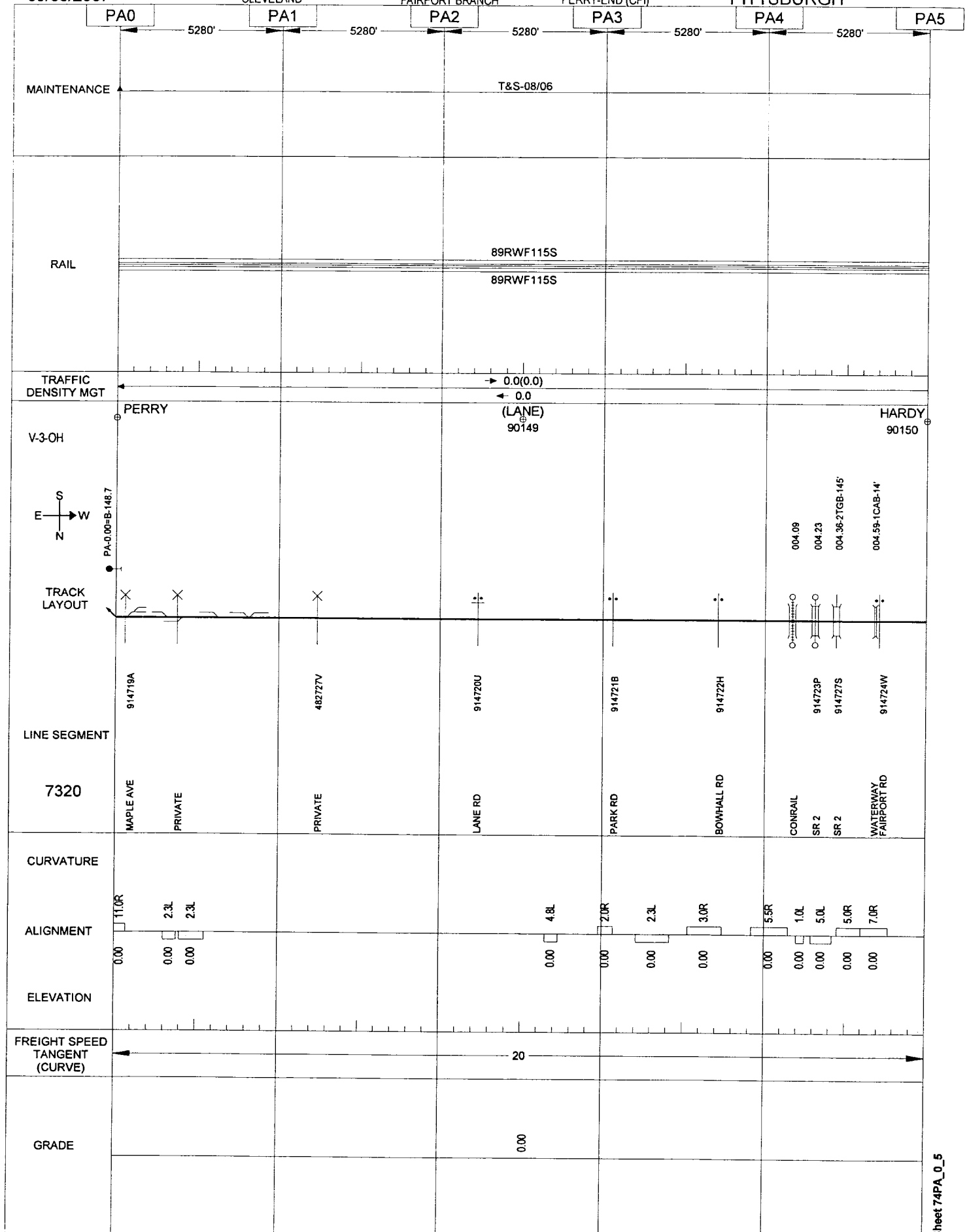
332

CLEVELAND

FAIRPORT BRANCH

PERRY-END (CPI)

PITTSBURGH



09/06/2007

CLEVELAND

333
FAIRPORT BRANCH

PERRY-END (CPI)

PITTSBURGH

PA5

PA6

PA7

PA8

5280'

5280'

5280'

5280'

MAINTENANCE

T&S-08/06

RAIL

89RWF115S

89RWF115S

TRAFFIC
DENSITY MGT

→ 0.0(0.0)

← 0.0

V-3-OH

HARDY
90150FAIRPORT
90152END OF TRACK
90153S
E → W
NTRACK
LAYOUT

LINE SEGMENT

7320

482735M
HARDY RD482737B
PRIVATE

PRIVATE

914725D
PRIVATE482739P
PRIVATE482740J
PRIVATE482741R
6TH ST482742X
EAST ST141882J
HIGH ST

CURVATURE

ALIGNMENT

2.0R
0.005.6L
0.0011.8R
0.003.4L
0.001.0L
0.005.3L
0.004.0L
0.003.0L
0.007.8L
0.007.9R
0.0012.5L
0.006.5L
0.001.5L
0.00

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

20

10

GRADE

0.00

Traffic Density Section -

Track Layout Section -

- 1) Left hand margin gives valuation map I.D., track timetable direction (compass rose), and line segment reporting number.
- 2) Station names and locations are displayed at topmost position in the track layout section (immediately below the traffic density section). Those stations shown in bold print only are timetable stations and those station names which are enclosed in parentheses are non-timetable (reporting) stations. The number shown below the station name is the station code.
- 3) Territory markers (traffic control, test miles, yard limits, state lines, county/incorporated lines) are generally displayed in the area just below the station names. However, on occasion, test miles are displayed below the track line in order to alleviate print congestion problems on some pages.
- 4) Bridge technical specifications are displayed in the top center area between the station names and the track layout. This specification is Bridge number (in milepost format), number of spans, structure construction, and length of structure. See Table 2 for explanation of structure construction codes. For open deck bridges, tie replacement dates (year) are provided in parentheses following the bridge technical specifications. Single main track with one redecking date is displayed as (XX). If two dates are available they are displayed as (XX,XX). If three or more dates are available they are displayed as a range (XX-XX) with the first year being the earliest date and the second year being the latest date. This same convention applies to multiple main tracks with the first set of () containing track 1 data, the second set of () containing track 2 data, the third set of () etc.. If page space limitations do not allow the dates to be displayed after the bridge specifications these dates are displayed in any space available adjacent to the specifications. More detailed information for all open deck bridges is provided in Table 3 which follows this Explanation of Graphic Display section.
- 5) Signals, signal structures, AEI scanners, microwave towers, radio base stations, telephones, and the various types of wayside detectors are displayed on the appropriate side of the track and in the area just above or just below the track diagram.
- 6) The track diagram for main line, side tracks, crossovers, leads, and yard track, including types of turnouts between single main and double main territory is displayed in the center of the track layout section. The heavy lines represent main tracks and their crossovers and switches. The lighter weight lines represent side and other tracks. Connections with other lines are typically indicated by a milepost equation (see item 8) or the identity of the connecting line (for example, "Begin Piedmont Division" or "To CSX"). Details of this display are limited to switches on main track and adjacent track. In some cases yard track symbols are used to indicate the presence of multiple tracks too complex to show in detail. Also shown in this area are the graphic symbols for the various grade crossing types, clearance detectors, overpasses, underpasses, bridges, tunnels, and other overhead structures. The common names (street, highway, river) associated with these graphic symbols are displayed at the bottom of the track layout section. Note: For railroad crossings at grade, the display convention, when available, is: Owing Road, Crossing Type, Angle, and Maintaining Road. Crossing types are:

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

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

Alignment Section -

- 1) Graphic representation is given for curve direction, length, and superelevation for each main.
- 2) Curvature is specified to tenths of a degree above each main along with left/right indication. Superelevation is specified in inches.
- 3) Location of wheel flange and top of rail lubricators is given along mains.

Freight Speed Section -

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

Grade Section -

Grade shown is based on ascending milepost direction.

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

TABLE 1
RAIL TYPE CODES

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

TABLE 2
BRIDGE TYPE CODES

Type of Bridge Structure

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

Deck Construction

O = Open Deck
B = Ballast Deck
C = Combination

APPENDIX

RAIL AND T&S FOR 3RD AND 4TH MAIN TRACKS

ALTO-SG	PT 236.51-278.00	339
CP PENN-EAST CONWAY	PC 001.74-020.50	348

09/06/2007

402102

339

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

PT237

PT238

PT239

PT240

5242'

5320'

5187'

5372'

5274'

MAINTENANCE
#3

T&S-05/06

RAIL #3

78NW132S

97NW136S

99NWF136S

71NW140S

93NW136S

97NW136S

01NW136S

71NW140S

86NW132S

93NW136S

98NW136S

02NW141S

71NW140S

78NW132S

97NW136S

71NW140S

93NW136S

07NW136P

01NW136S

71NW140S

01NW136P

99NW136S

02NW141S

TRAFFIC
DENSITY MGT



TRACK
LAYOUT

LINE SEGMENT

3306

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

09/06/2007

402102

340

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT240	PT241	PT242	PT243	PT244	PT245
	5276'	5287'	5282'	5270'	5385'	
MAINTENANCE #3	T&S-05/06					
RAIL #3	98NW136S 00NWF136P 02NW141P 98NW136S 01NW136P	02NW141S 96NW136S 96NW136S 98NW136S	05NWF141P 07NW136P 93NW136S 93NW136S 99NW136S 93NW136S	06NW136P 02NW141S 71NW140S 98NW136S	88NW132S 00NWF136P 02NW141S 00NWF136P 99NW136S	05NWF141P 00NWF136P
TRAFFIC DENSITY MGT						
<div data-bbox="161 840 251 919"> </div> <div data-bbox="171 984 251 1026"> <p>TRACK LAYOUT</p> </div>						
LINE SEGMENT						
3306						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402102

341
PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT245	PT246	PT247	PT248	PT249	PT250
	5149'	5311'	5307'	4646'	5238'	
#3 MAINTENANCE					T&S-05/06	
#4					T&S-05/06	
#3 RAIL	93NW136S 01NW136P 97NW136S 99NW136S 02NW141S 00NW136P	02NW141P 01NW136S	95NW136S	71NW140S 07NW136P	92NW136S 73NW140S 99NW136P 73NW140S 92NW136S 01NW136P 99NW136P 05NW141P	
#4	00NW136P 95NW136S 97NW136S 88NW136S 01NW136P	02NW141P 02NW141S	95NW136S	71NW140S	02NW141P	
TRAFFIC DENSITY MGT						
<div> <div>S</div> <div>E</div> <div>N</div> <div>W</div> </div> TRACK LAYOUT						
LINE SEGMENT						
3306 3309						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402102

342

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT250	PT251	PT252	PT253	PT254	PT255
	5304'	5136'	5311'	5162'	4682'	
MAINTENANCE	#3 T&S-05/06 ▲ #4 T&S-05/06 ▲▲			T&S-07/07		
RAIL	#3 73NW140S 75NW140S 73NW140S #4 73NW140S 75NW140S 73NW140S			73NW140S 73NW140S		
TRAFFIC DENSITY MGT						
<div> <div>S</div> <div>E → W</div> <div>N</div> </div> <p>TRACK LAYOUT</p>						
<p>LINE SEGMENT</p> <p>3309</p>						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402102

343

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT255	PT256	PT257	PT258	PT259	PT260
	4594'	4519'	4631'	4546'	4626'	
MAINTENANCE #3						
RAIL #3	73NW140S		74NW140S		95NW136S	
	73NW140S		74NW140S		95NW136S	
TRAFFIC DENSITY MGT						
<div data-bbox="161 840 252 919"> </div>						
TRACK LAYOUT						
LINE SEGMENT						
3309						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402102

344

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT260	PT261	PT262	PT263	PT264	PT265
	4826'	4874'	4861'	4865'	5248'	
MAINTENANCE #3	T&S-07/07					
RAIL #3	95NW136S 95NW136S	74NW140S 74NW140S		93NW136S 93NW136S	88NW132S 02NW141P 88NW132S	
TRAFFIC DENSITY MGT						
<div data-bbox="161 835 249 919"> </div> TRACK LAYOUT						
LINE SEGMENT						
3309 3312						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402102

345
PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

PT265

PT266

PT267

PT268

PT269

PT270

5265'

5271'

5299'

5270'

5286'

MAINTENANCE
#3

T&S-07/07

T&S-10/02
S-06/05

RAIL
#3

89NW132S 01NW136S 00NWF136P

77NW140S

92NW136S

03NW141P

98NW136S

99NWF136P

07NW136P

77NW140S

97NW136S

04NWF141P

93NW136S

98NW136S

04NWF141P

89NW132S 01NW136S 03NW141P

77NW140S 02NW141P

92NW136S

98NW136S

07NW136P

77NW140S

99NWF136P

77NW140S

97NW136S

98NW136S

07NW136P

98NW136S

77NW140S

TRAFFIC
DENSITY MGT



TRACK
LAYOUT

LINE SEGMENT

3312

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

09/06/2007

402102

346

PITTSBURGH LINE

ALTOONA-PITTSBURGH

PITTSBURGH

	PT270	PT271	PT272	PT273	PT274	PT275
	5315'	5277'	5246'	5120'	5476'	
MAINTENANCE #3						
RAIL #3	98NW136S 77NW140S 95NW136S 06NW136P 84RW140S 02NW141P 84RW140S	98NW136S 77NW140S 95NW136S 06NW136P 84RW140S 02NW141P 84RW140S	98NW136S 77NW140S 95NW136S 06NW136P 84RW140S 02NW141P 84RW140S	98NW136S 77NW140S 95NW136S 06NW136P 84RW140S 02NW141P 84RW140S	98NW136S 77NW140S 95NW136S 06NW136P 84RW140S 02NW141P 84RW140S	98NW136S 77NW140S 95NW136S 06NW136P 84RW140S 02NW141P 84RW140S
TRAFFIC DENSITY MGT						
<div> <div>S</div> <div>E → W</div> <div>N</div> </div>						
TRACK LAYOUT						
LINE SEGMENT						
3312 3315						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402102

347
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



TRACK
LAYOUT

LINE SEGMENT

3315

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

09/06/2007

402202

348

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

PC2

PC3

PC4

PC5

4665'

5280'

5180'

5410'

5254'

#3
MAINTENANCE
#4

T&S-08/06

T&S-08/06

RAIL

#3

#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 MGT



TRACK
LAYOUT

LINE SEGMENT

3396

CURVATURE

ALIGNMENT

ELEVATION

FREIGHT SPEED
TANGENT
(CURVE)

GRADE

09/06/2007		402202		349 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		98NW136S		96NW136S		68NW140S			
		77NW140S		98NW136S		96NW136S		68NW140S			
TRAFFIC DENSITY MGT											
<div><div>S</div><div>E</div><div>N</div><div>W</div></div>											
TRACK LAYOUT											
LINE SEGMENT											
3396											
CURVATURE											
ALIGNMENT											
ELEVATION											
FREIGHT SPEED TANGENT (CURVE)											
GRADE											

Sheet 74PC_5_10

09/06/2007

402202

350

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	76NW140S 01NW136S	99NWF136P 00NWF136S	76NW140S	99NWF136S 76NW140S 67RW132S 98NW136S 79RW132S 76NW140S
TRAFFIC DENSITY MGT						
<div data-bbox="161 842 249 919"> </div> TRACK LAYOUT						
LINE SEGMENT 3396						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402202

351
FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH

	PC15	PC16	PC17	PC18	PC19	PC20
	5197'	5293'	5163'	5251'	5295'	
MAINTENANCE			T&S-08/03			
#3						
#4		T&S-08/06		T&S-09/06		T&S-09/00 S-04/03
RAIL						
#3		76NW140S		06NW136S	76NW140S	
#4		76NW140S		06NWF136P	76NW140S	
		76NW140S		06NWF136P	76NW140S	
		76NW140S		02NW141S	76NW140S	
TRAFFIC DENSITY MGT						
TRACK LAYOUT						
LINE SEGMENT						
3396						
CURVATURE						
ALIGNMENT						
ELEVATION						
FREIGHT SPEED TANGENT (CURVE)						
GRADE						

09/06/2007

402202

352

FORT WAYNE LINE

PITTSBURGH-CRESTLINE

PITTSBURGH


PC20	5272'	5323'	5284'	5130'	5339'
MAINTENANCE #3 T&S-08/03 ▲ #4 ◆◆◆					
RAIL #3 78RW140S 78RW140S #4 76NW140S 76NW140S					
TRAFFIC DENSITY MGT					
 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	2006
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	2006
			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
313	DL-004.45	004.45	01	1961
314	DL-005.25	005.25	01	1982
283	EL-000.10	000.20	01	1999
283	EL-001.14	001.21	01	1983
284	EL-006.82	006.92	01	1985
284	EL-007.00	007.09	01	2001
284	EL-007.18	007.28	01	1993
284	EL-007.80	007.88	01	2000
284	EL-008.13	008.23	01	1983
284	EL-009.30	009.45	01	1983
285	EL-010.65	010.82	01	1998
285	EL-010.92	011.07	01	1997
285	EL-011.16	011.31	01	1997
285	EL-013.64	013.64	01	1975
286	EL-015.06	015.06	01	1965
286	EL-017.40	017.40	01	1983
286	EL-018.05	018.05	01	1988
286	EL-019.07	019.07	01	1988
286	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

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
223	KR-085.41	085.41	01	1981
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
267	LR-001.26	001.26	01	1994
270	LR-017.62	017.62	01	1980
273	LR-030.26	030.26	01	1983
276	LR-047.04	047.04	01	NA
280	LR-066.27	066.24	01	1991
280	LR-066.51	066.48	01	1991
280	LR-068.10	068.05	01	1992
280	LR-068.73	068.72	01	1991
281	LR-070.41	070.46	01	1997
281	LR-071.64	071.64	01	NA
319	MI-105.61	105.61	01	1978
319	MI-109.74	109.74	01	1980
320	MI-110.50	110.50	01	1984
323	MI-125.79	125.79	01	2006
323	MI-129.05	129.05	01	1984
324	MI-130.35	130.35	01	1982
324	MI-131.86	131.86	01	2006
325	MI-138.85	138.85	01	1990
325	MI-139.78	139.78	01	2006
326	MI-144.85	144.85	BOTH	2005
327	MI-146.16	146.14	BOTH	1981
327	MI-148.05	148.25	01	2006
327	MI-148.30	148.46	01	1984
327	MI-149.44	149.59	01	1981
329	MJ-066.31	066.31	01	1968
329	MJ-068.62	068.62	01	1973
243	ML-001.11	001.20	BOTH	2005
			BOTH	2002
			BOTH	2001
243	ML-001.55	001.85	02	2004
			02	2002
244	ML-007.70	007.70	01	1984
244	ML-007.70	007.70	02	1986
244	ML-007.97	007.97	01	2002
244	ML-007.97	007.97	02	1996
253	ML-052.81	052.90	01	1986
253	ML-054.40	054.50	01	2005
254	ML-059.33	059.33	01	1995
255	ML-061.52	061.46	01	1994
255	ML-062.07	062.03	01	1995
256	ML-067.34	067.24	01	1995
237	NJ-021.64	021.64	01	NA
311	NW-011.44	011.44	01	1987
311	NW-013.63	013.63	01	1991
312	NW-017.70	017.70	01	NA
291	OC-058.27	058.17	01	1980
316	OP-008.31	008.35	01	1993
316	OP-008.94	008.95	01	1993
316	OP-009.01	009.01	01	1993
317	OP-010.21	010.21	01	1993
318	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
53	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	2006
73	PC-102.26	102.26	BOTH	2006
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	01	1973
80	PC-135.69	135.69	02	2006
80	PC-135.97	135.98	01	1979
80	PC-135.97	135.98	02	1980
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	2006
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	2006
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	2006

<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	2006
101	RD-053.08	053.05	01	1979
101	RD-053.36	053.33	01	2006
101	RD-054.20	054.20	01	2004
102	RD-055.29	055.29	01	2006
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
292	RO-000.25	000.20	01	1989
293	RO-005.62	005.62	01	1985
296	RO-023.65	023.63	01	2006
297	RO-025.84	025.84	01	1994
297	RO-026.56	026.56	01	2006
297	RO-028.54	028.54	01	2006
297	RO-029.39	029.39	01	1975
297	RO-029.90	029.90	01	1975
298	RO-030.66	030.66	01	1985
298	RO-030.88	030.88	01	1989
298	RO-032.61	032.61	01	1984
298	RO-033.84	033.87	01	1985
299	RO-039.81	039.81	01	1984
300	RO-044.24	044.24	01	1981
303	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
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
290	WX-000.17	000.17	01	1995
261	WY-003.15	003.28	01	1967
261	WY-003.44	003.56	01	1992
262	WY-007.28	007.57	01	1992
262	WY-007.50	007.78	01	1967
331	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

<u>PAGE</u>	<u>MILE POST</u>	<u>BRIDGE NUMBER</u>	<u>TRACK</u>	<u>YEAR REDECKED</u>
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	2006
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
288	YN-000.18	000.26	01	1987
288	YN-000.55	000.55	01	1994
288	YN-000.83	000.83	01	1994
288	YN-001.78	001.78	01	NA