

**NORTH AMERICA**

**GRAND TRUNK WESTERN RR**

**1993 MAINTENANCE**

**PROGRAM**

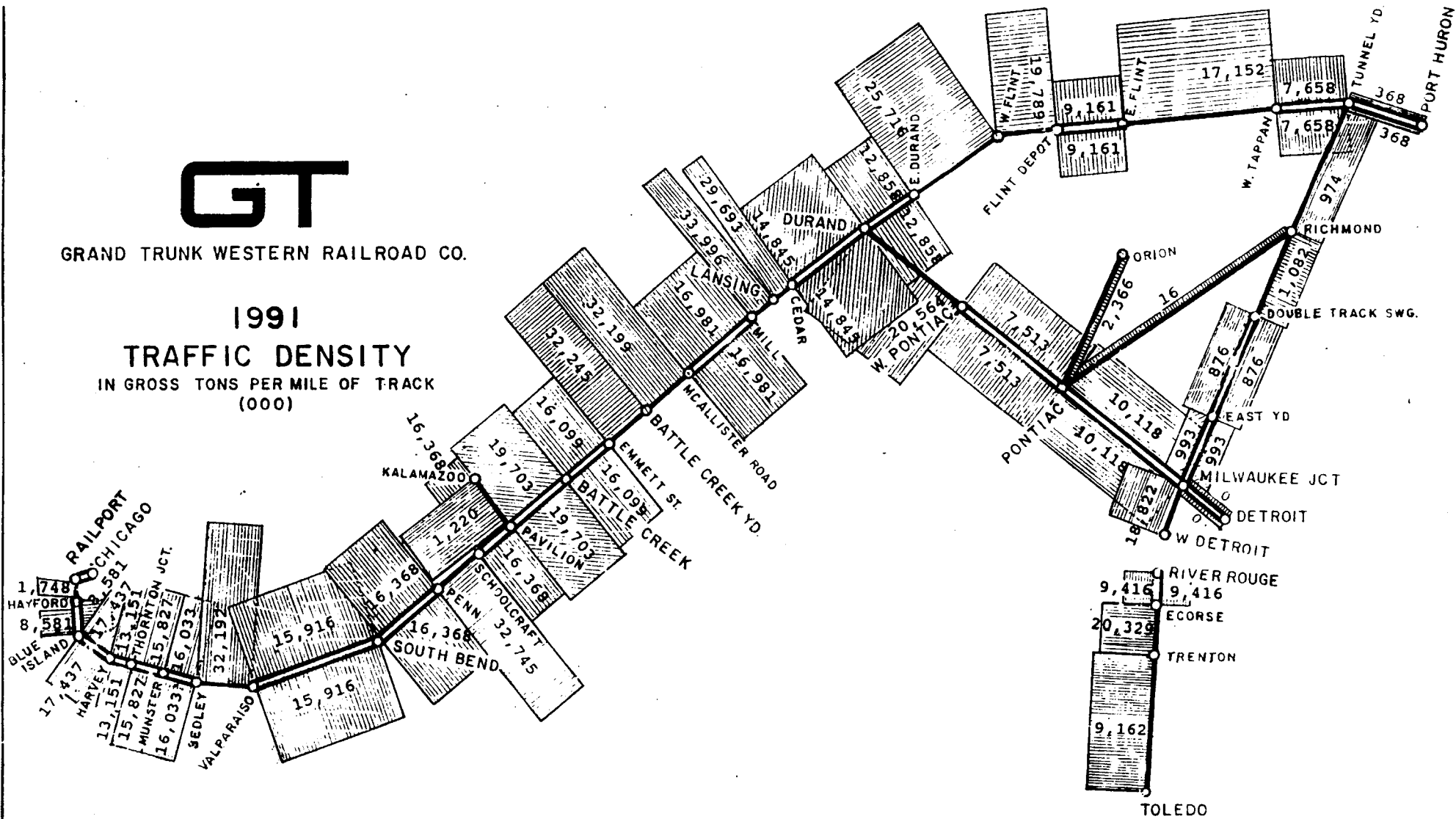
**&**

**TRACK CHART**



GRAND TRUNK WESTERN RAILROAD CO.

1991  
TRAFFIC DENSITY  
IN GROSS TONS PER MILE OF TRACK  
(000)



FORDSON

1,015

OAKWOOD

4,674

PENFORD

4,850

FORDHAVEN

3,662

DETROIT

1,553

ECORSE

3,425

WYANDOTTE

6,680

TRENTON

18,346

**GT**

GRAND TRUNK WESTERN RAILROAD CO.

FLAT ROCK

12,483

CARLETON

12,937

DIAMM

6,367

TOLEDO

6,532

TRAFFIC DENSITY

IN GROSS TONS PER MILE OF TRACK

1991

DELTA

6,860

WALNATA

6,847

WAMLER

6,448

LEIPSIG

6,449

LIMA

NUMBERS INDICATE GROSS TON MILES  
EXPRESSED IN THOUSANDS

MAITLAND

5,666

SPRINGFIELD

215

5,127.5

CINCINNATI

# YEAR - END STATUS AND CURRENT YEAR PROGRAM LEGEND

DATE OF CONDITION PRECEDES  
CODE (IF KNOWN)

CONDITIONS	CODES
SURFACING	YEAR LAST SURFACED
TIES	(YEAR INSTALLED ONLY & ONLY IF MORE THAN 300 PER MILE)
RAIL (SEE NOTE BELOW)	CW = CONTINUOUS WELDED MLW = MULTILENGTH WELDED (78'-11' ETC) ALL OTHER RAIL IS JOINTED & IN 39' LENGTHS C = CROPPED
BAL. CLEANING	S = SPENO

## NOTE: STATUS AT DEC. 31.




ITEMS ARE SHOWN ON THE FIRST LINE OF  
PAIR FOR LENGTH OF TRACK AFFECTED.  
RAIL: ONLY RAIL WEIGHTS SHOWN ARE 132, 130,  
115, 112, 100, 90 & 80 LBS./YD.  
YEAR ROLLED IN MILL: INDICATED BY "R" FOL-  
LOWED BY YEAR-2 NUMBERS ONLY. e.g. "R 66"  
MEANS ROLLED NEW IN 1966.  
YEAR RAIL LAID INTO TRACK: INDICATED BY "L"  
FOLLOWED BY YEAR & "CW" FOR CONTINUOUS  
WELDED OR "MLW" FOR MULTIPLE LENGTH  
WELDED. e.g. "L69" MEANS LAID INTO TRACK  
IN 1969. IT WILL BE UNDERSTOOD THAT RAIL  
THUS SHOWN IS NEWLY ROLLED AND NEVER  
LAID INTO TRACK BEFORE.  
WHEN USED OR PARTLY WORN RAIL IS LAID  
INTO TRACK IT IS SHOWN THUS: "L69PW"  
RAIL DATA NOT SHOWN FOR TRACK SEG-  
MENTS LESS THAN 1300 FEET LONG.

## THIS YEAR'S WORK PROGRAM

ITEMS ARE SHOWN ON SECOND LINE OF PAIR  
FOR LENGTH OF TRACK AFFECTED.  
RAIL: SAME SYMBOL SYSTEM AS FOR DEC. 31  
STATUS.  
TIES: ONLY SHOWN WHEN MORE THAN 300 PER  
MILE TO BE INSTALLED.  
SURFACING/SMOOTHING: TYPE OF MACHINE ALSO  
SHOWN.

ADDITIONAL PROJECTS AS APPLICABLE ARE SHOWN:  
BALLAST CLEANING AT ENDS OF TIES OR  
COMPLETE UNDERCUTTING WITH OR WITH-  
OUT RECOVERY OF MOST BALLAST.  
RAIL GRINDING BY TRAIN:  
SPERRY RAIL TESTING:  
VEGETATION CONTROL:  
BALLAST AREA "BA"  
BRUSH AREA (SIDE) - NORTH-SOUTH, WEST  
-EAST, "BA-N", "BA-S", "BA-W",  
"BA-E."

## CHART LEGEND

STATION NAME	XXX
PUBLIC ROAD X-ING PROTECTION:	
ACTIVE WARNING	/GP
PASSIVE WARNING	/G
OVERHEAD BRIDGES	*-100% BY GTW. //CH MAINTENANCE **-JOINT
UNDERGRADE BRIDGES	//
CURVE ORIENTATION (FACING IN DIRECTION OF INCREASING MILEAGE)	(RIGHT CURVE)  (LEFT CURVE) 
STATE LINES	----
DETECTOR (DRAGGING EQUIPMENT)	==
HOT BOX DETECTOR (POINTING IN DIRECTION OF TRAFFIC)	
SIGNALS	INO
INTERLOCKINGS	NTL
SPRING SWITCHES	S
ELECTRIC SWITCHES	PO
Jointed Rail	*
MICROWAVE & RADIO TOWERS	X
FARM OR PRIVATE X-ING	---/---
INTL. RESPONSIBILITY MAINTAINING ROAD (TOP LINE) ABC RR 50% PERCENT EXPENSES FOLLOWING XYZ RR 50%	
SECTION RESPONSIBILITY AREA	P 9

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RAIL
TIES
SURFACING
UNDERCUT./BAL CLEAN.
GRINDING
SHOULDER BAL CLEAN.

RAIL
TIES
SURFACING
UNDERCUT./BAL CLEAN.
GRINDING
SHOULDER BAL CLEAN.

* * * 100R43-L43 *	115 - L90CW
1971	1990
	1991

* * * 100R44-L44 *	130-L88
1971	1986
	1990
	88
	91
	88

WEST  
WARD  
MAIN

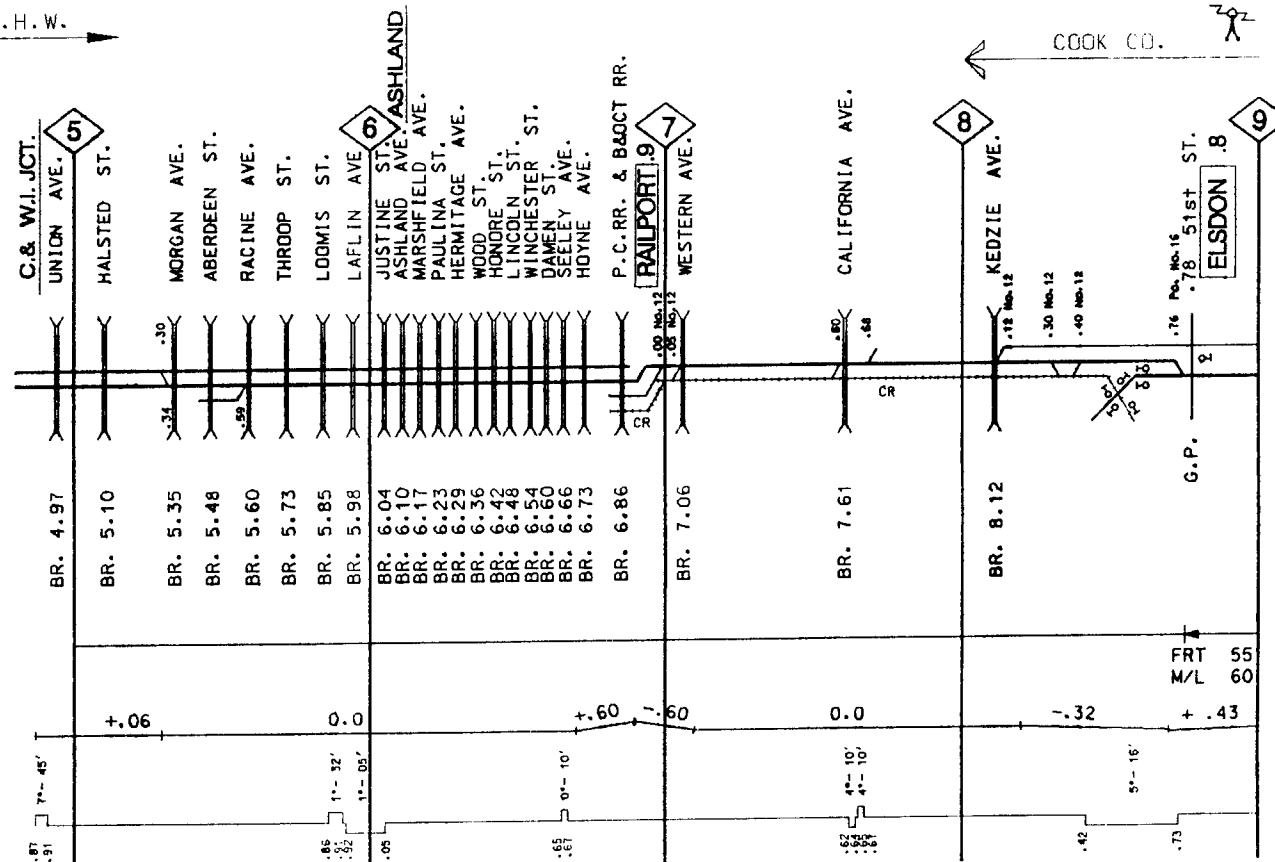
EAST  
WARD  
MAIN

BEGINNING OF MAIN LINE → 100'

COOK CO.

ROADMASTER R.H.W. →

CHICAGO



W.W.M.  
E.W.M.

AUTHORIZED SPEEDS

PROFILE

ALIGNMENT

RAIL
TIES
SURFACING
UNDERCUT/BAL CLEAN
GRINDING
SHOULDER BAL CLEAN

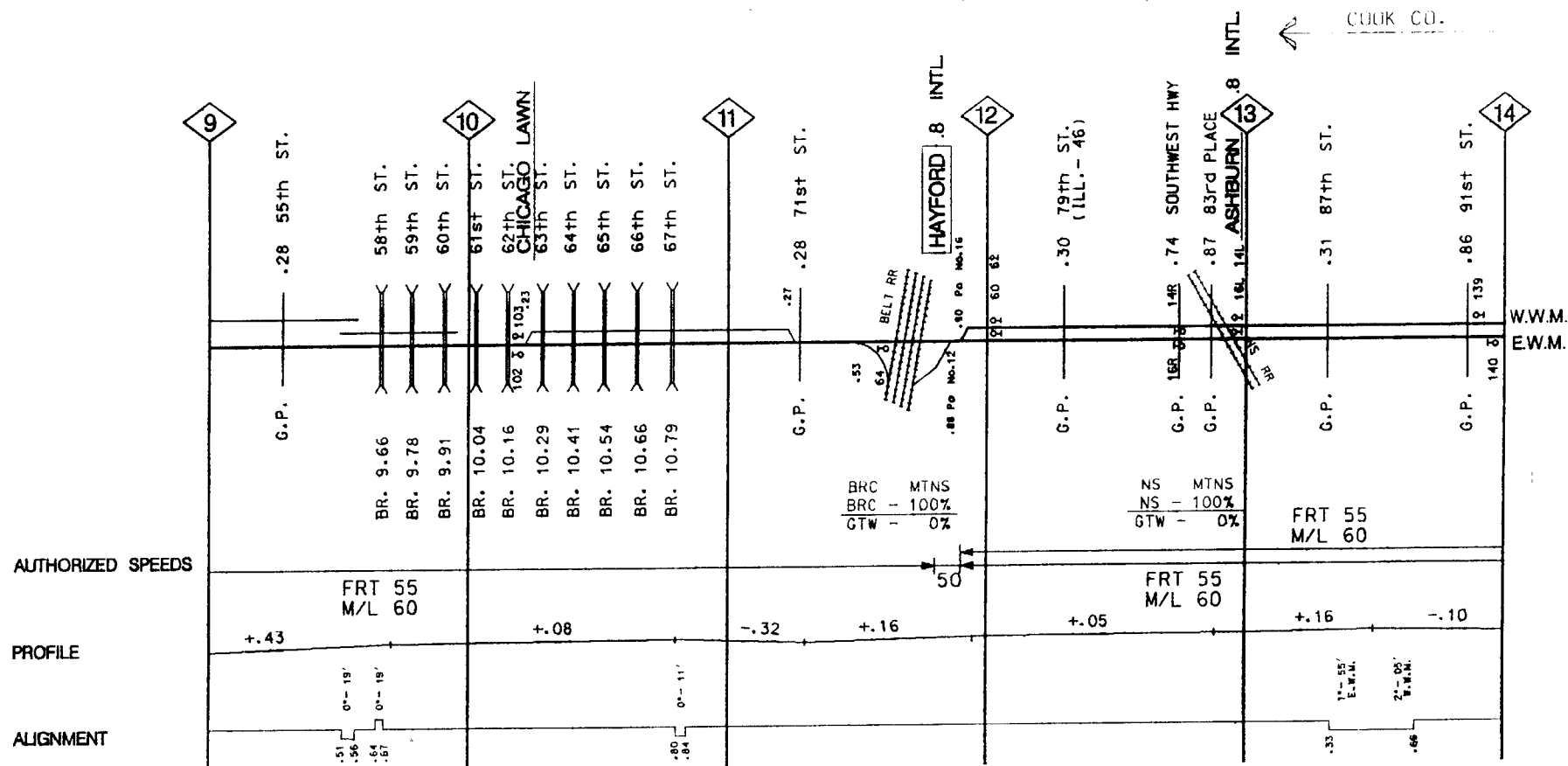
*115R50-150*
1980
1985
1985

*115R50-150*
1988
1991
1988

WEST  
WARD  
MAIN

RAIL	130L88	*115R49-L49*
TIES		1988
SURFACING		1991
UNDERCUT/BAL CLEAN		
GRINDING		
SHOULDER BAL CLEAN		1988

EAST  
WARD  
MAIN







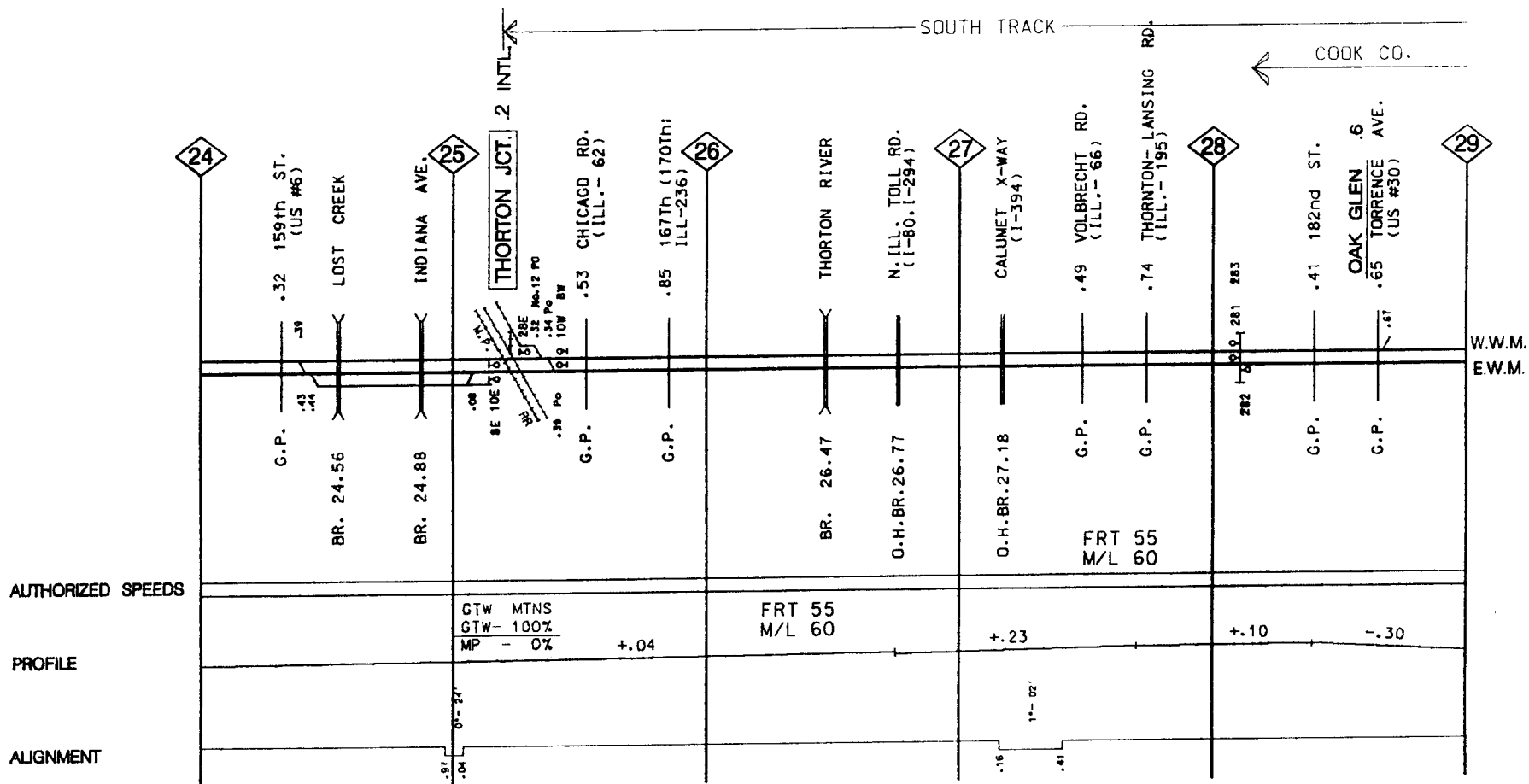


RAIL	* * 115R50-L50 * *	* * * * *	* * 115R51-L52 * *	* * * * *	* * * * *
TIES			1988		
SURFACING			1992		
UNDERCUT/BAL CLEAN			1991		
GRINDING					
SHOULDER BAL CLEAN			1988		

WEST  
WARD  
MAIN

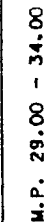
RAIL	* * 115R48-L48 * *	* * * * *	* * 115R48-L57 * *	* * * * *	* * 115R48-L57 * *
TIES	1988		1989		
SURFACING			1992		
UNDERCUT/BAL CLEAN	1991		1991		
GRINDING					
SHOULDER BAL CLEAN			1988		

EAST  
WARD  
MAIN



WEST  
WARD  
MAIN

EAST  
WARD  
MAIN



REV. 01/01/93

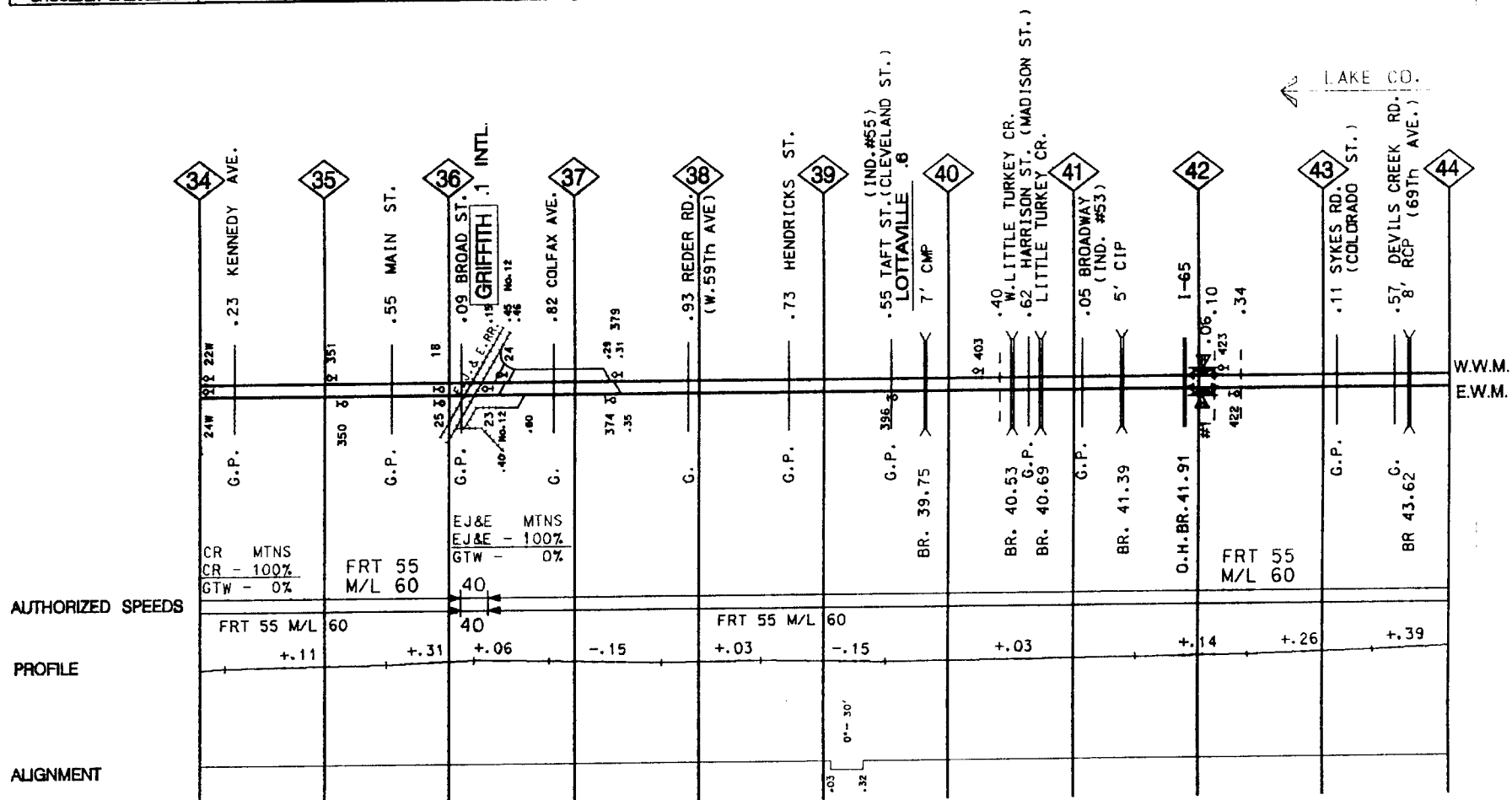
**SOUTH BEND SUBDIVISION**

	RAIL	TIES	SURFACING	UNDERCUT/RAIL CLEAN.	GRINDING	SHOULDER RAIL CLEAN.
	1988	1989	1991	1989	1992	

RAIL			115R74-L74CW					115R75-L75CW		
TIES					1989					
SURFACING			1992					1991	1992	1991
UNDERCUT/BAL. CLEAN.					1991				1989	
GRINDING			1987					1990		
SHOULDER BAL. CLEAN.			1988							

WEST  
WARD  
MAIN

EAST  
WARD  
MAIN

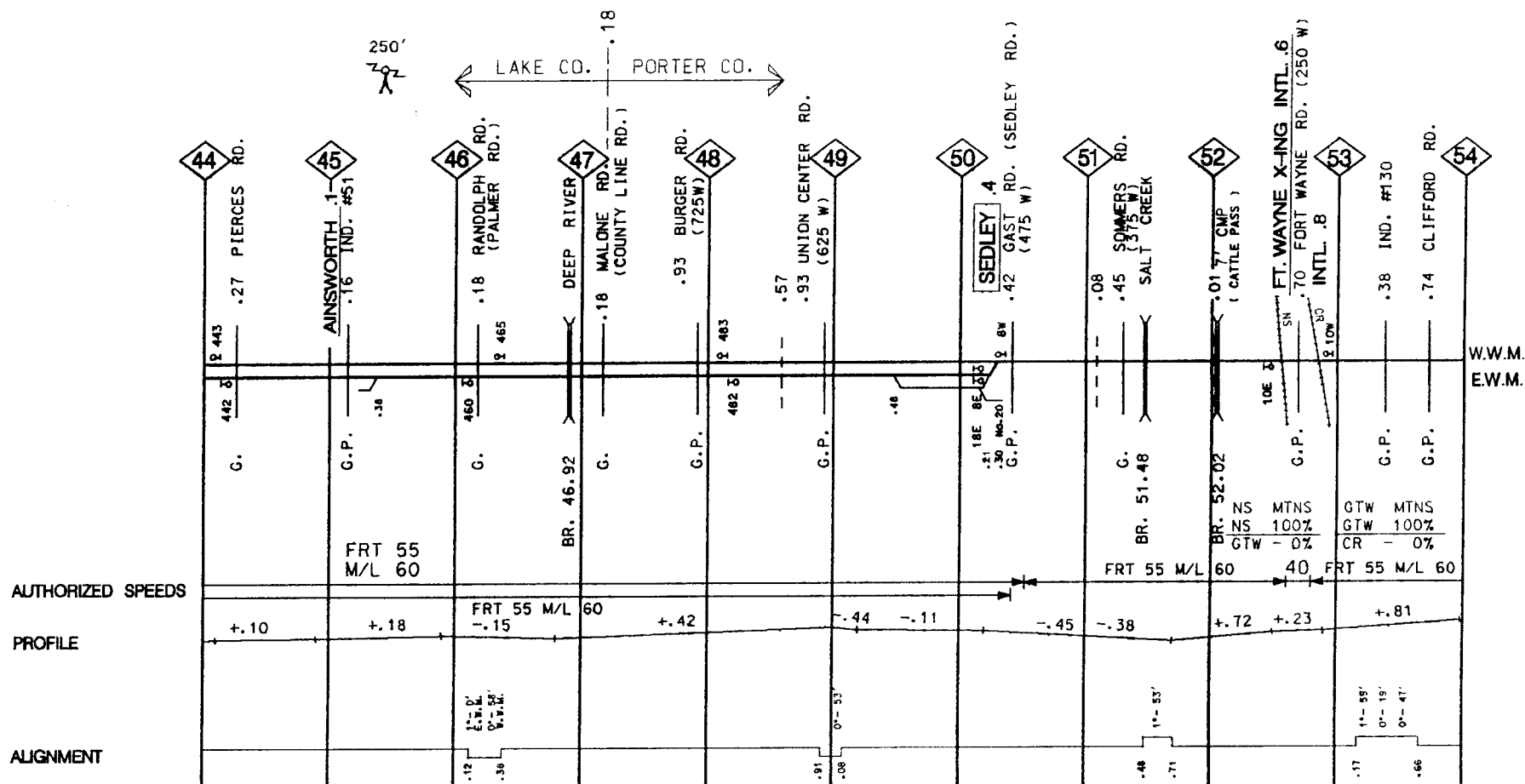


[illegible]

WEST  
WARD  
MAIN

RAIL	115R75-L75CW	115R65-L65	
TIES		1989	1991
SURFACING		1989	
UNDERCUT/RAIL CLEAN	1990	181	
GRINDING			
SHOULDER RAIL CLEAN			

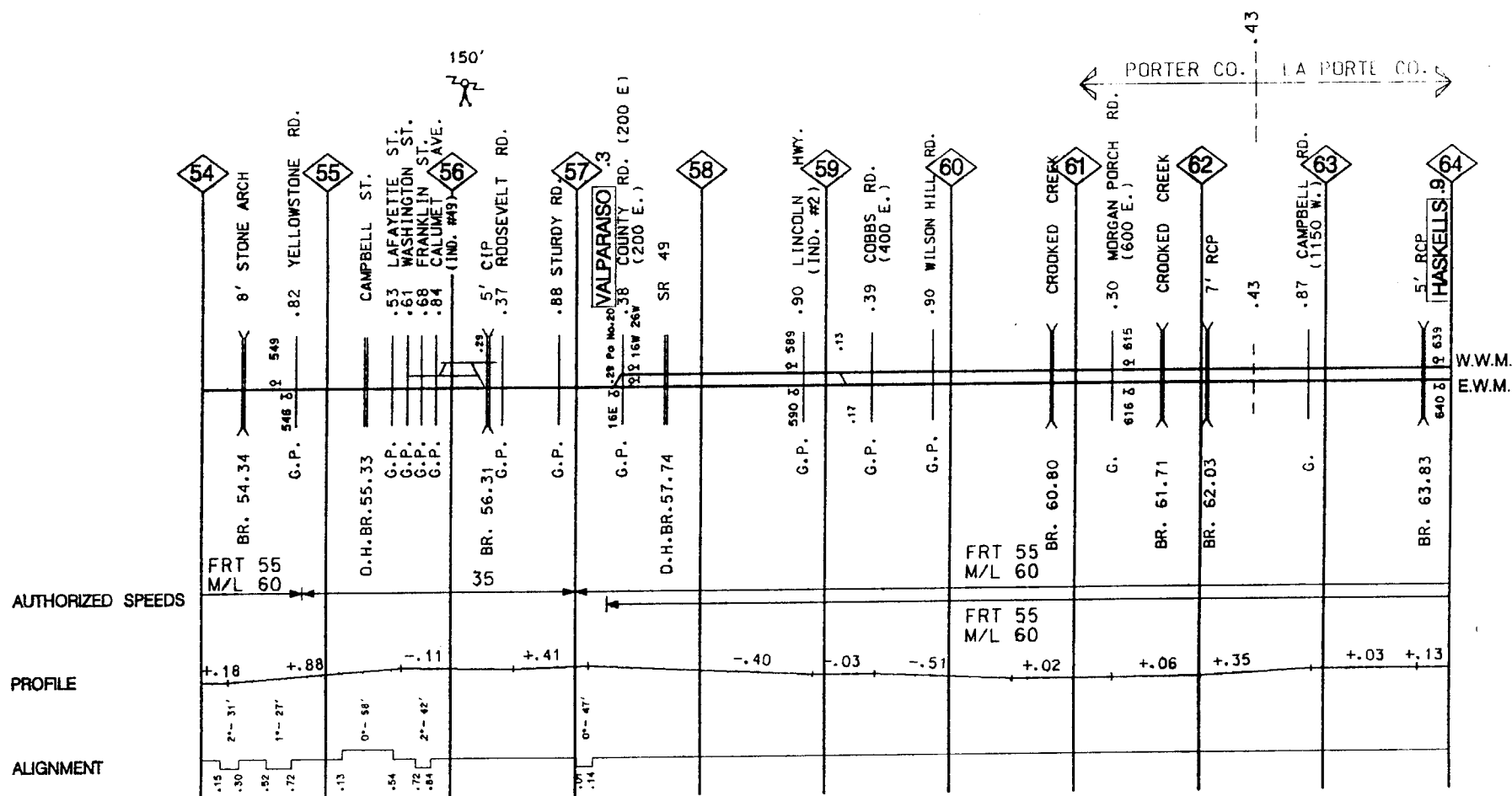
EAST  
WARD  
MAIN



WEST  
WARD  
MAIN

[illegible]

EAST  
WARD  
MAIN

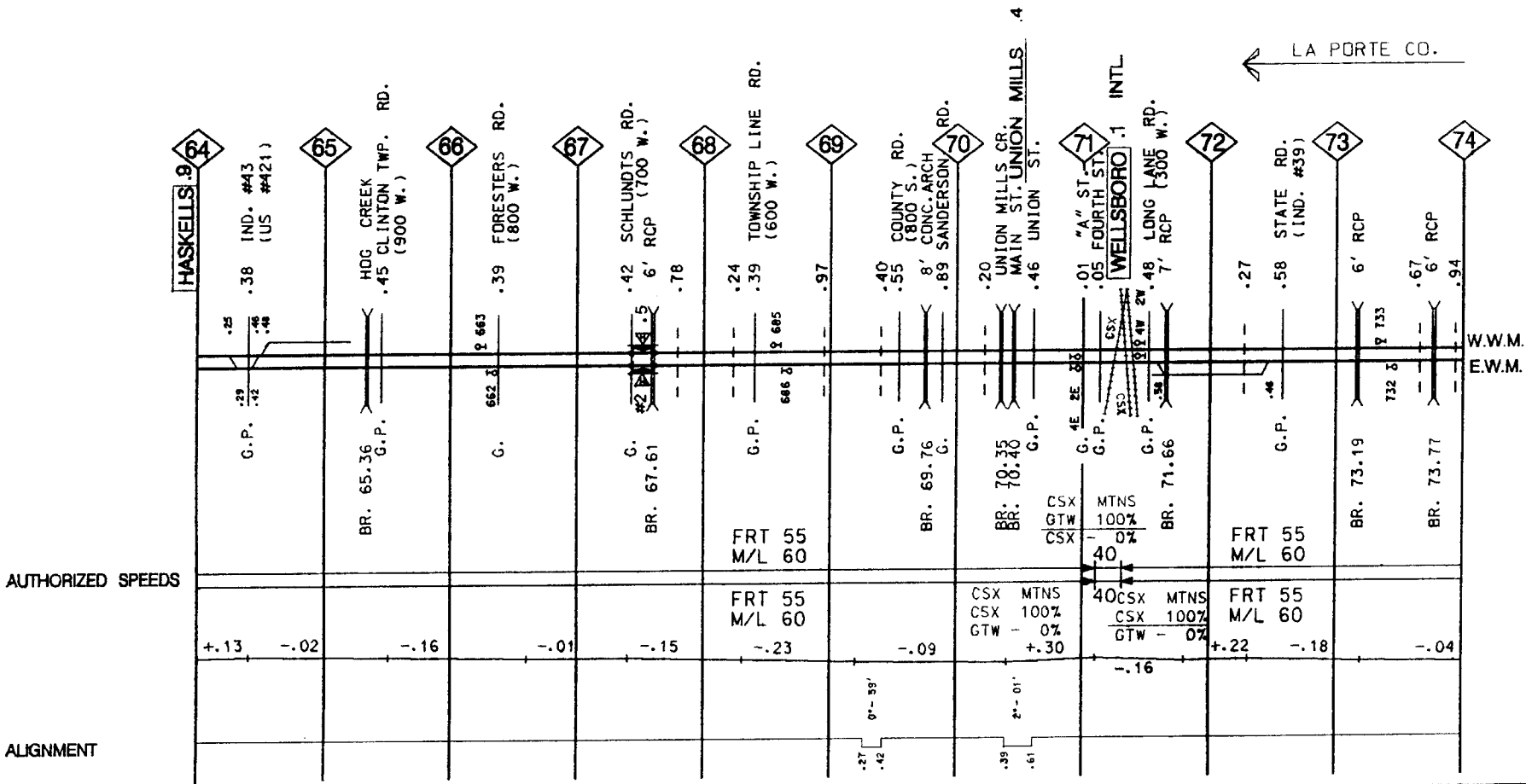


RAIL				115R74-L74CW				115R74-L74CW				
TIES				1989				1989				
SURFACING				1991				1991				
UNDERCUT/BAL.CLEAN.				1989				1989				
GRINDING								1981				
SHOULDER BAL.CLEAN.												

WEST  
WARD  
MAIN

RAIL	*	*	*	*	115R54-L54	*	*	*	*	115R49-L49	*	*	*	*	115R49-L49	*	*	*	*
TIES					1989					1989					1989				
SURFACING					1991					1991					1991				
UNDERCUT/BAL.CLEAN.					1989					1989					1989				
GRINDING																			
SHOULDER BAL.CLEAN.																			

EAST  
WARD  
MAIN



LA PORTE CO.

M.P. 64.00 - 74.00

REV. 01/01/93

SOUTH BEND SUBDIVISION

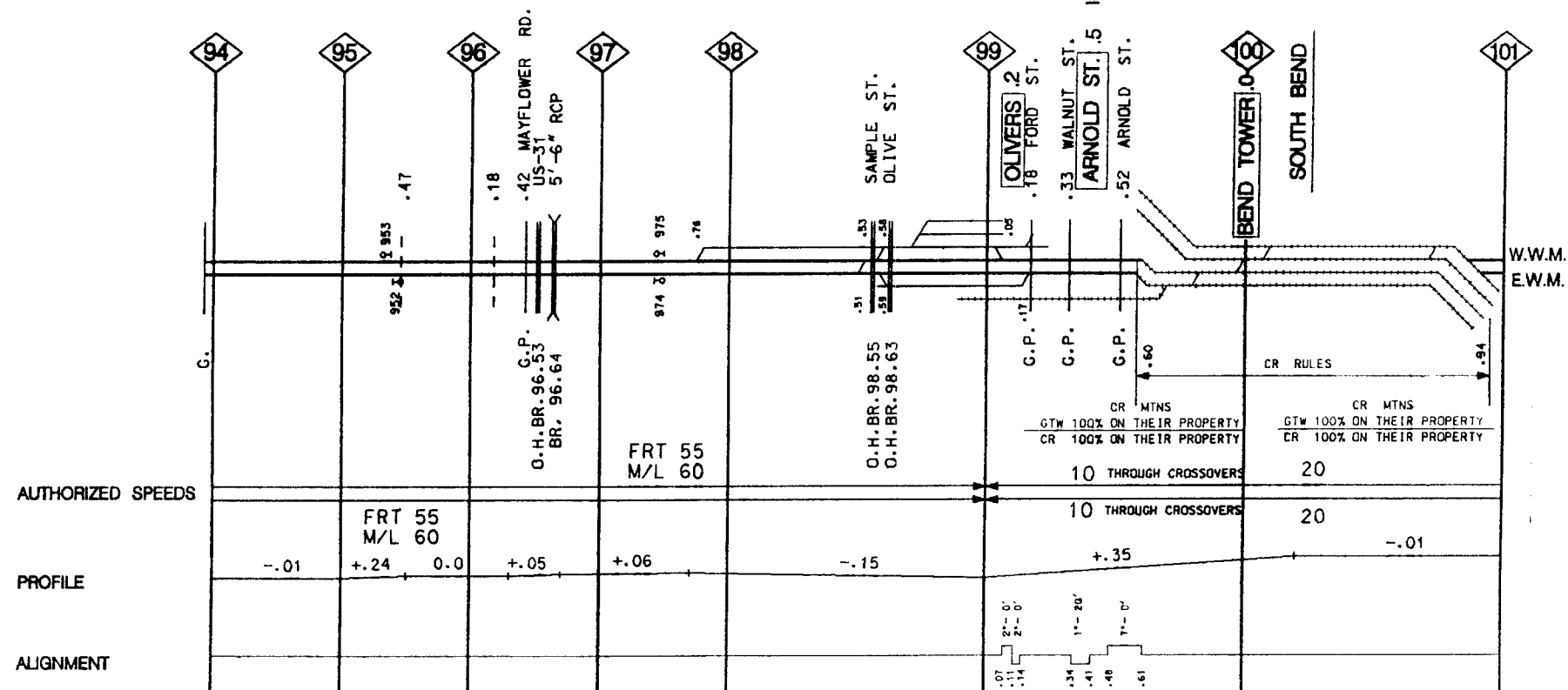






RAIL	* * * *	115R66-L66	* * * *	* * *	112PW-L85CW	
TIES					1989	
SURFACING					1991	
UNDERCUT /BAL CLEAN.					1989	
GRINDING					1990	
SHOULDER BAL CLEAN.		→ 1988 ←			1986	

RAIL	* * * *	115R53-L55	* * *	115R54-L56	112PW-L86CW	
TIES					1989	
SURFACING					1991	
UNDERCUT /BAL CLEAN.					1989	
GRINDING					1990	
SHOULDER BAL CLEAN.		→ 1988 ←			1986	



WEST  
WARD  
MAIN

EAST  
WARD  
MAIN

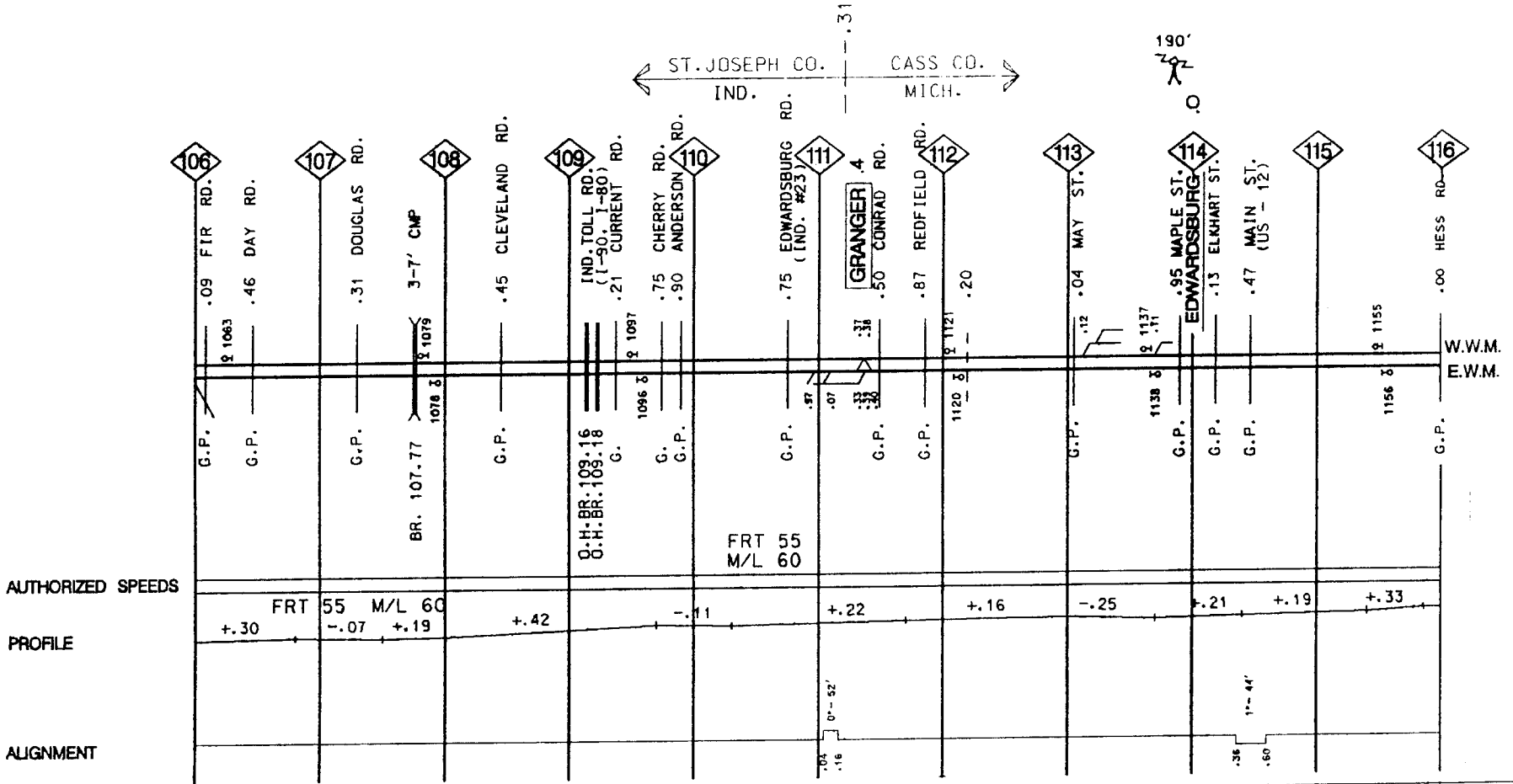


RAIL					115PW-L85CW				115R72-L73CW
TIES					1985				1987
SURFACING					1991	1992		1991	
UNDERCUT/BAL CLEAN.									
GRINDING						1990			
SHOULDER BAL CLEAN.									

WEST  
WARD  
MAIN

RAIL	112-L87CW				112PW-L86CW			115PW-L86CW
TIES					1985			
SURFACING						1991		
UNDERCUT/BAL CLEAN.						1990		
GRINDING								
SHOULDER BAL CLEAN.								

EAST  
WARD  
MAIN



AUTHORIZED SPEEDS

PROFILE

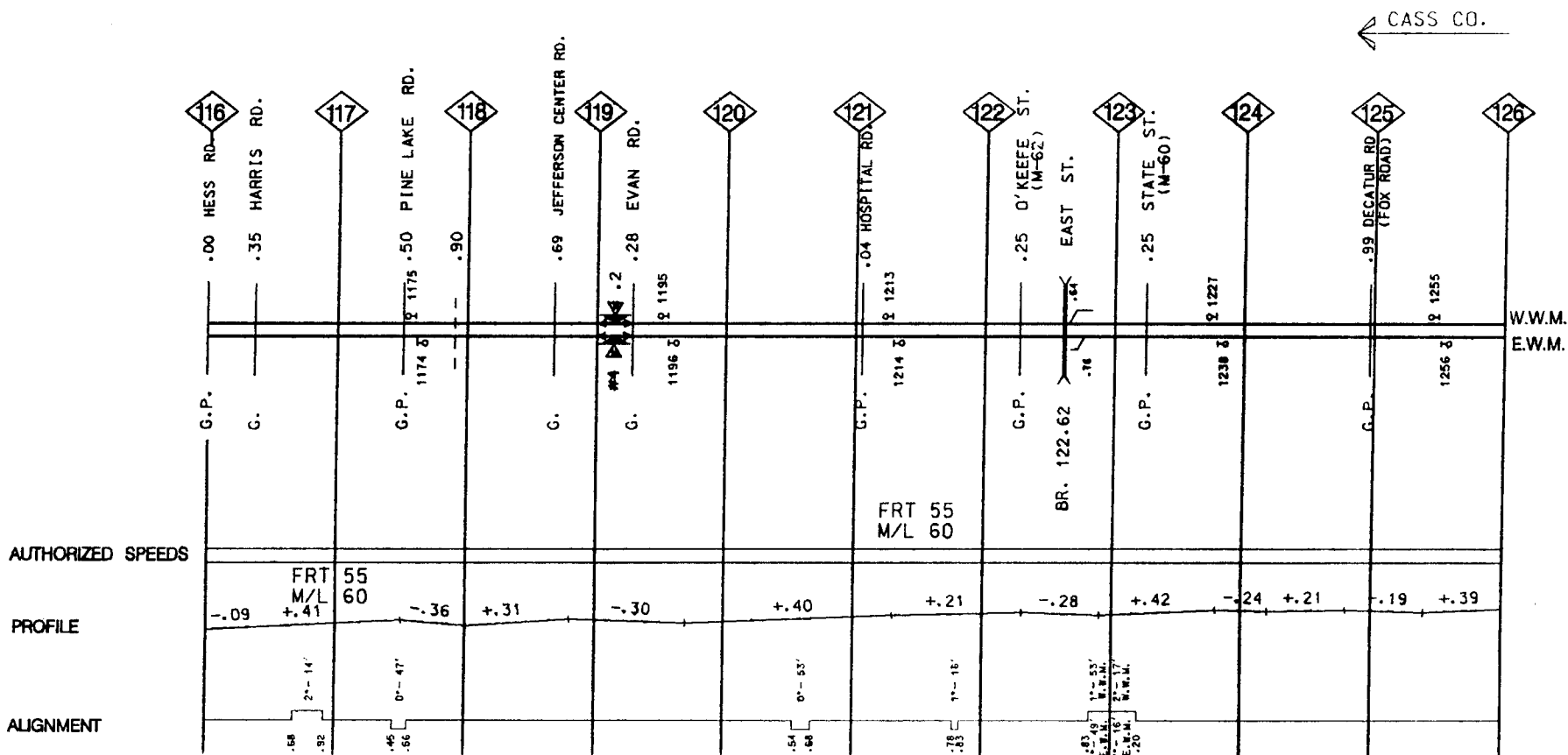
ALIGNMENT

RAIL	115R72-L73CW					132R71-L72CW			
TIES						1987			
SURFACING						1991			
UNDERCUT/BAL.CLEAN.									
GRINDING						1990			
SHOULDER BAL.CLEAN.									

WEST  
WARD  
MAIN

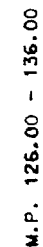
RAIL				115PW-L86CW			115 L82CW		115PW-L86CW
TIES							1985		
SURFACING						1991			
UNDERCUT/BAL.CLEAN.									
GRINDING						1990			
SHOULDER BAL.CLEAN.									

EAST  
WARD  
MAIN



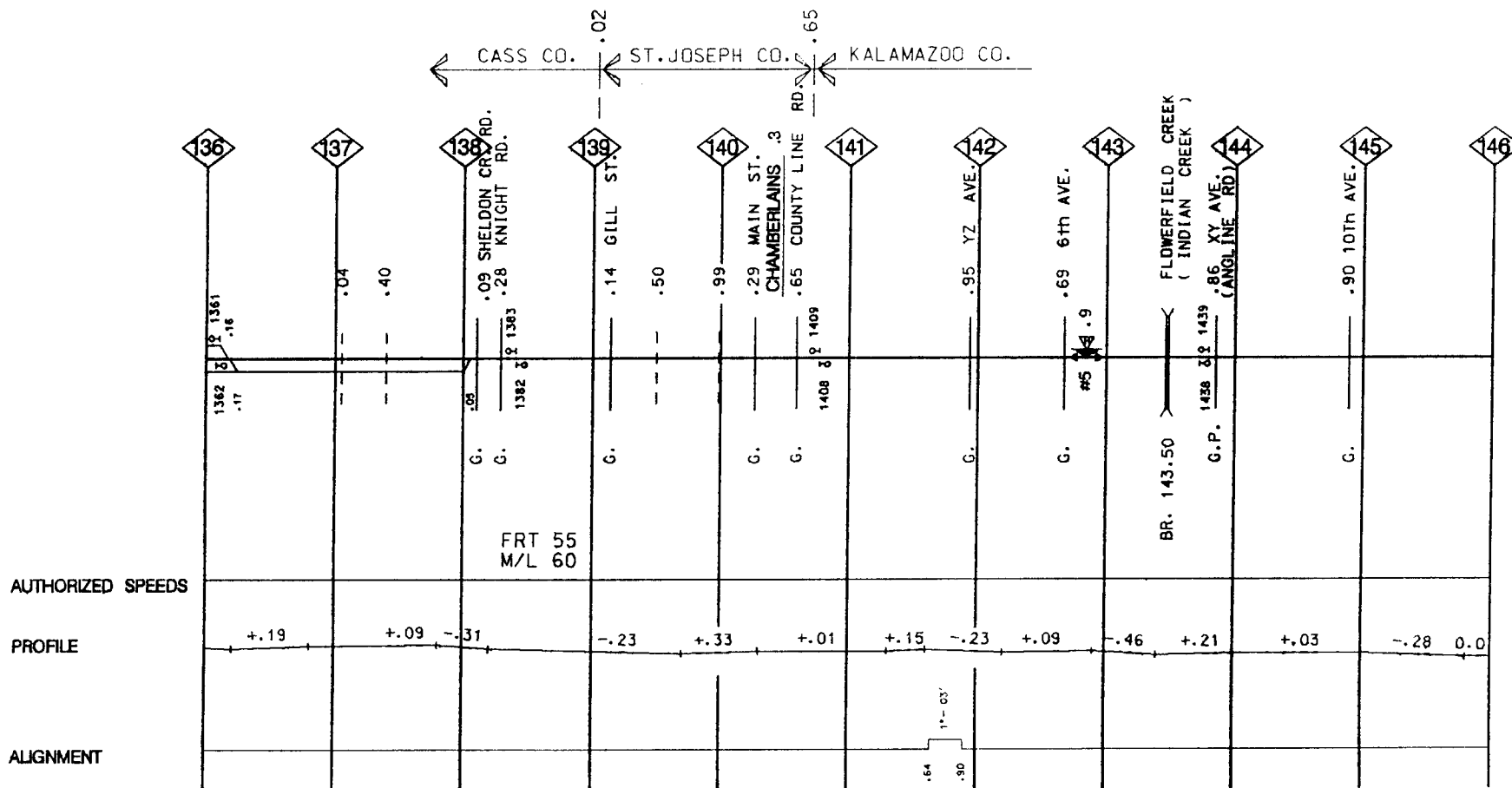
WEST  
WARD  
MAIN

EAST  
WARD  
MAIN



RAIL	132R71-L72CW				132R70-L71CW				
TIES				1987					
SURFACING					1991				
UNDERCUT / BAL. CLEAN									
GRINDING				1992					
SHOULDER BAL. CLEAN									

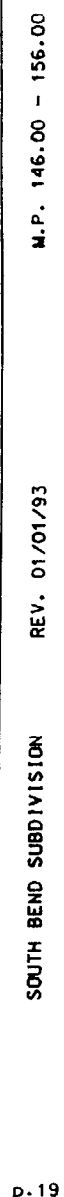
115R72-L73CW	
115R58-L58**	
1987	
1987	
1981	



WEST  
WARD  
MAIN

115R79-L89CW	115R58-L58	132R70-L70	132R70-L70CW
	1991	1987	1991
		1992	
1990		1991	1981
			1990

EAST  
WARD  
MAIN







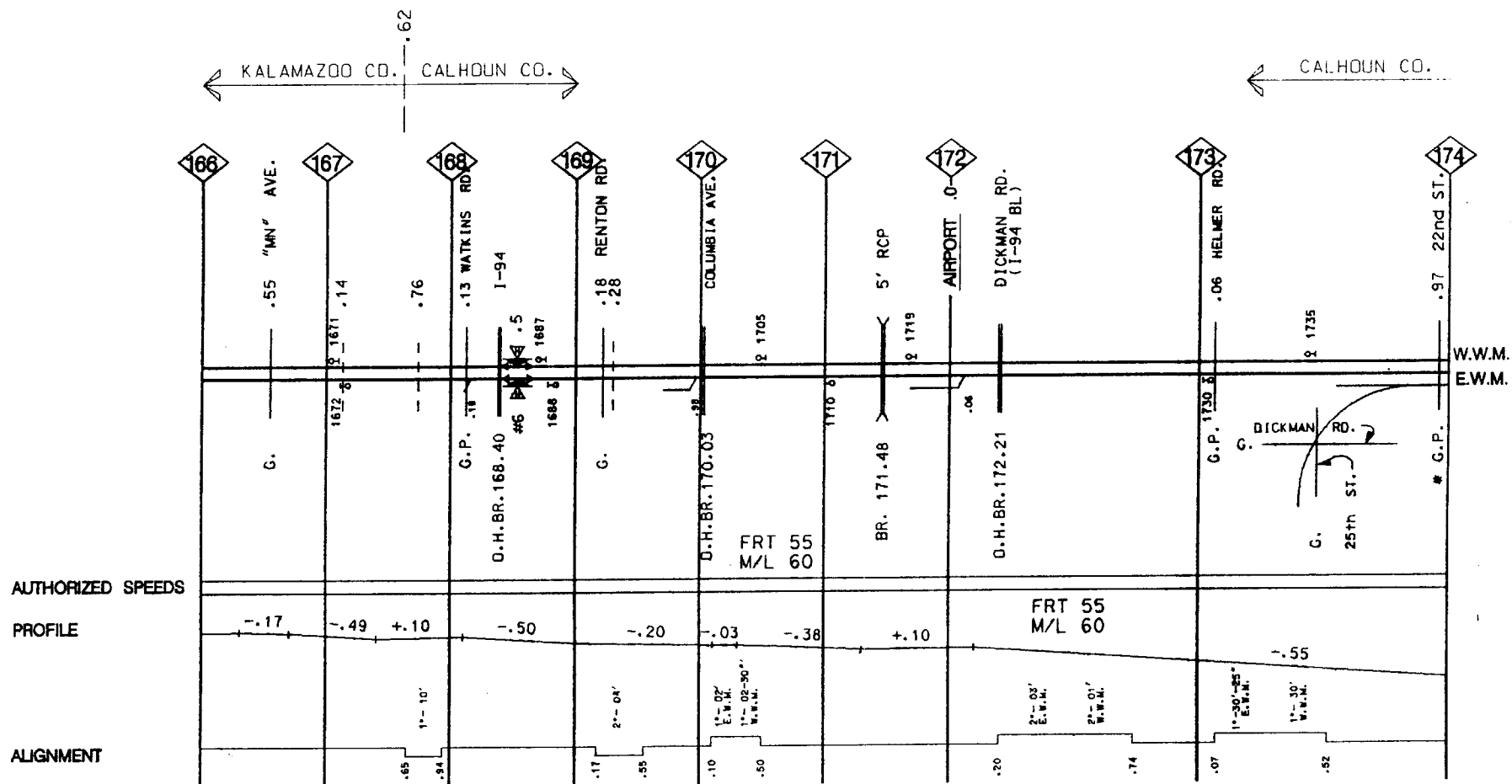
132R52-L83CW									
RAIL	132R57-L57	*	*	*	*	115 L89CW		115L82CW	115 L89CW
TIES						1987			
SURFACING						1991			
UNDERCUT/BAL.CLEAN.									
GRINDING				1992	1992	1990		1992	
SHOULDER BAL.CLEAN.								1986	

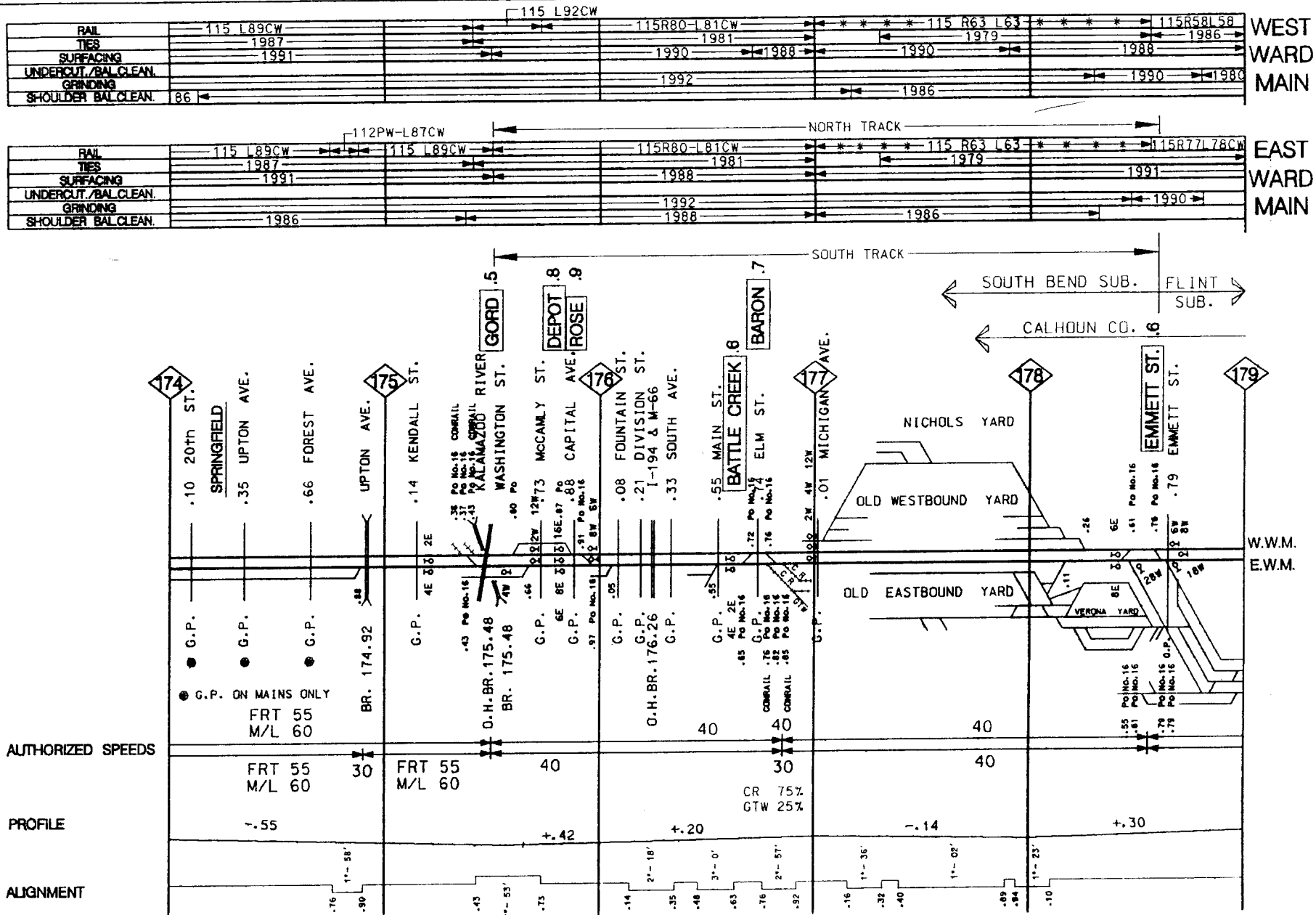
  

RAIL	132R70-L70CW					115 L89CW		112CW	112L87CW	112CW	115 L89CW
TIES						1987					
SURFACING						1991					
UNDERCUT/BAL.CLEAN.											
GRINDING	1981					1990		1992			
SHOULDER BAL.CLEAN.								1986			

WEST  
WARD  
MAIN

EAST  
WARD  
MAIN



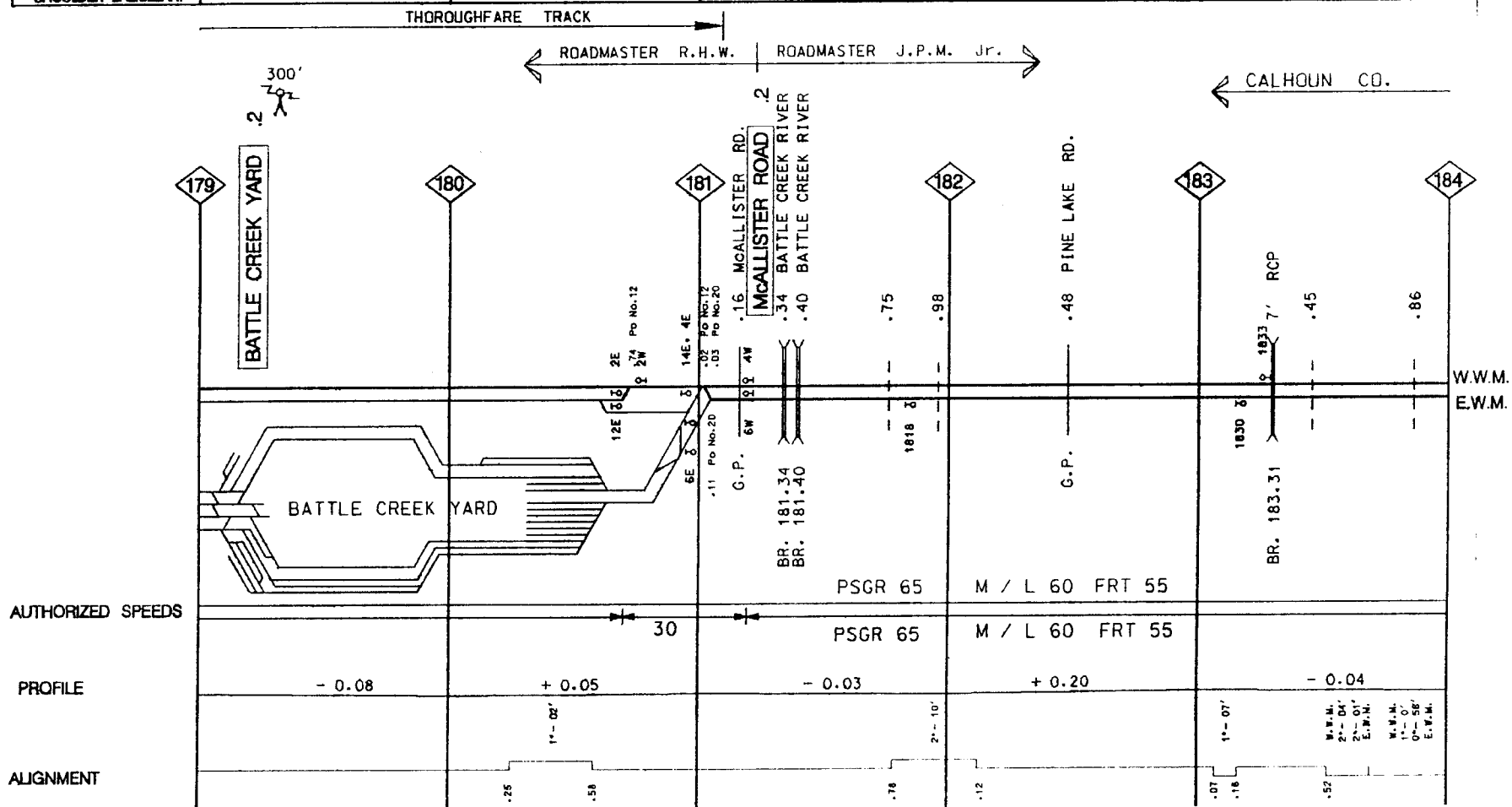


RAIL	115 R58-L58	115 R54-L54			
TIES		1986			
SURFACING		1988	1990		
UNDERCUT/BAL CLEAN					
GRINDING		1985	1990	1989	1990
SHOULDER BAL CLEAN	1986		1986		

WEST  
WARD  
MAIN

RAIL	115 R77-L78 CW	115 R75-L75 CW			
TIES		1986			
SURFACING	1991				
UNDERCUT/BAL CLEAN					
GRINDING		1990	1985	1989	1990
SHOULDER BAL CLEAN			1986		

EAST  
WARD  
MAIN



M.P. 179.00 - M.P. 184.00

REV. 01/01/93

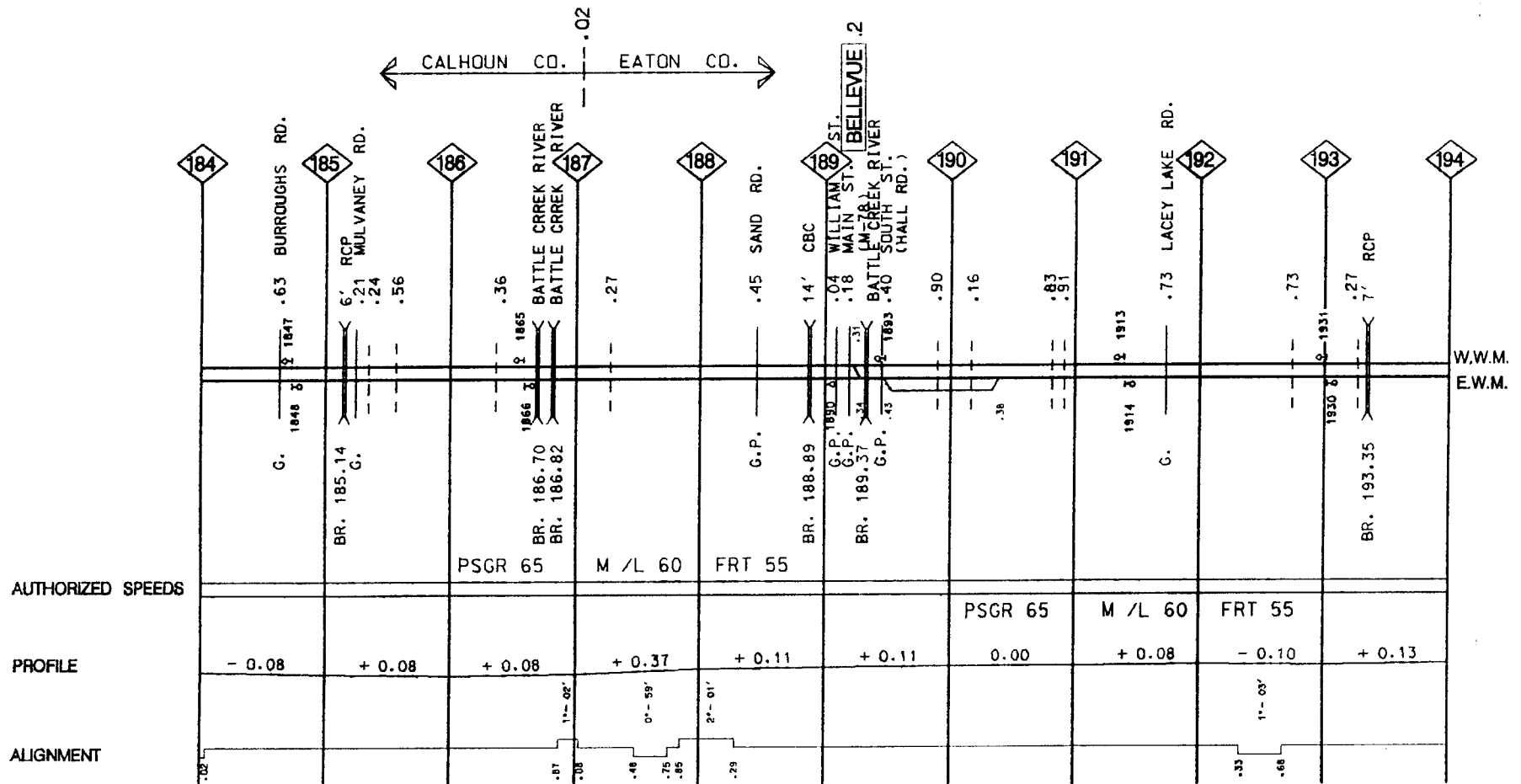
FLINT SUBDIVISION

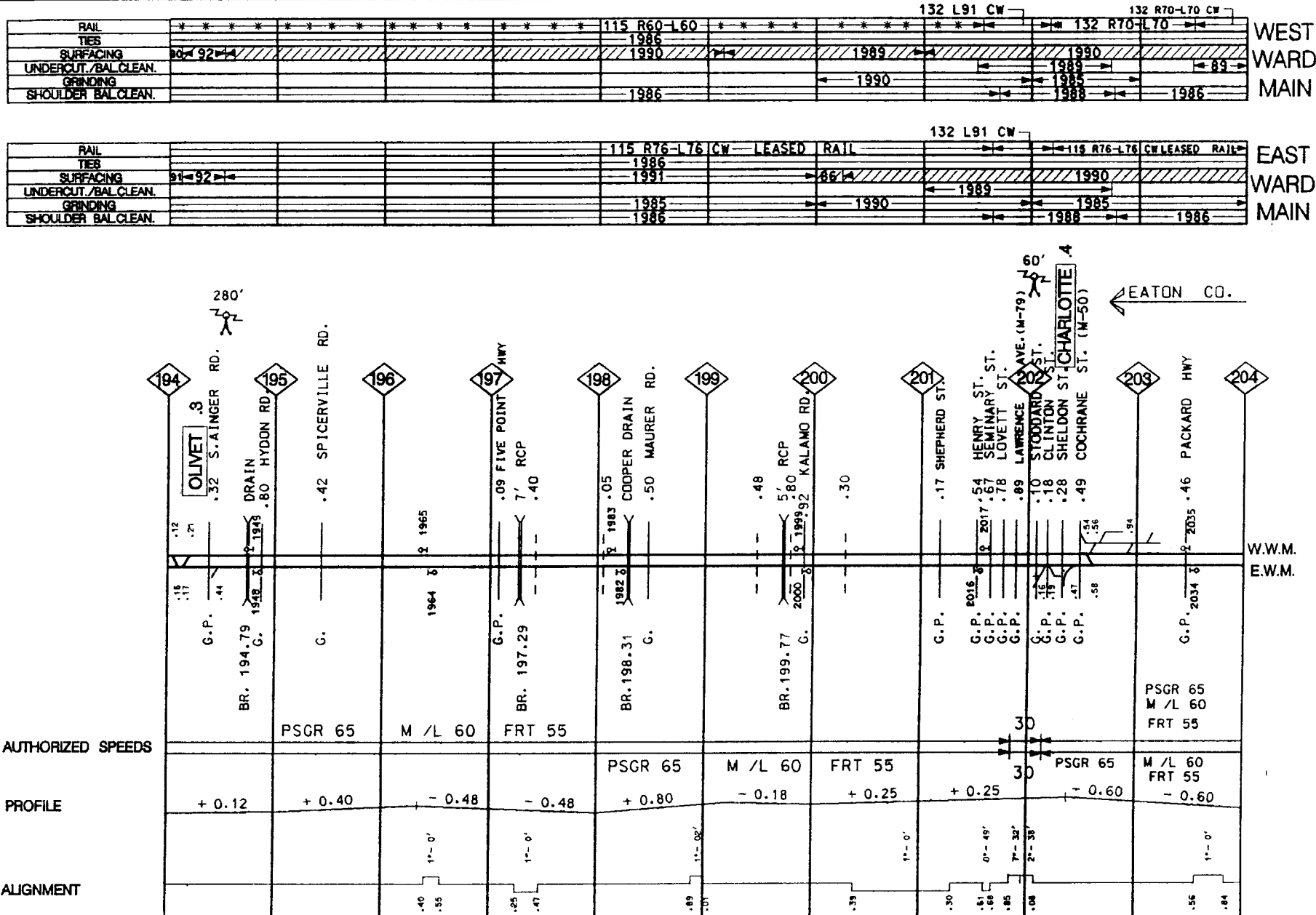
RAIL	* * * *	* * * *	115 R54-L54	* * * *	112 R77-L88 CW	* * * *	115 R54-L54	* * * *	* * * *	115 R60-L60
TIES										
SURFACING										
UNDERCUT/BAL CLEAN										
GRINDING										
SHOULDER BAL CLEAN										

WEST  
WARD  
MAIN

RAIL			115 R75-L75 CW		132 R70-L90 CW		115 R75-L75 CW		115 R76-L76 CW-LEASED RAIL	
TIES										
SURFACING										
UNDERCUT/BAL CLEAN										
GRINDING			1985		1992		1989		1985	
SHOULDER BAL CLEAN							1986			

EAST  
WARD  
MAIN



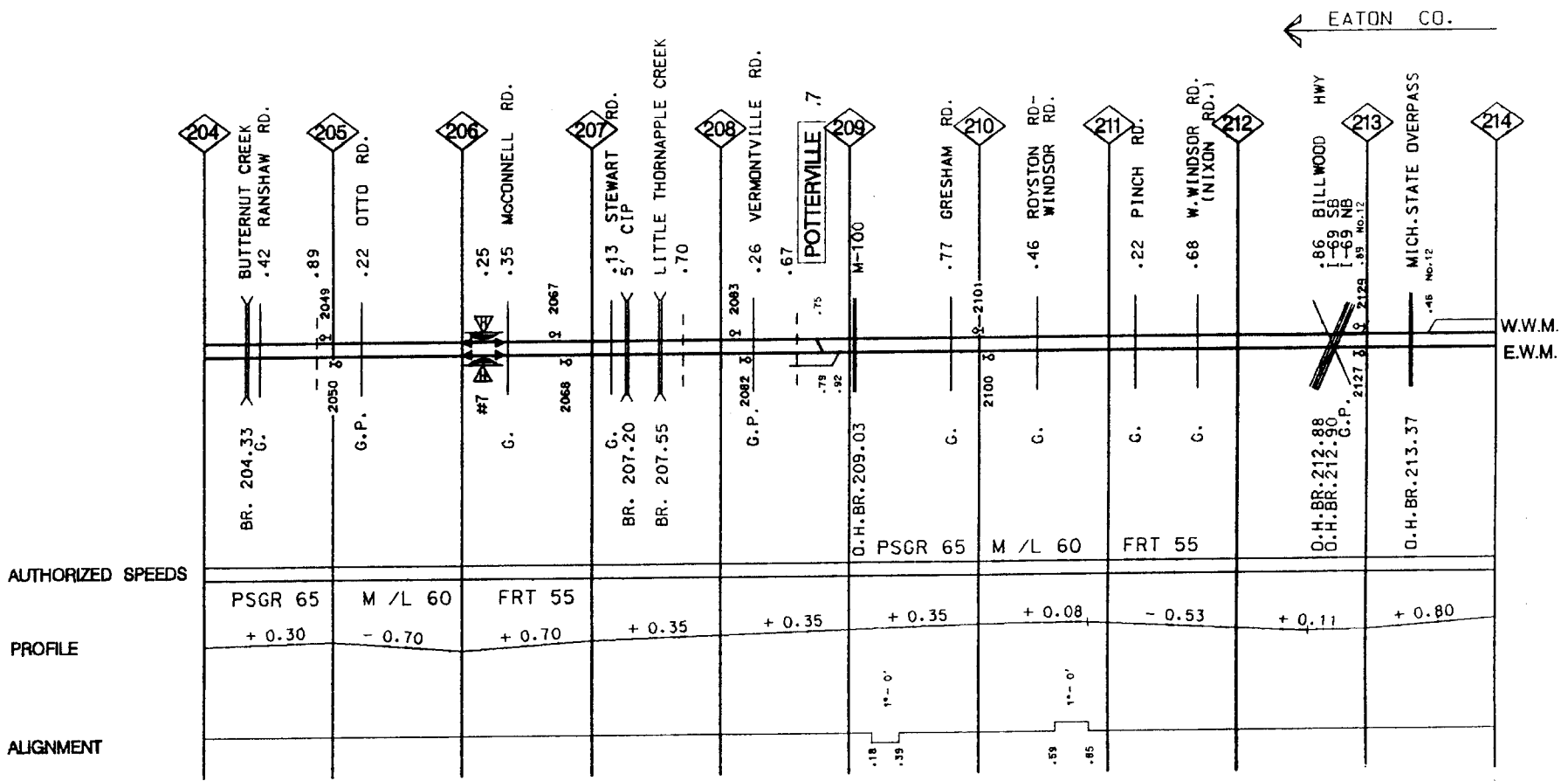


RAIL	132 R70-L70 CW	* * * *	* * * *	* * * *	115 R67-L67	* * * *	* * * *	* * * *	* * * *
TIES					1986				
SURFACING					1992				
UNDERCUT / BAL. CLEAN.					192		1992		
GRINDING	1985								
SHOULDER BAL. CLEAN.					1986				

WEST  
WARD  
MAIN

RAIL	* * * *	* * * *	115 R66-L66	* * * *		115 R77-L77 CW	LEASED RAIL		LEASED RAIL	115 R76-L76 CW
TIES						1986				
SURFACING						1990				
UNDERCUT / BAL. CLEAN.										
GRINDING					1985	192	1985	1992		1985
SHOULDER BAL. CLEAN.						1986				

EAST  
WARD  
MAIN



AUTHORIZED SPEEDS

PROFILE

ALIGNMENT







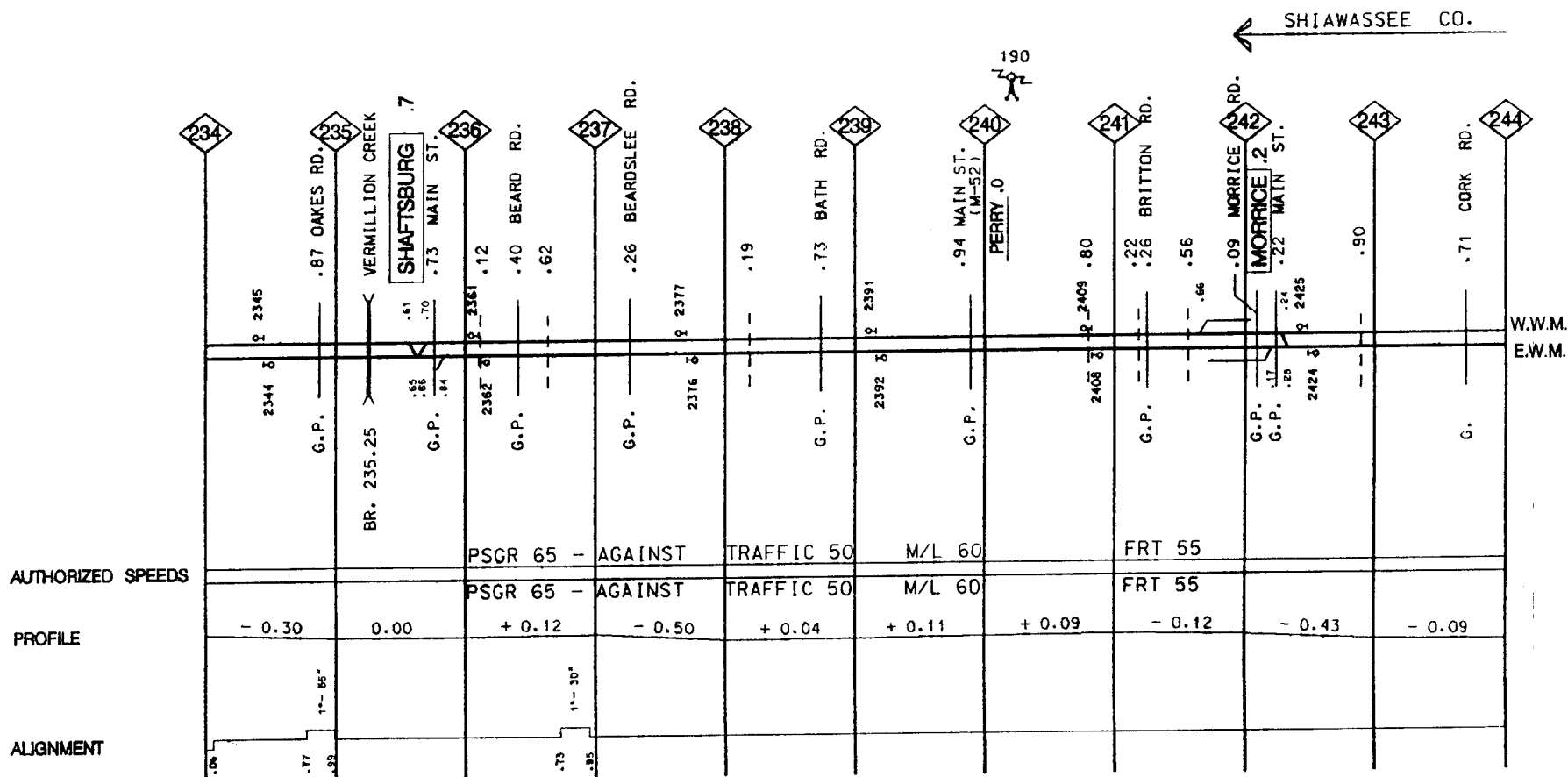


RAIL	* * * *	* * * *	* * * *	115 R68-L68	* * * *	* * * *	115 R77-L77 CW LEASED RAIL	* * *	132 R57-L57
TIES							1992		
SURFACING							1992		
UNDERCUT/BAL CLEAN							1992		
GRINDING		1992					1985	1991	
SHOULDER BAL CLEAN			1986			1988			1986

WEST  
WARD  
MAIN

RAIL	115 R60-L60	* * * *	* * * *	* * * *	* * * *	115 R58-L58	* * * *	* * * *	* * * *
TIES							1992		
SURFACING							1992		
UNDERCUT/BAL CLEAN							1992		
GRINDING		1992							
SHOULDER BAL CLEAN			1986			1988			1986

EAST  
WARD  
MAIN







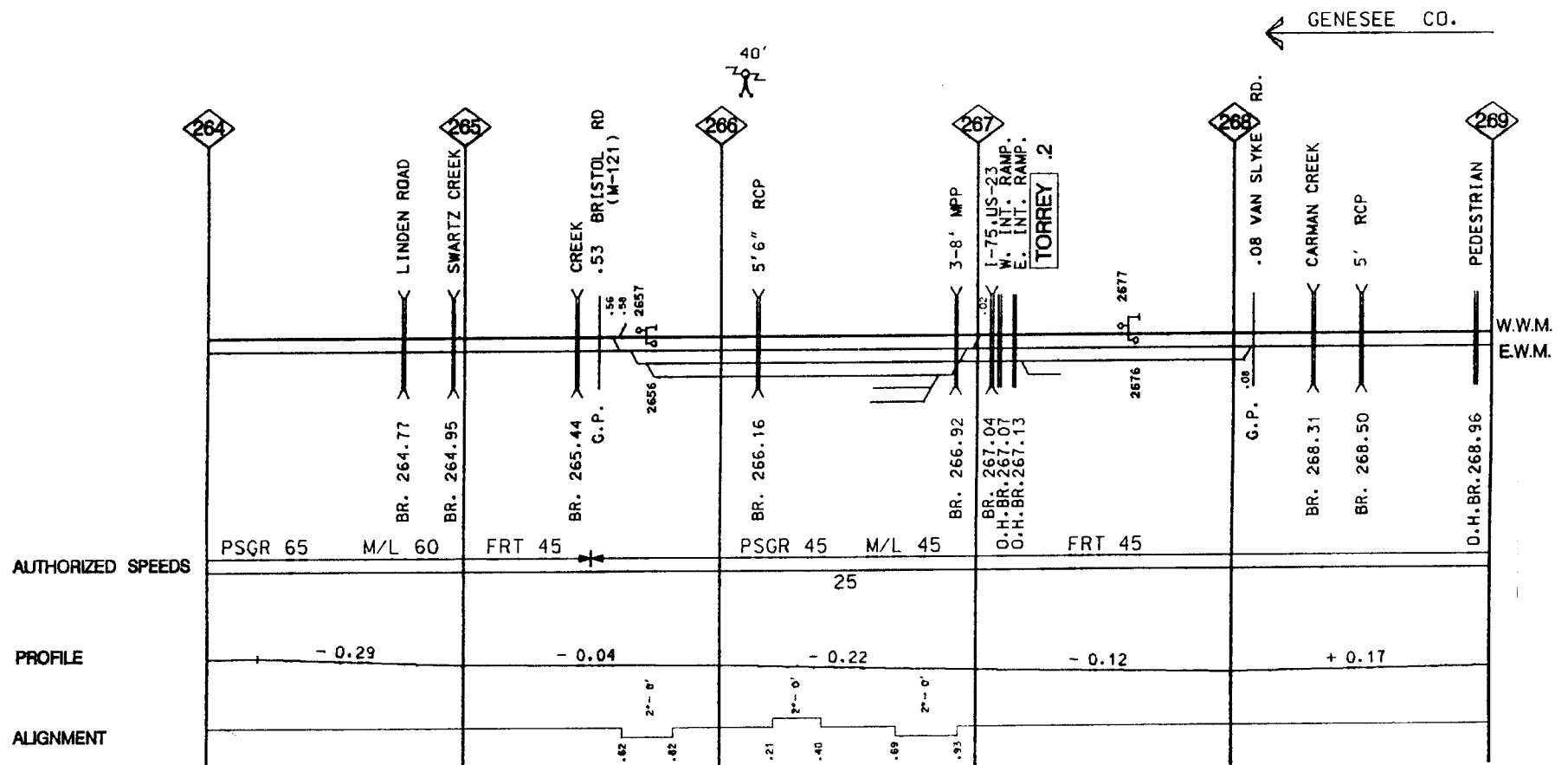
RAIL	112 PW L85 CW	115 R70-L70	115 R48-L64 PW	115 L89 CW	115 R64-L64
TIES			1988		
SURFACING			1992		
UNDERCUT/BAL.CLEAN.					
GRINDING			1988		
SHOULDER BAL.CLEAN.					

WEST  
WARD  
MAIN

RAIL	115 R48-L48	115 R70-L70	115 R48-L48
TIES		1988	
SURFACING		1992	
UNDERCUT/BAL.CLEAN.			
GRINDING		1988	
SHOULDER BAL.CLEAN.			

EAST  
WARD  
MAIN

SOUTH TRACK IS SERVICE TRACK



RAIL	*****	*****	115 R64-L64	*****	*****
TIES			1988		
SURFACING			1992		
UNDERCUT/BAL.CLEAN.					
GRINDING					
SHOULDER BAL.CLEAN.			1988		

WEST  
WARD  
MAIN

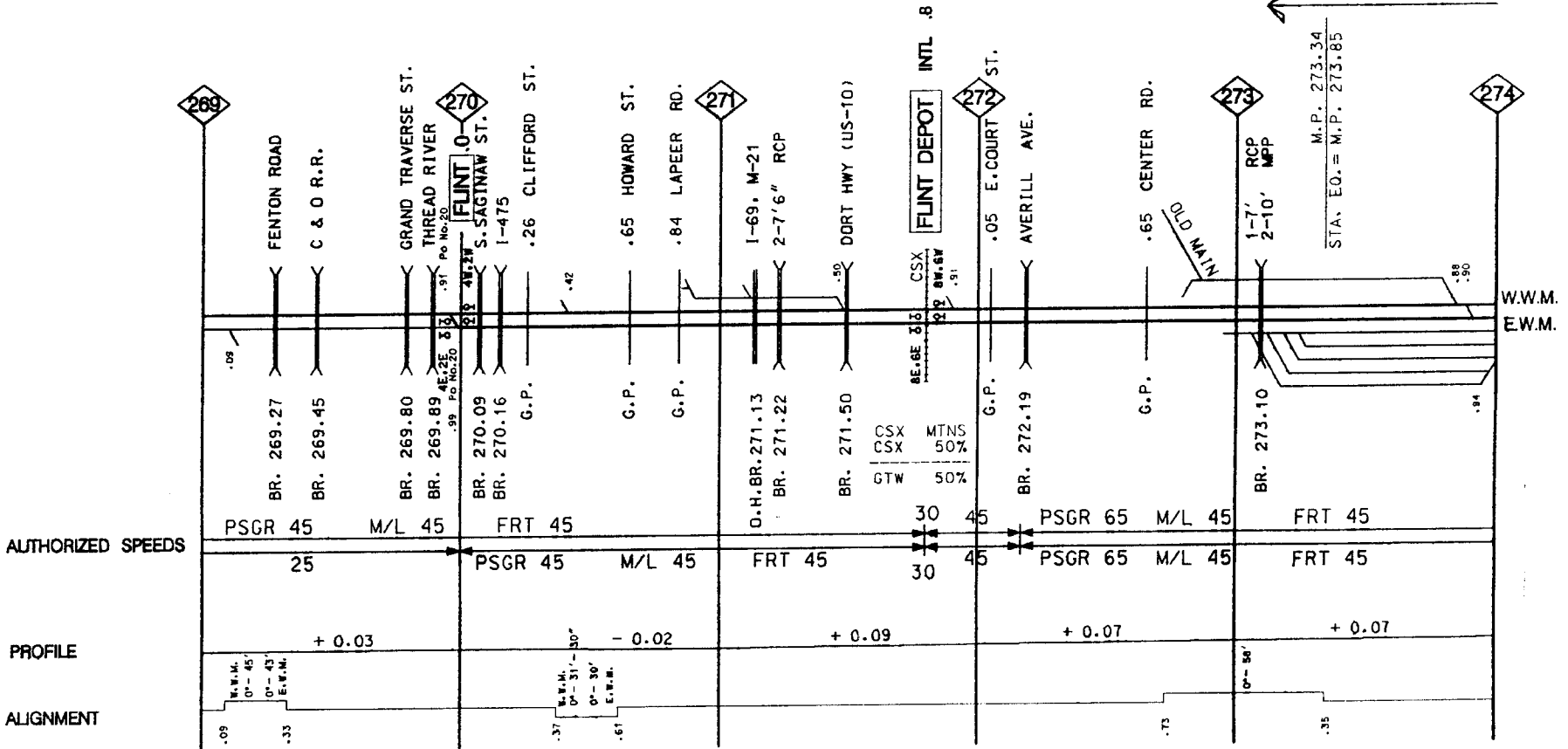
RAIL	*****	*****	115 R48-L48	*****	115 R64-L64
TIES			1988		
SURFACING			1992		
UNDERCUT/BAL.CLEAN.					
GRINDING					
SHOULDER BAL.CLEAN.			1988		

EAST  
WARD  
MAIN

SOUTH TRACK  
IS SERVICE TRACK

SOUTH TRACK

GENESEE CO.

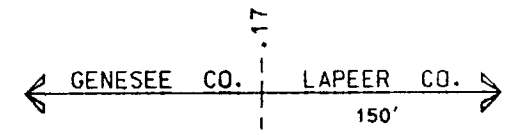
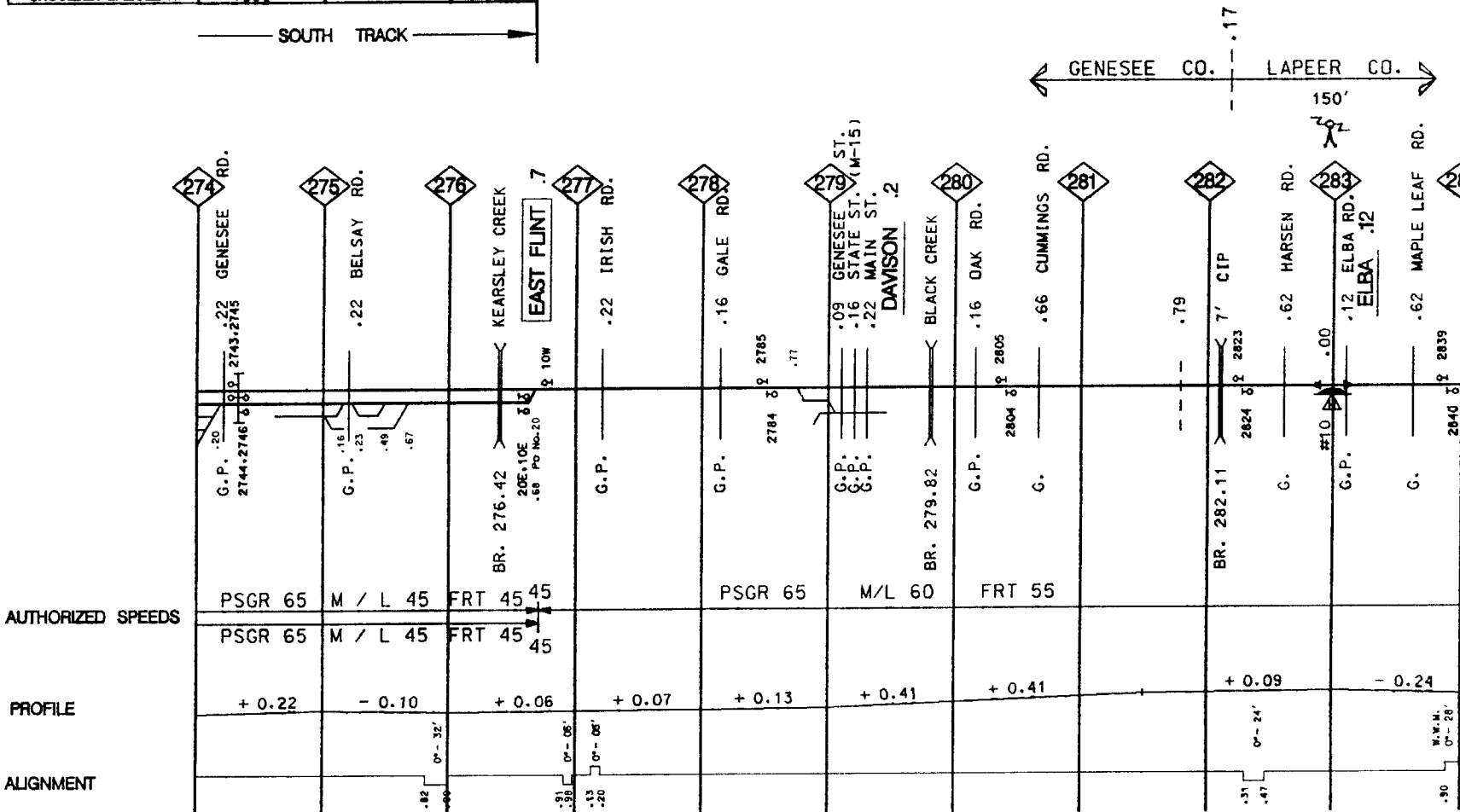


RAIL	115 R64-L64	* → 112 L46 *	115 L55PW	115 R77-L78 CW
TIES			1988	
SURFACING			1992	
UNDERCUT / BAL. CLEAN.				
GRINDING			1992	
SHOULDER BAL. CLEAN.			1988	

NORTH TRACK		115 R48-L55 PW
RAIL	* * * * 115 R64-L64 * * *	
TIES		1988
SURFACING		1992
UNDERCUT / BAL. CLEAN.		
GRINDING		
SHOULDER BAL. CLEAN.	1988	
SOUTH TRACK		

WEST  
WARD  
MAIN

EAST  
WARD  
MAIN



AUTHORIZED SPEEDS

PROFILE

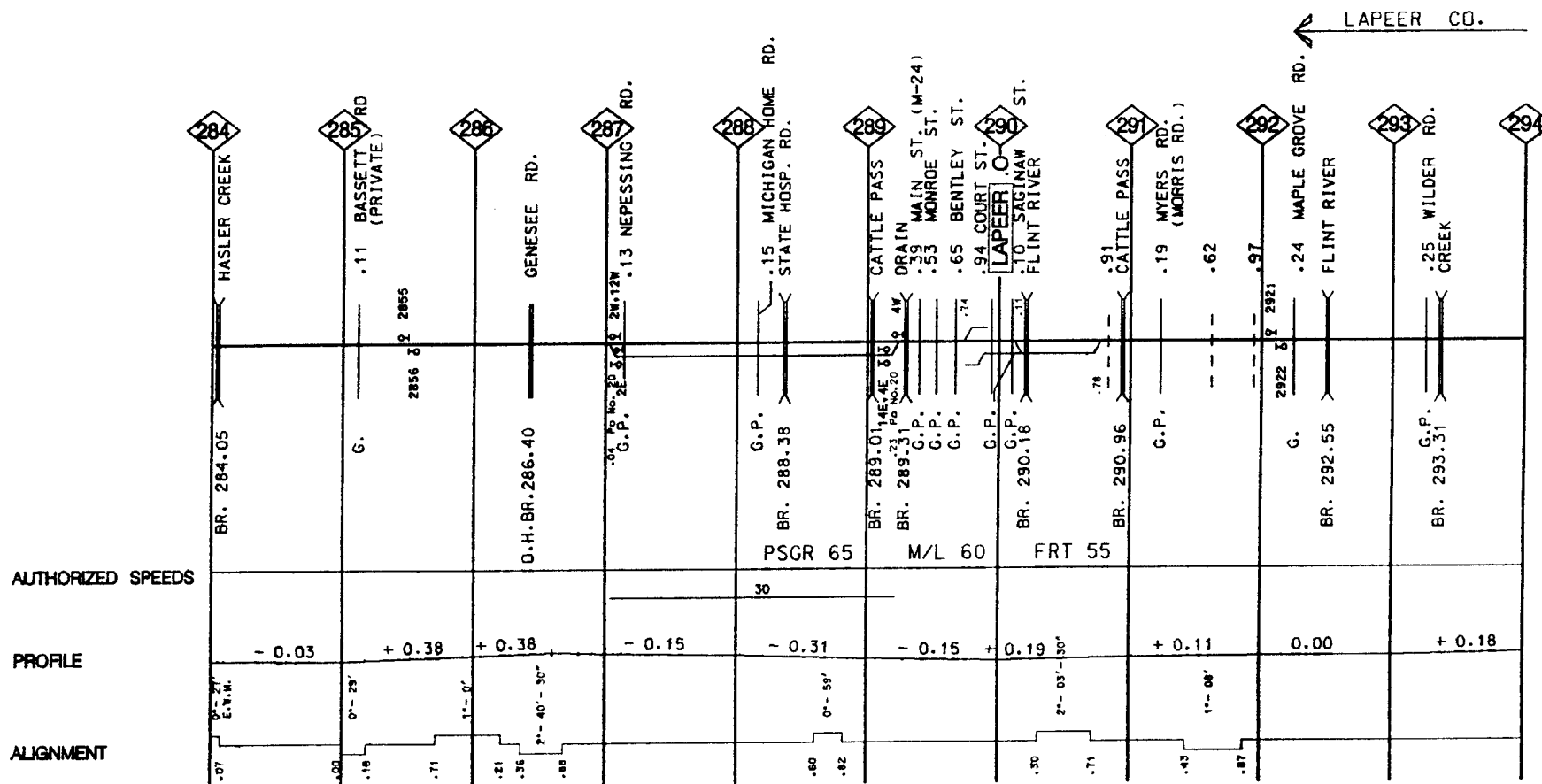
ALIGNMENT

W.W.M.  
E.W.M.

	115 R77-L78 CW	115 L91 CW	115 R77-L78 CW	115 R77-L77 CW LEASED RAIL	115 L91 CW	115 R77-L77 CW LEASED RAIL
RAIL						
TIES						
SURFACING						
UNDERCUT./BAL.CLEAN.						
GRINDING						
SHOULDER BAL.CLEAN.						

112 R47-L47	
1988	
1992	

100 R43-L44	
RAIL	
TIES	
1988	
SURFACING	
UNDERCUT./BAL.CL.	
GRINDING	
SHOULDER BAL.CL.	



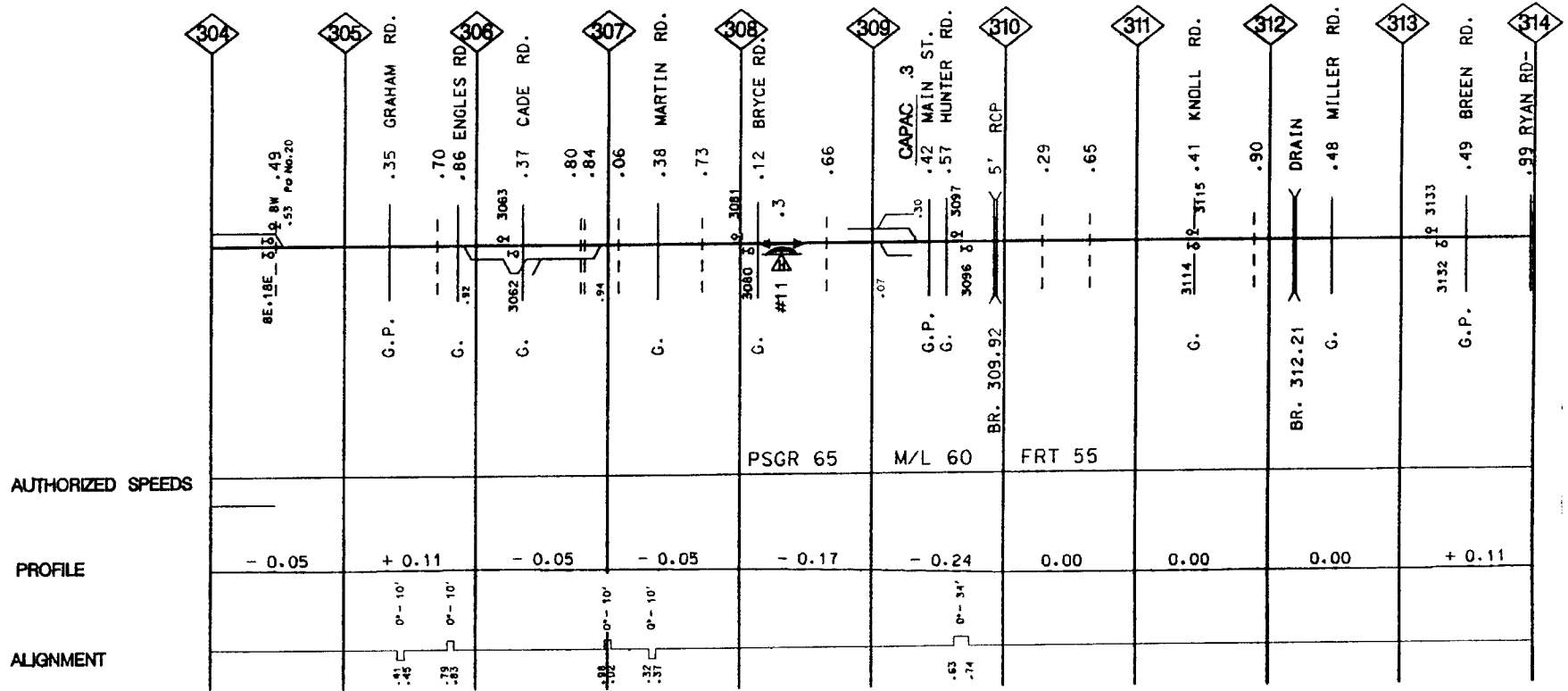
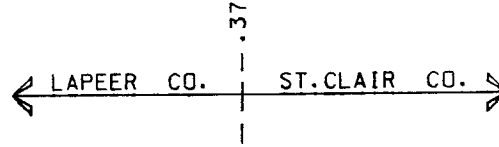




RAIL		115 R80-81 H.82 CW				115 PW-L81CW			
TIES				1988					
SURFACING				1992					
UNDERCUT./BAL.CLEAN.									
GRINDING				1992					
SHOULDER BAL.CLEAN.				1988					

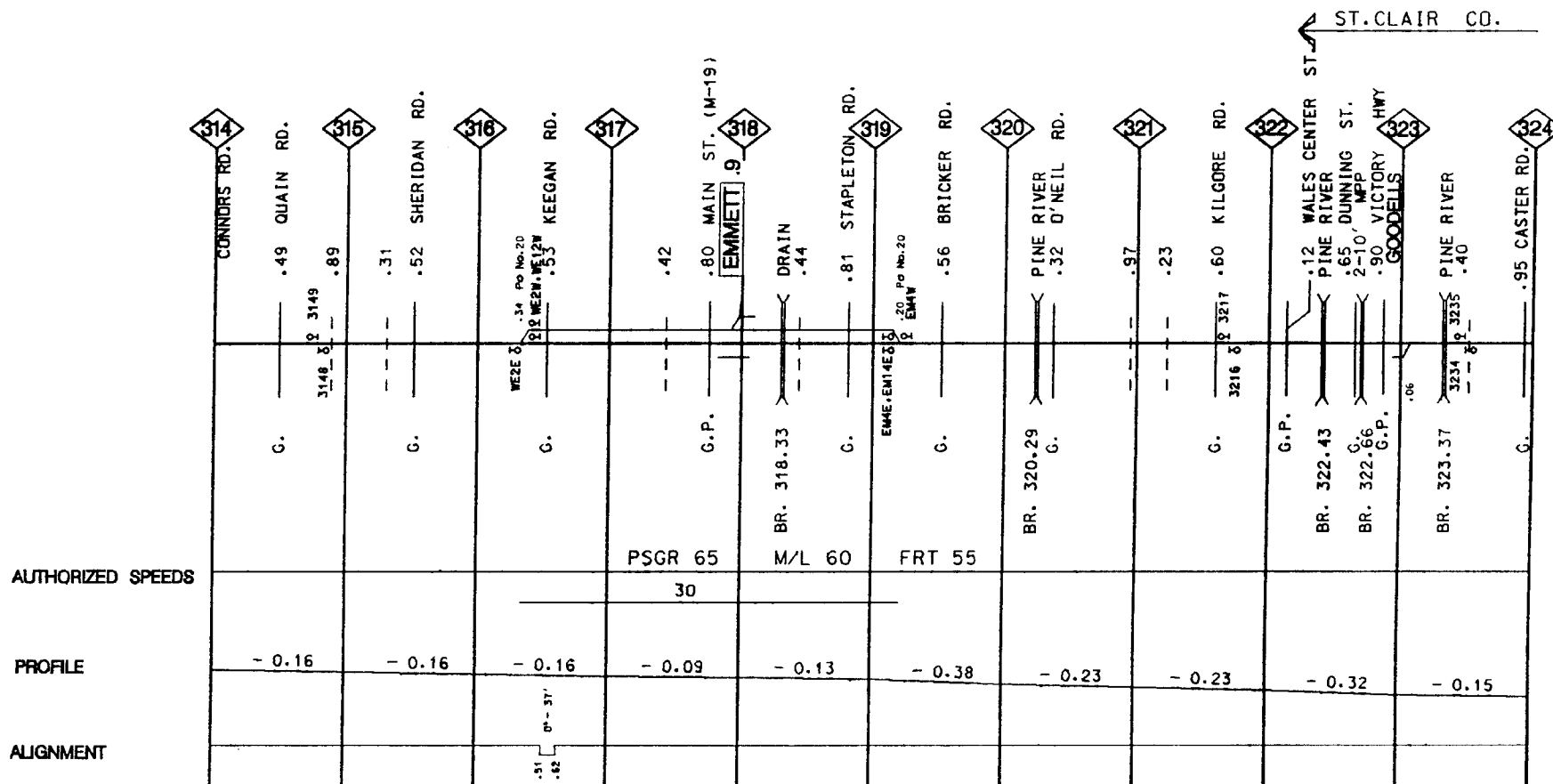
100 R44-L44
1988
1990

100 R44-L44
RAIL
TIES
SURFACING
UNDERCUT./BAL.CL.
GRINDING
SHOULDER BAL.CL.



RAIL		115 PW-L81CW				115 R78-L80 CW	
TIES					1988		
SURFACING					1992		
UNDERCUT/BAL.CLEAN							
GRINDING		1992		1985	1992		
SHOULDER BAL.CLEAN					1988		

115 R48-L49	RAIL
1988	TIES
1990	SURFACING
1992	UNDERCUT/BAL.CL.
	GRINDING
	SHOULDER BAL.CL.





RAIL	* * 115 R49-L50 * * *	* * *	* * *	100 R41-L56 PW	* * *	
TIES	1988			1980		
SURFACING				1992		
UNDERCUT/BAL CLEAN						
GRINDING						
SHOULDER BAL CLEAN	1988					

NORTH TRACK

RAIL	* 115 R48-L56 PW * *		100-L90 CW		* * *	100 * *
TIES					1988	
SURFACING					1992	1988 87
UNDERCUT/BAL CLEAN						
GRINDING						
SHOULDER BAL CLEAN	1988					

SOUTH TRACK

WEST  
WARD  
MAIN

EAST  
WARD  
MAIN

ROADMASTER J.P.M. Jr.

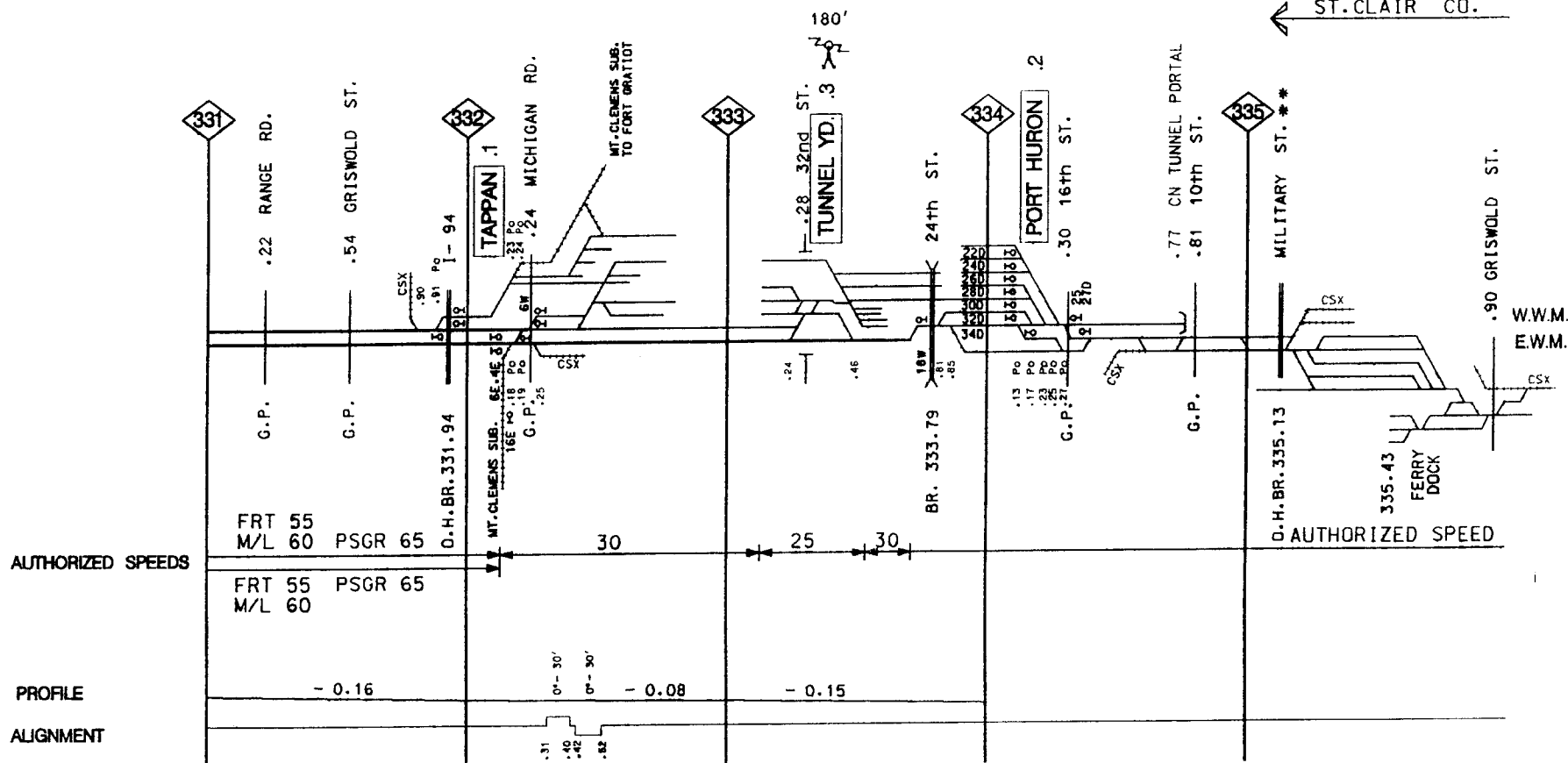
ST. CLAIR CO.

M.P. 331.00 - M.P. 335.00

REV. 01/01/93

FLINT SUBDIVISION

p. 41







RAIL
TIES
SURFACING
UNDERCUT/BAL.CLEAN.
GRINDING
SHOULDER BAL.CLEAN.

	132 L85 CW LEASED RAIL	
1990	1990	
1992	1992	
1990	1990	

ROADMASTER J.E.G.

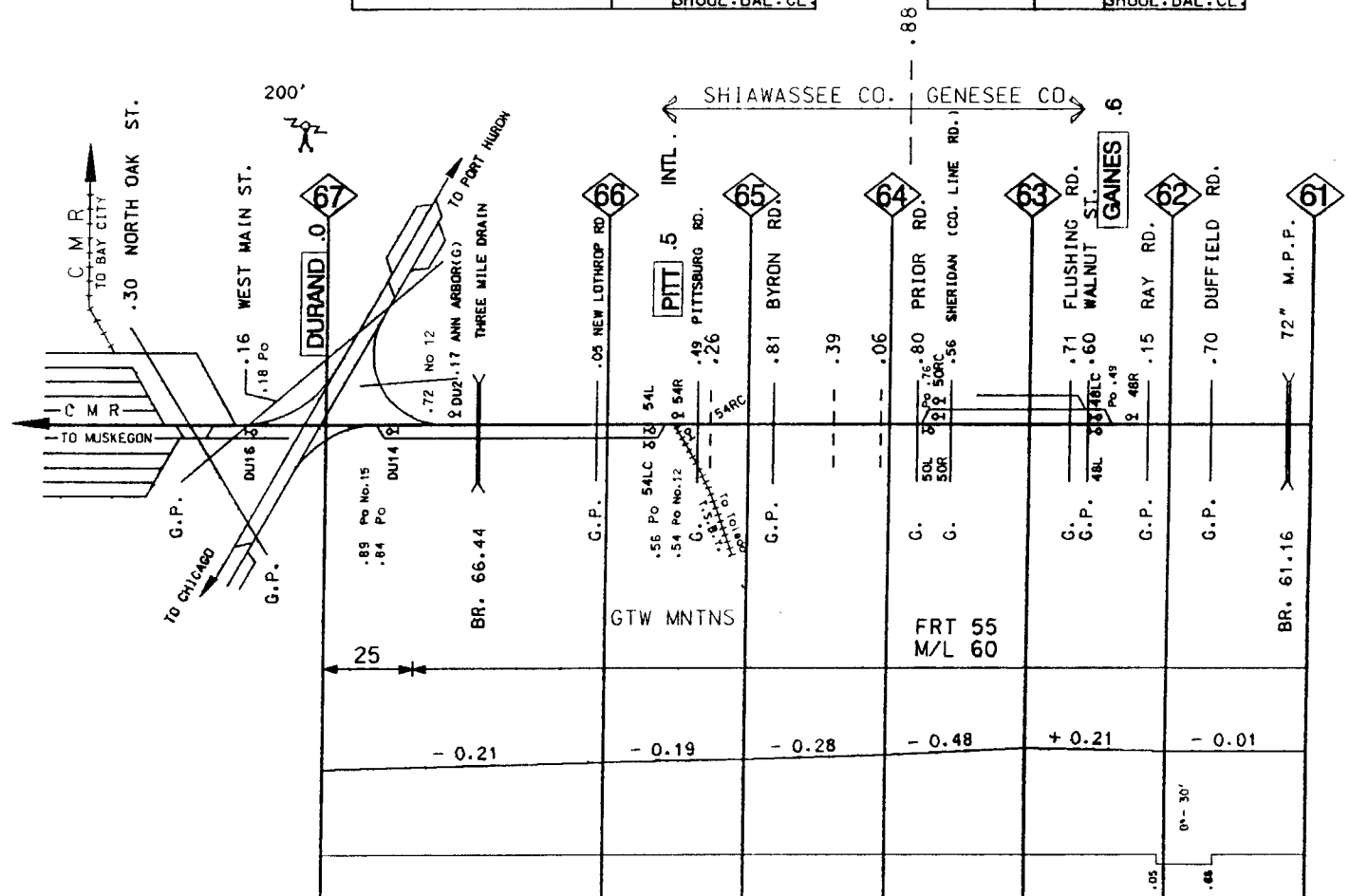
1990	RAIL
1990	TIES
	SURFACE
	BAL.CLEAN.
	GRIND
	SHOUL.BAL.CL.

1990	RAIL
1990	TIES
	SURFACE
	BAL.CLEAN.
	GRIND
	SHOUL.BAL.CL.

AUTHORIZED SPEEDS

PROFILE

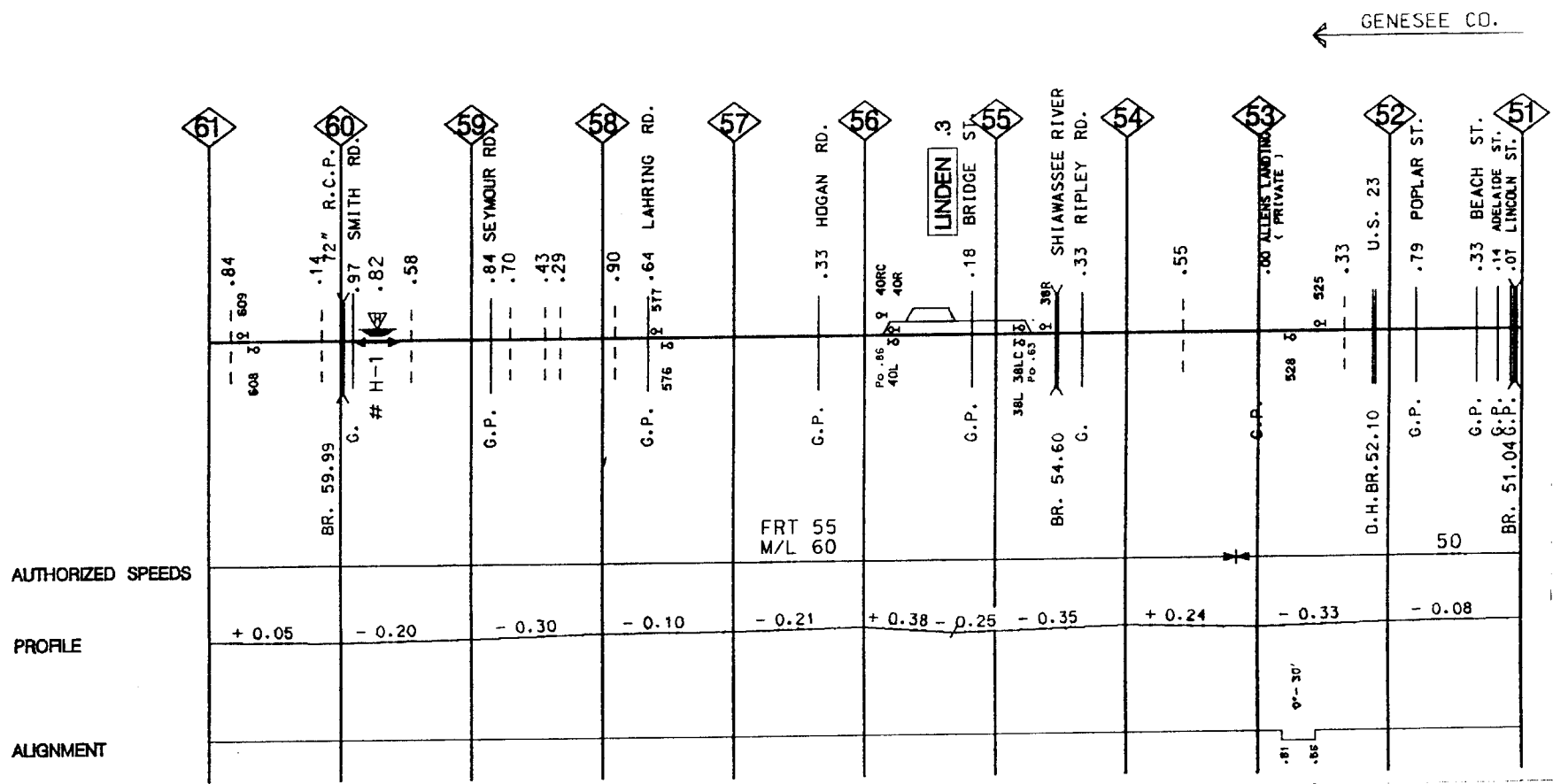
ALIGNMENT





RAIL				132 L85 CW	LEASED RAIL					132 L85 CW
TIES					1990					
SURFACING	1992				1990	1992			1990	
UNDERCUT/BAL.CLEAN.	1992				1990					1990
GRINDING					1990					
SHOULDER BAL.CLEAN.								1986		

RAIL	
TIES	
SURFACE	
BAL. CLEAN.	
GRIND	
SHOUL. BAL. CL.	



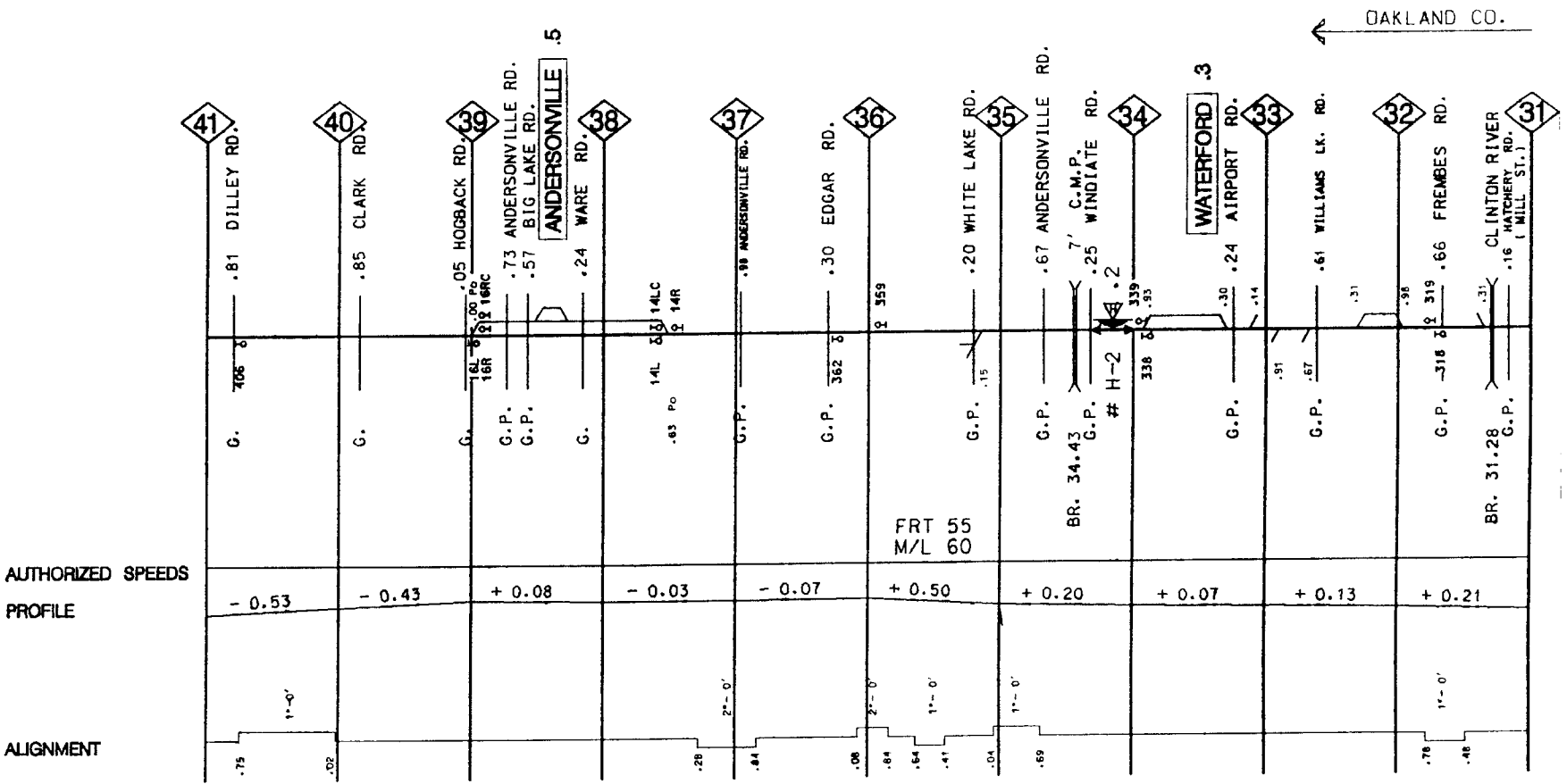
GENESEE CO.



RAIL		115 R80-81-L82 CW	115L78CV	115L79CV	115 R78-L79 CW	
TIES			1990			1991
SURFACING	1991		1990			
UNDERCUT/BAL.CLEAN.			1990			
GRINDING	901	1992	1990		1992	
SHOULDER BAL.CLEAN.			1986			

1990	1978	RAIL
1990		TIES
		SURFACE
		BAL.CLEAN.
		GRIND
		SHOUL.BAL.CL.

1990	RAIL
1990	TIES
	SURFACE
	BAL.CLEAN.
	GRIND
	SHOUL.BAL.CL.



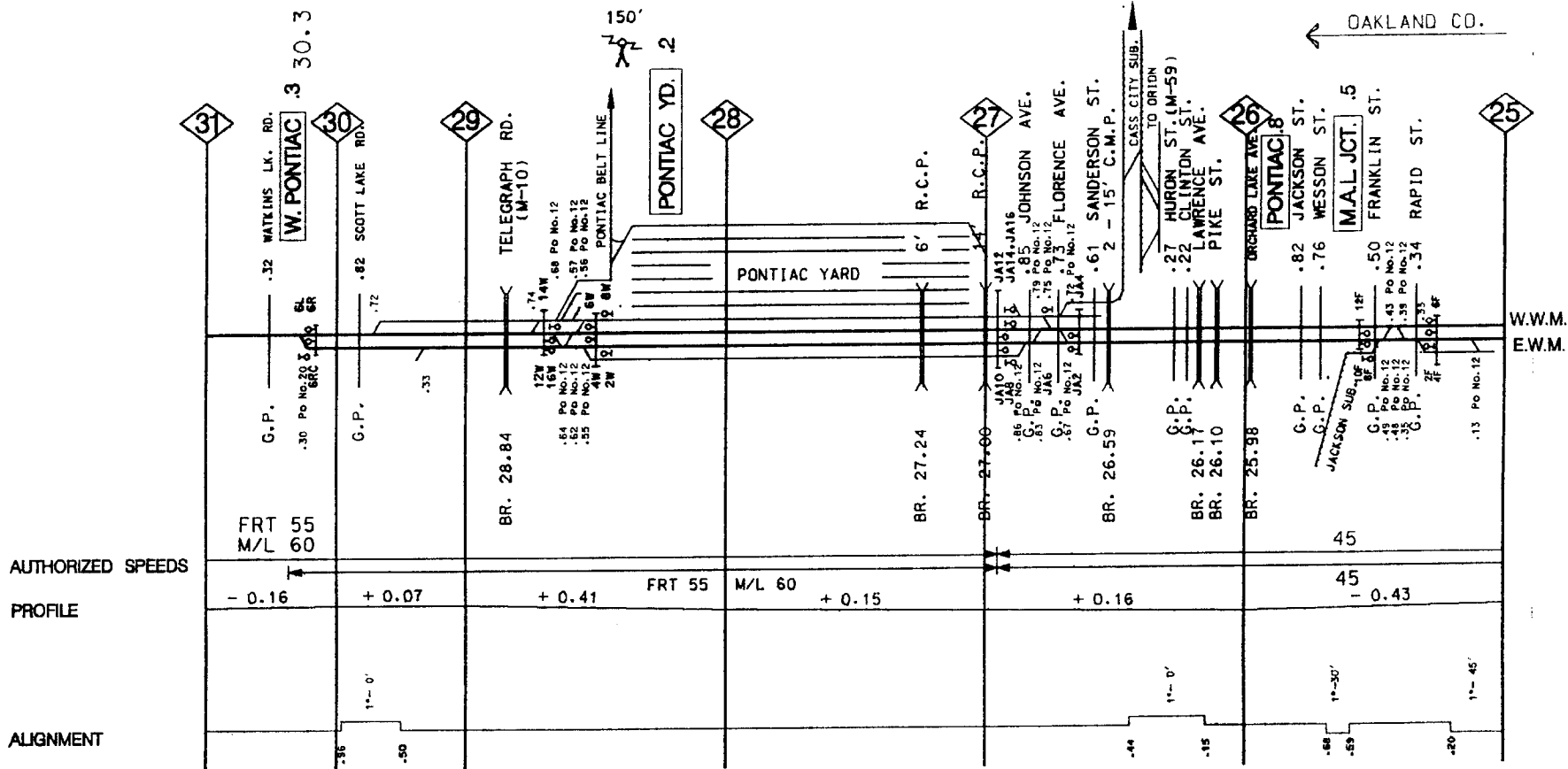
RAIL	115 R78-L79 CW	115 L92 CW	132 L91PWCW	115 L92 CW
TIES				1990
SURFACING	1990			1992
UNDERCUT/BAL CLEAN.		1990		
GRINDING				1992
SHOULDER BAL CLEAN.				1986

RAIL
TIES
SURFACING
UNDERCUT/BAL CLEAN.
GRINDING
SHOULDER BAL CLEAN.

	115 L92 CW	132 L91PWCW	115 L92 CW
			1990
			1992
			1992
			1986

WEST  
WARD  
MAIN

EAST  
WARD  
MAIN

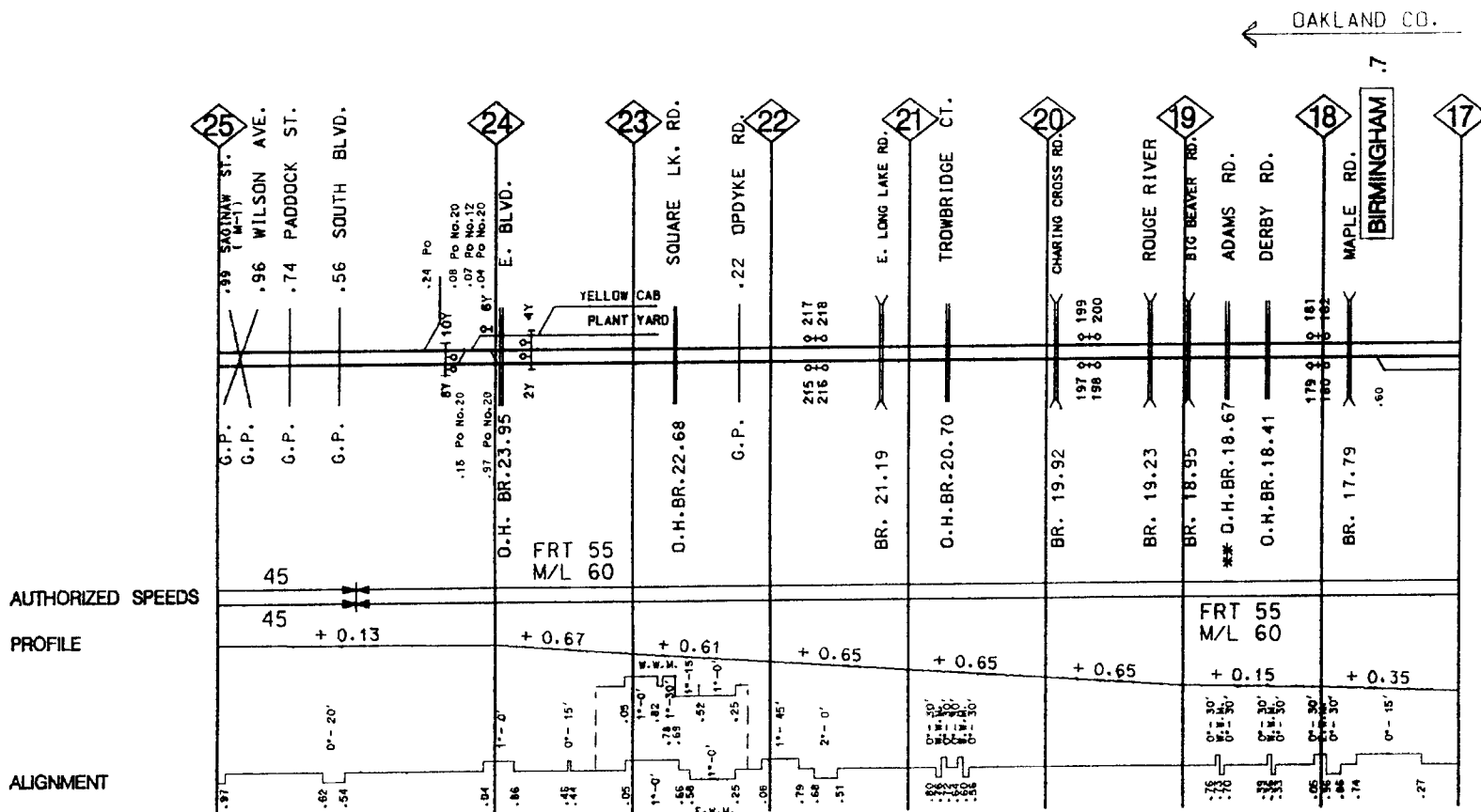


RAIL	115 L92 CW	115 L89 CW	115 L92 CW	115 R53-L53
TIES			1990	
SURFACING			1992	
UNDERCUT/BAL.CLEAN.				1990
GRINDING	1992		1992	
SHOULDER BAL.CLEAN.	1986	1985		86

# NORTH TRACK

RAIL	115 L92 CW	115 R48-L49
TIES	1990	1990
SURFACING		1992
UNDERCUT/BAL.CLEAN.		
GRINDING	1992	1980
SHOULDER BAL.CLEAN.	1986	1985

# SOUTH TRACK



AUTHORIZED SPEEDS

PROFILE

ALIGNMENT

WEST  
WARD  
MAIN

EAST  
WARD  
MAIN

W.W.M.  
E.W.M.

M.P. 17.00 - M.P. 25.00

REV. 01/01/93

HOLLY SUBDIVISION

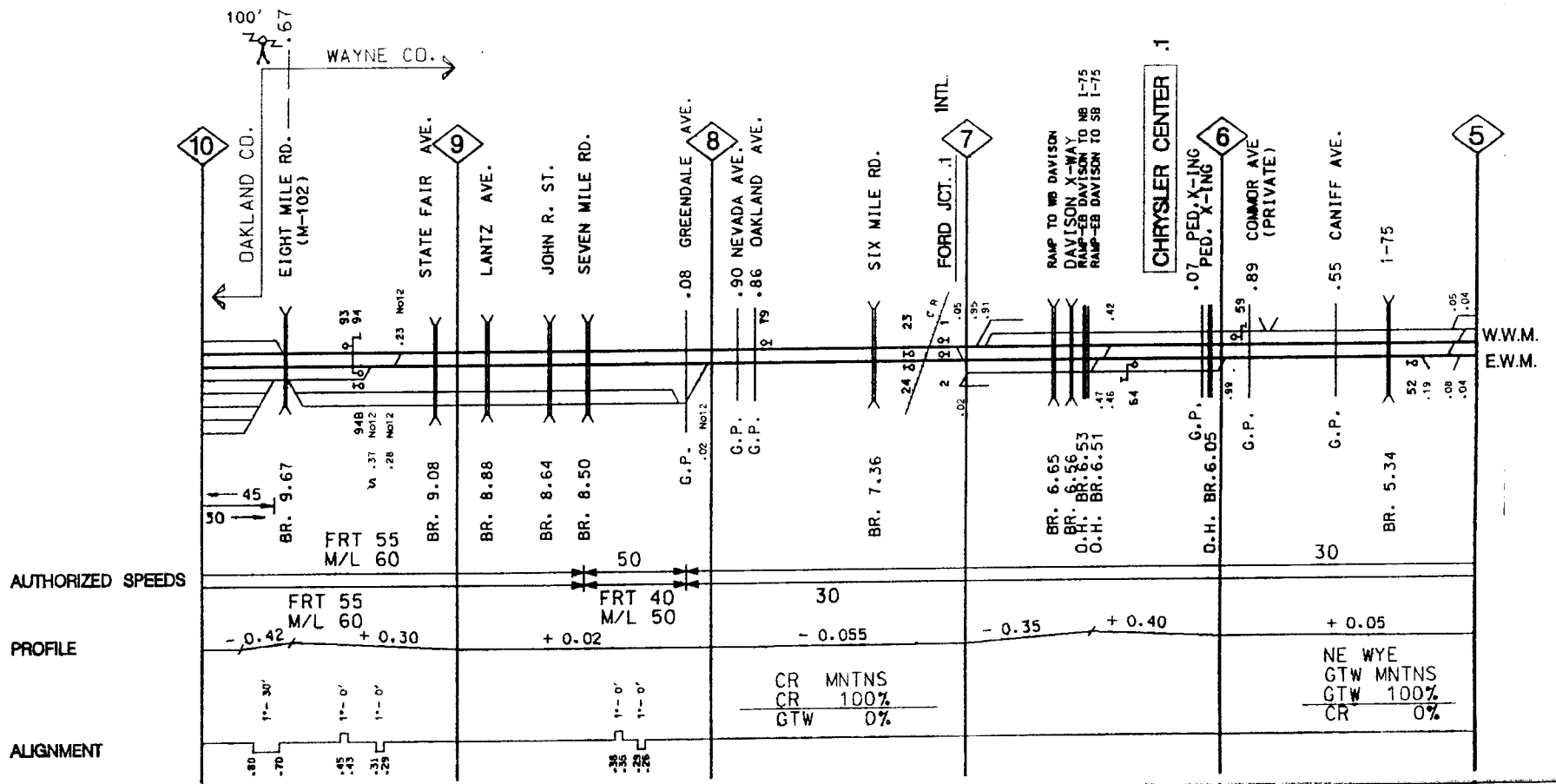


RAIL	115 R48-L89 CW	115R48-L48	115R53-L53	115R53-L54
TIES	1989	1991	1991	1992
SURFACING				
UNDERCUT/BAL CLEAN				
GRINDING	1990			
SHOULDER BAL CLEAN			1985	

WEST  
WARD  
MAIN

RAIL	115 L89 CW	115R48-L48	115R53-L53-54	
TIES	1989	1991	1992	
SURFACING				
UNDERCUT/BAL CLEAN				
GRINDING	1990			
SHOULDER BAL CLEAN			1985	

EAST  
WARD  
MAIN



AUTHORIZED SPEEDS

PROFILE

ALIGNMENT



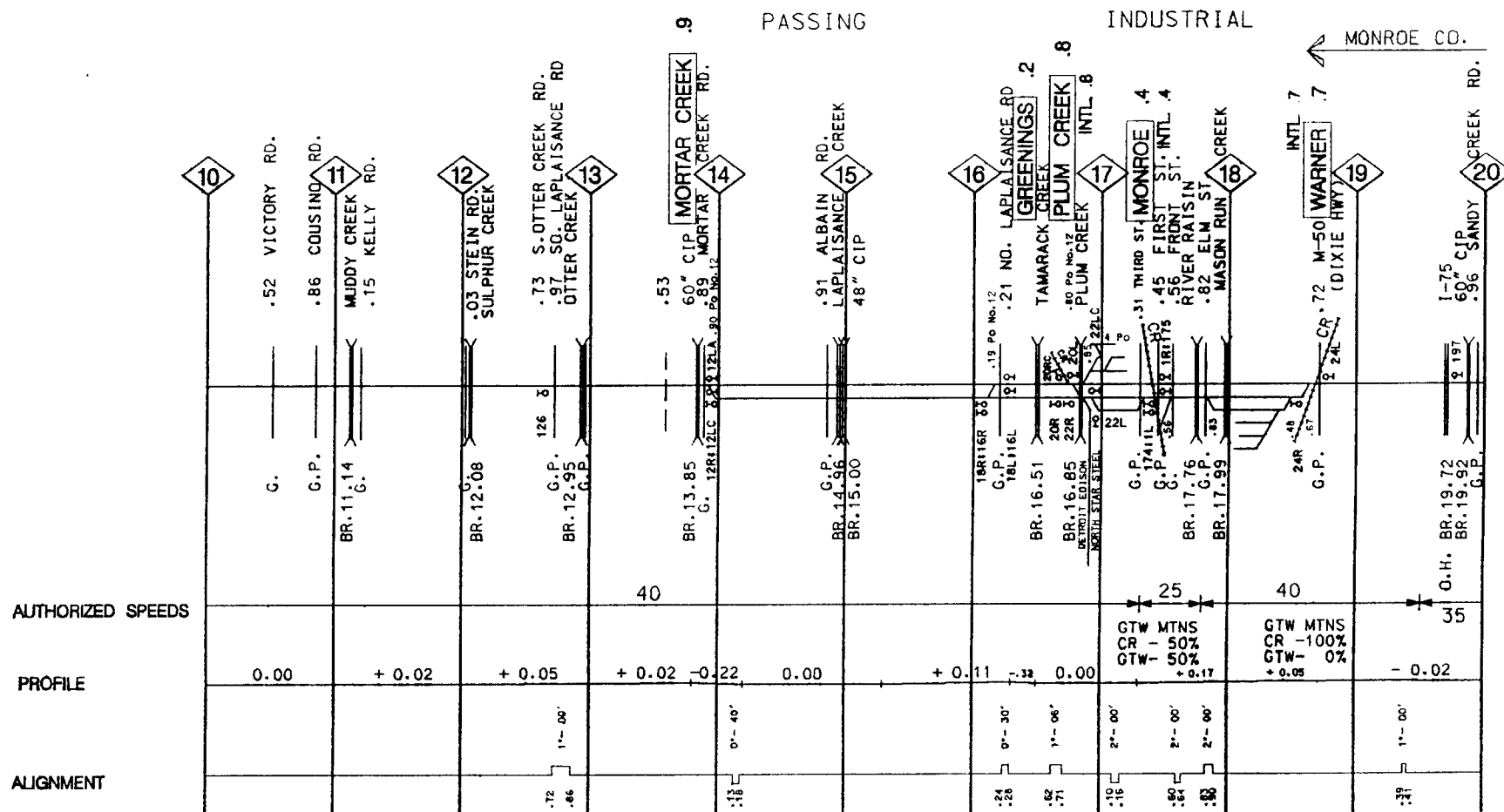




RAIL			132 L91 CWPW		132 L90 CW		115 L71 CW		115 L73 CW		115 L77 CW		100 R53
TIES							1989				1992		1989
SURFACING			1991				1992		1989		1992		1989
UNDERCUT/BAL CLEAN													
GRINDING			1992				1982						
SHOULDER BAL CLEAN													

RAIL	
TIES	
SURFACING	
UNDERCUT/BAL CLEAN	
GRINDING	
SHOULDER BAL CLEAN	

* * * * *	100 R31 *	* * * * *	100 R30 *
	1986	1982	1982

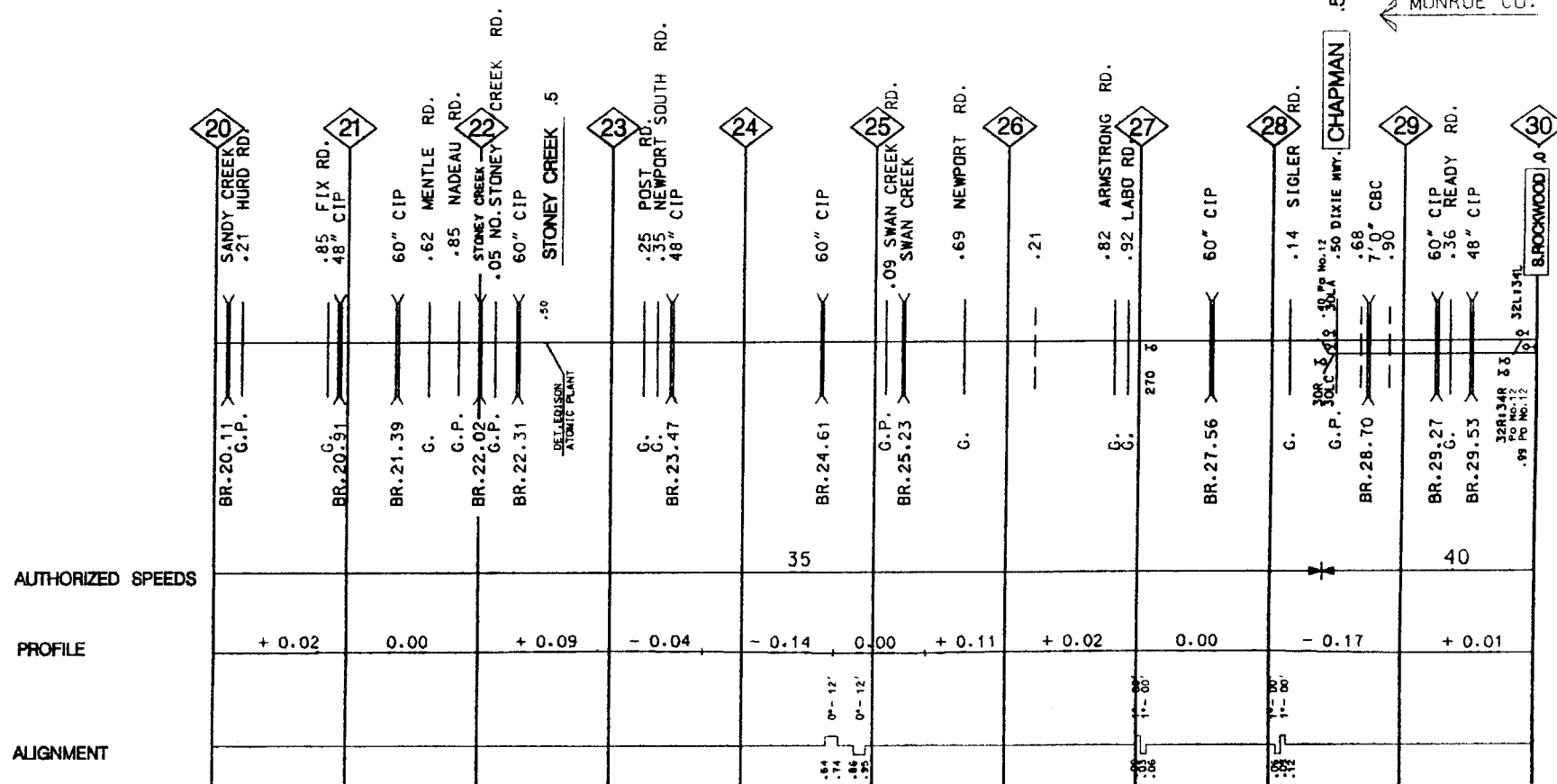


RAIL	*100 R53*	*100 R51*	*100 R53*	*100 R45*	*100 R44*	115 L75 CW
TIES						
SURFACING	1989	1992		1989		1982
UNDERCUT/BAL.CLEAN.						1987
GRINDING						1982
SHOULDER BAL.CLEAN.						1979

RAIL
TIES
SURFACING
UNDERCUT/BAL.CLEAN.
GRINDING
SHOULDER BAL.CLEAN.

100 R52	*100 R55*
	1979

PASSING  
 MONROE CO.





RAIL		132 L90 CW			112 L90 CW		100 R51
TIES		1990			1992		*100 R48*
SURFACING		1990			1992		
UNDERCUT/BAL.CLEAN.							
GRINDING		1992			1990		
SHOULDER BAL.CLEAN.					1979		

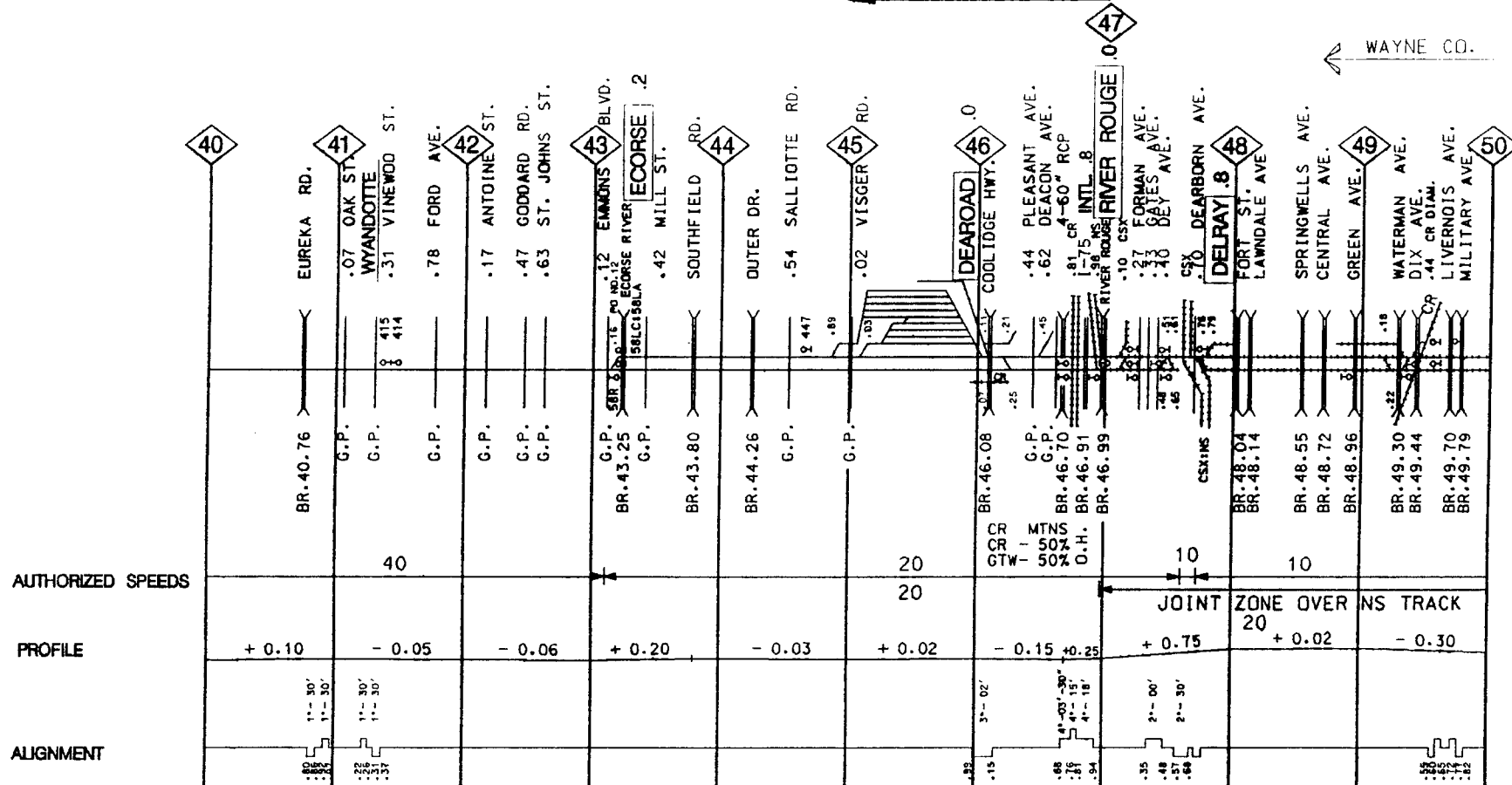
SOUTH  
WARD  
MAIN

RAIL	
TIES	
SURFACING	
UNDERCUT/BAL.CLEAN.	
GRINDING	
SHOULDER BAL.CLEAN.	

		100 L53 CW		
		1992		
		1992		
		1990		
		1979		

NORTH  
WARD  
MAIN

ROADMASTER G.J.S.



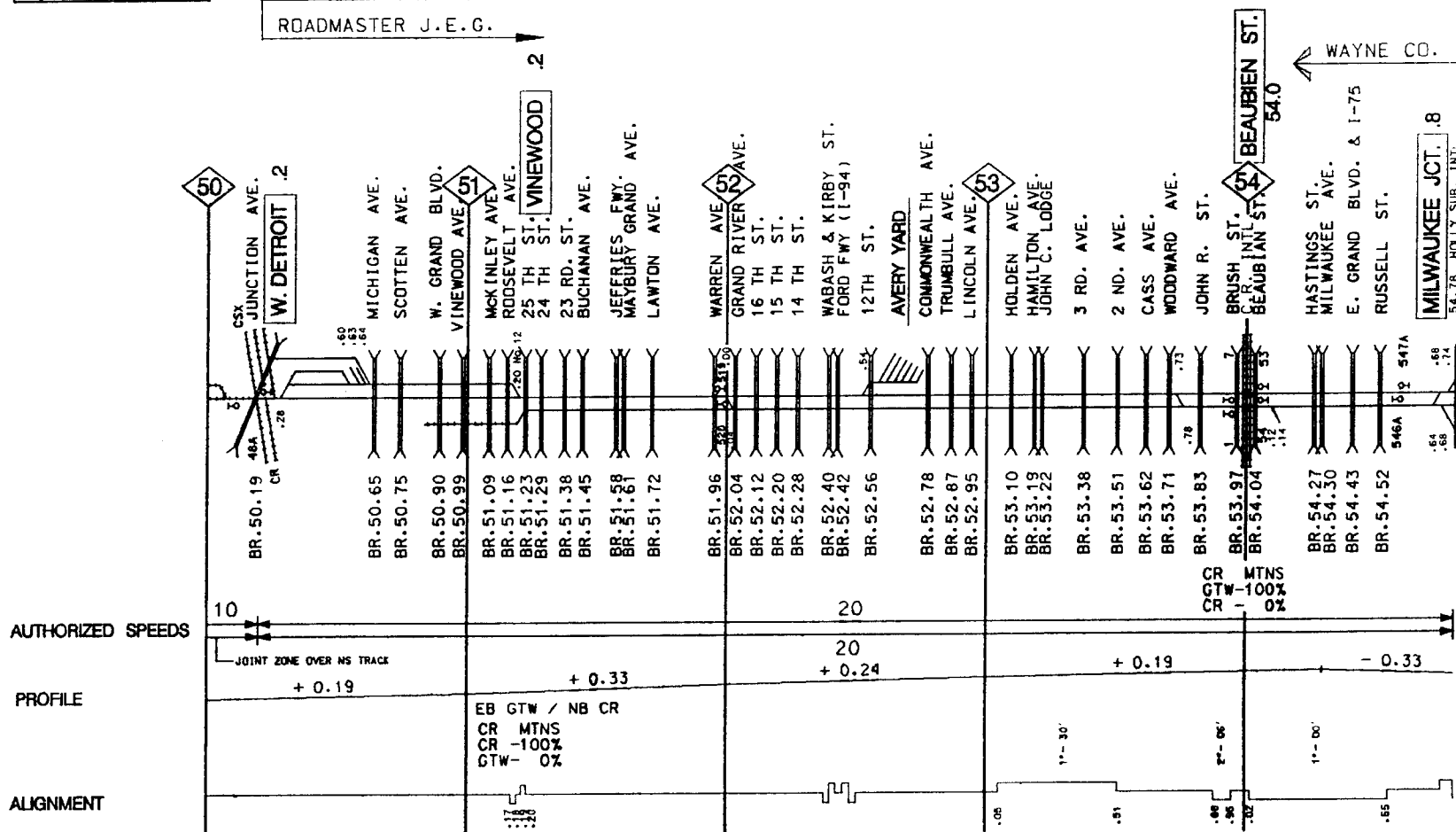
RAIL
TIES
SURFACING
UNDERCUT, BAL. CLEAN.
GRINDING
SHOULDER BAL. CLEAN.

[illegible][illegible]

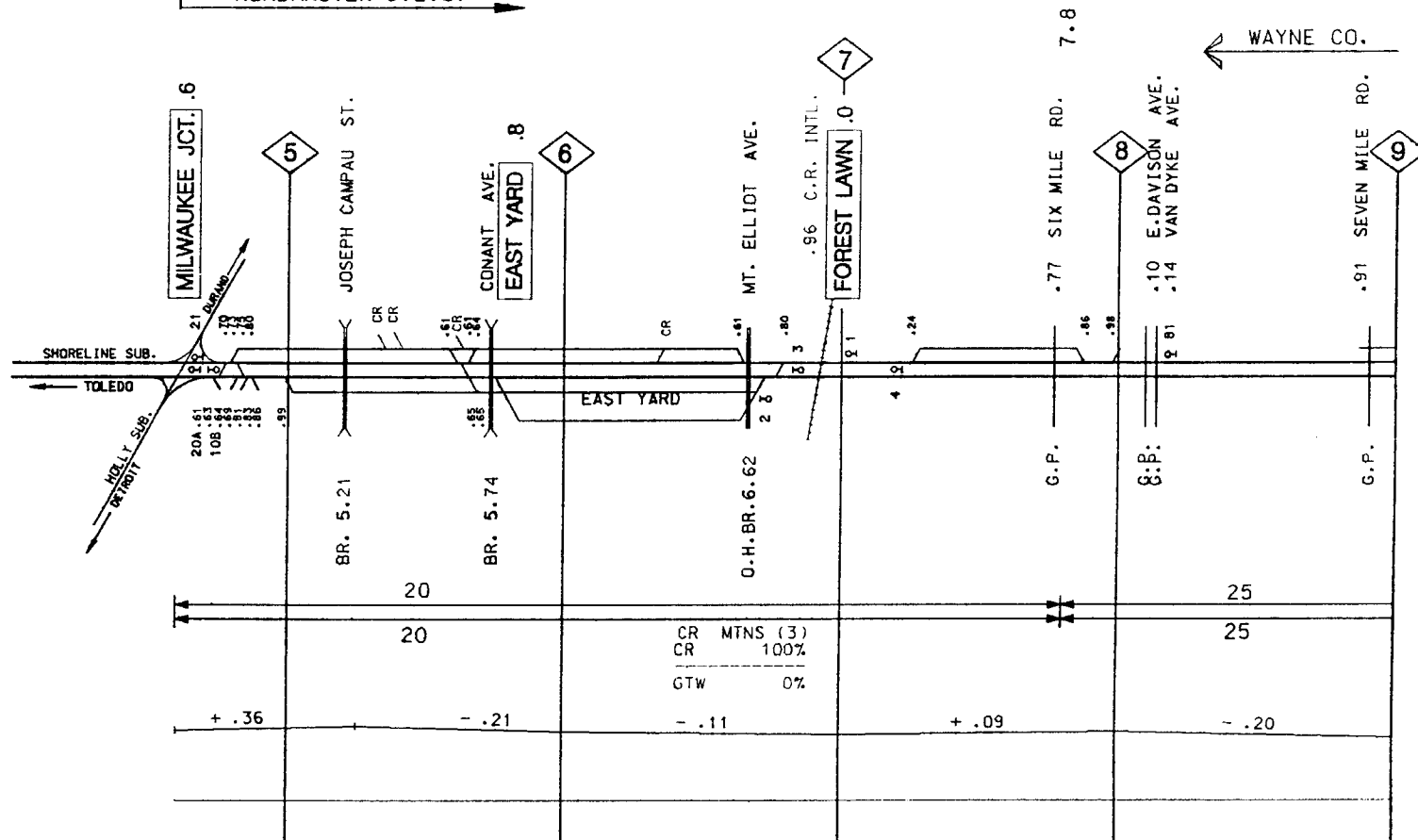
ROADMASTER J.E.G.

NORTH  
WARD  
MAIN

TUNNEL  
TRACK



RAIL
TIES
SURFACING
UNDERCUT/BAL.CLEAN.
GRINDING
SHOULDER BAL.CLEAN.



P.59

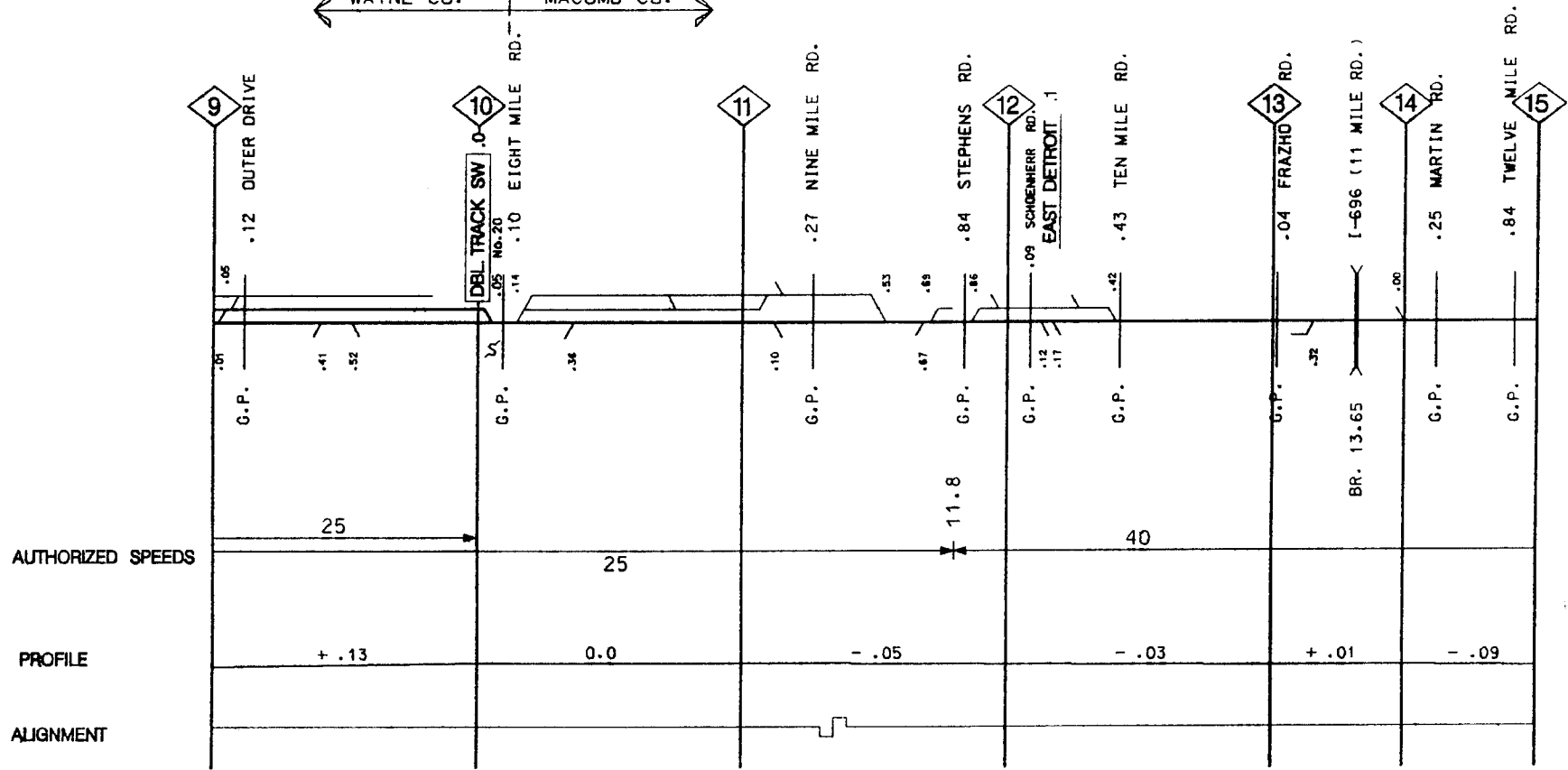
RAIL	* 100 R45 L55 PW *	* 100 R42 L59 PW *	* 100 R49 L49 *	* *	* *
TIES	1981	1980 FRA CL 3	1982		
SURFACING	1988	1987	1988		1987
UNDERCUT/BAL CLEAN					
GRINDING					
SHOULDER BAL CLEAN					

— NORTH TRACK —

RAIL	* 100 R15 L25 PW *	
TIES	1977	
SURFACING	1988	
UNDERCUT/BAL CLEAN		
GRINDING		
SHOULDER BAL CLEAN		

— SOUTH TRACK —

WAYNE CO.      MACOMB CO.



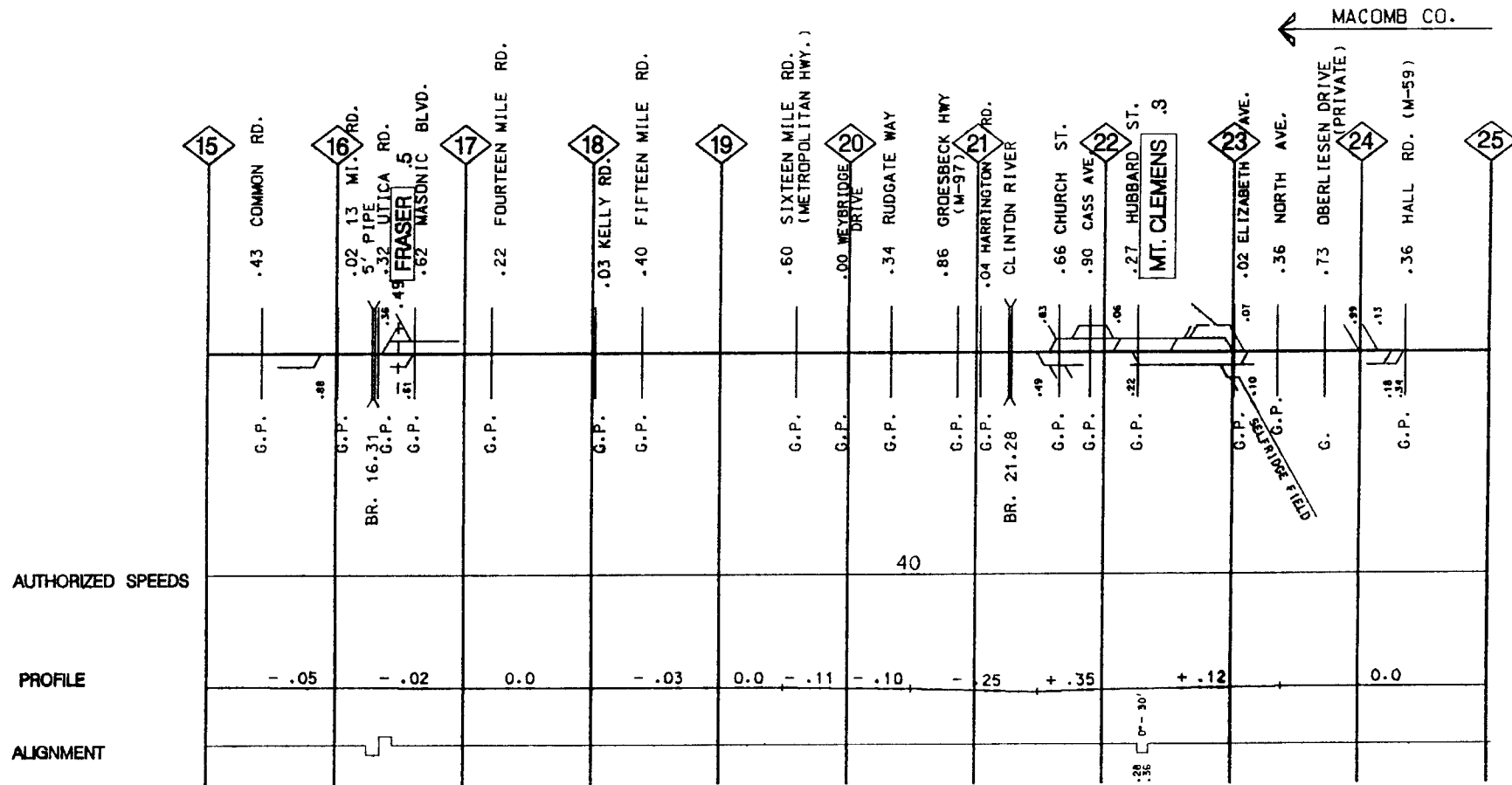
AUTHORIZED SPEEDS

PROFILE

ALIGNMENT



RAIL	* * * *	100 R49 L49	* * * *	* * * *	* * * *	100 R50 L50	* * * *	* * * *	100 R51 L51	* * * *
TIES										
SURFACING										
UNDERCUT/BAL CLEAN										
GRINDING										
SHOULDER BAL CLEAN										

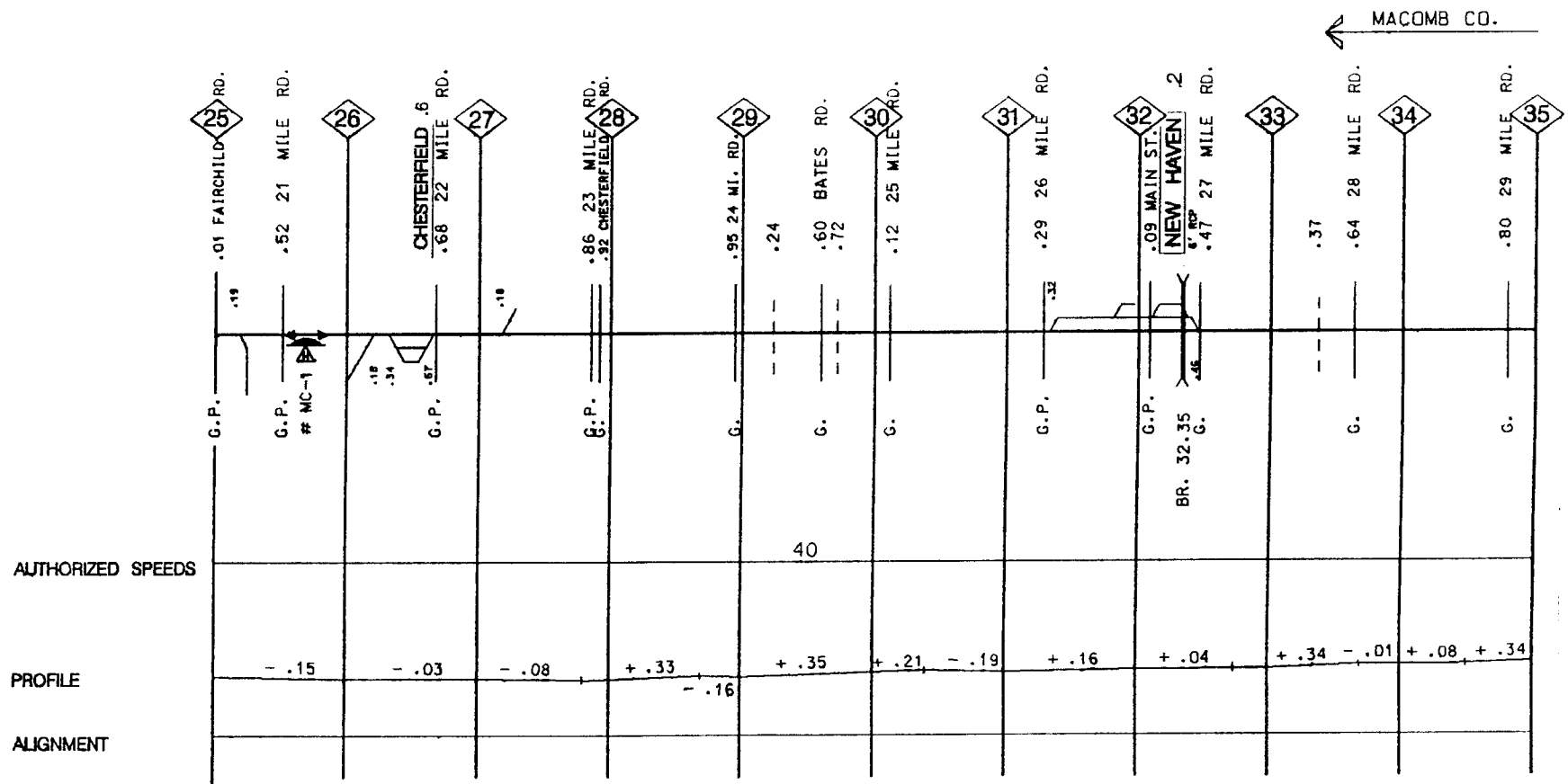


AUTHORIZED SPEEDS

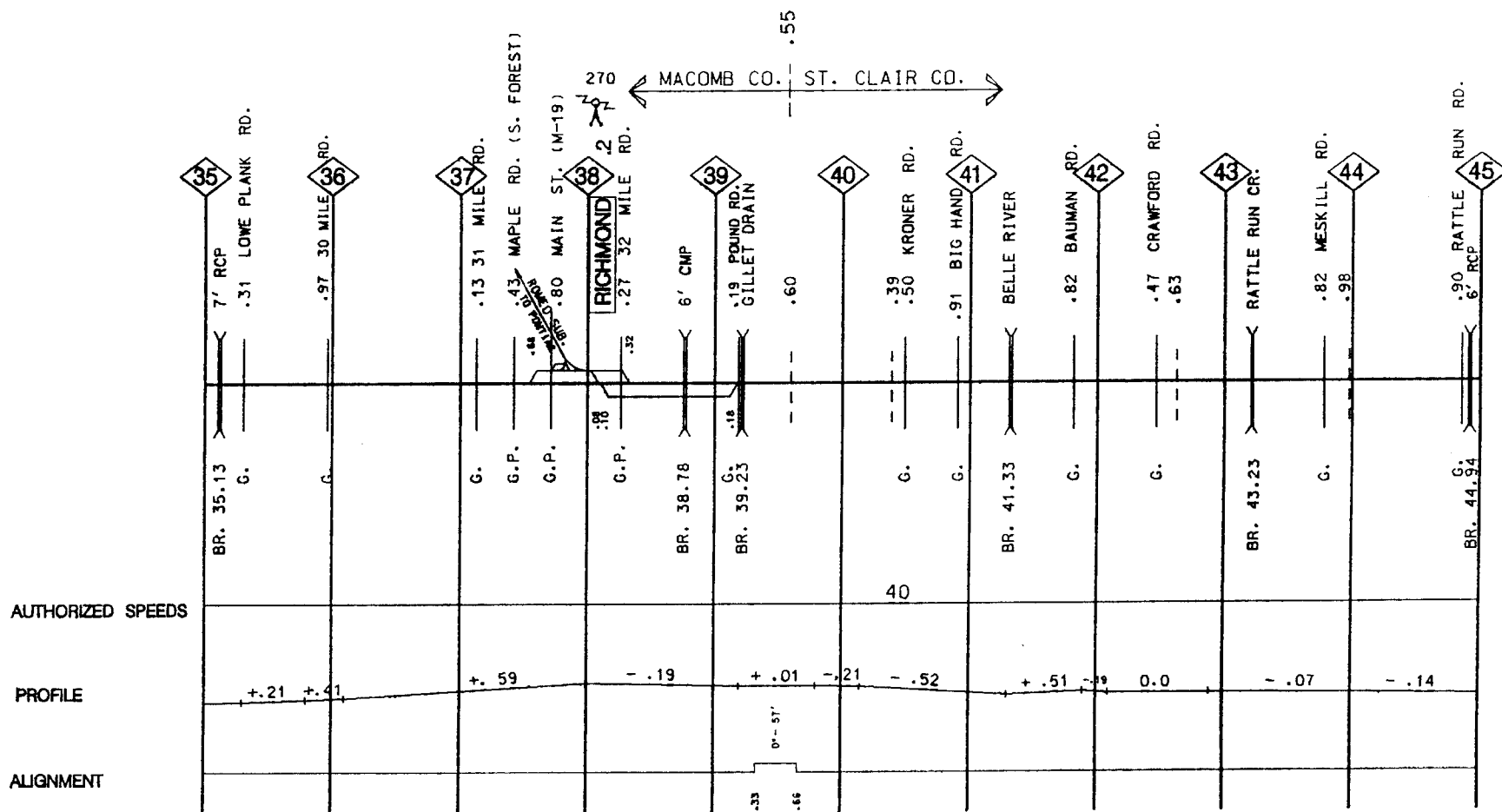
PROFILE

ALIGNMENT

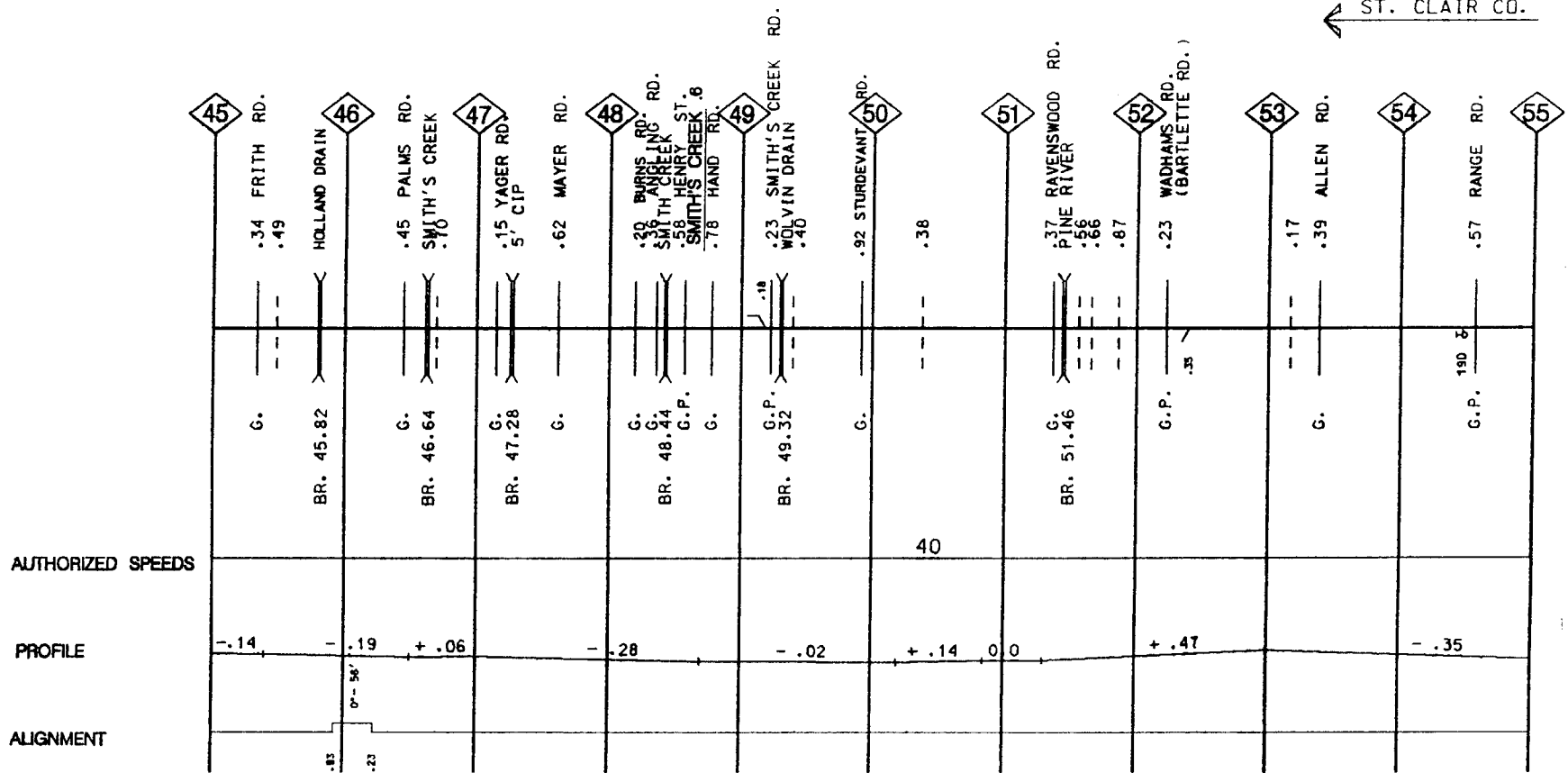
RAIL	100 R51 L51	*	*	*	*	*	*	*	*	*	*	*	*	*	100 R52 L52	*	*	*	*	*	*	*	*	*	*	100 R43 L62 PW	*	*
TIES	1980														1988													
SURFACING	1987														1988													
UNDERCUT./BAL.CLEAN.																												
GRINDING																												
SHOULDER BAL.CLEAN.																												



RAIL	100 R43 L62 PW									
TIES	1988	1982	1972	1988	1980					
SURFACING										
UNDERCUT/BAL CLEAN										
GRINDING										
SHOULDER BAL CLEAN										



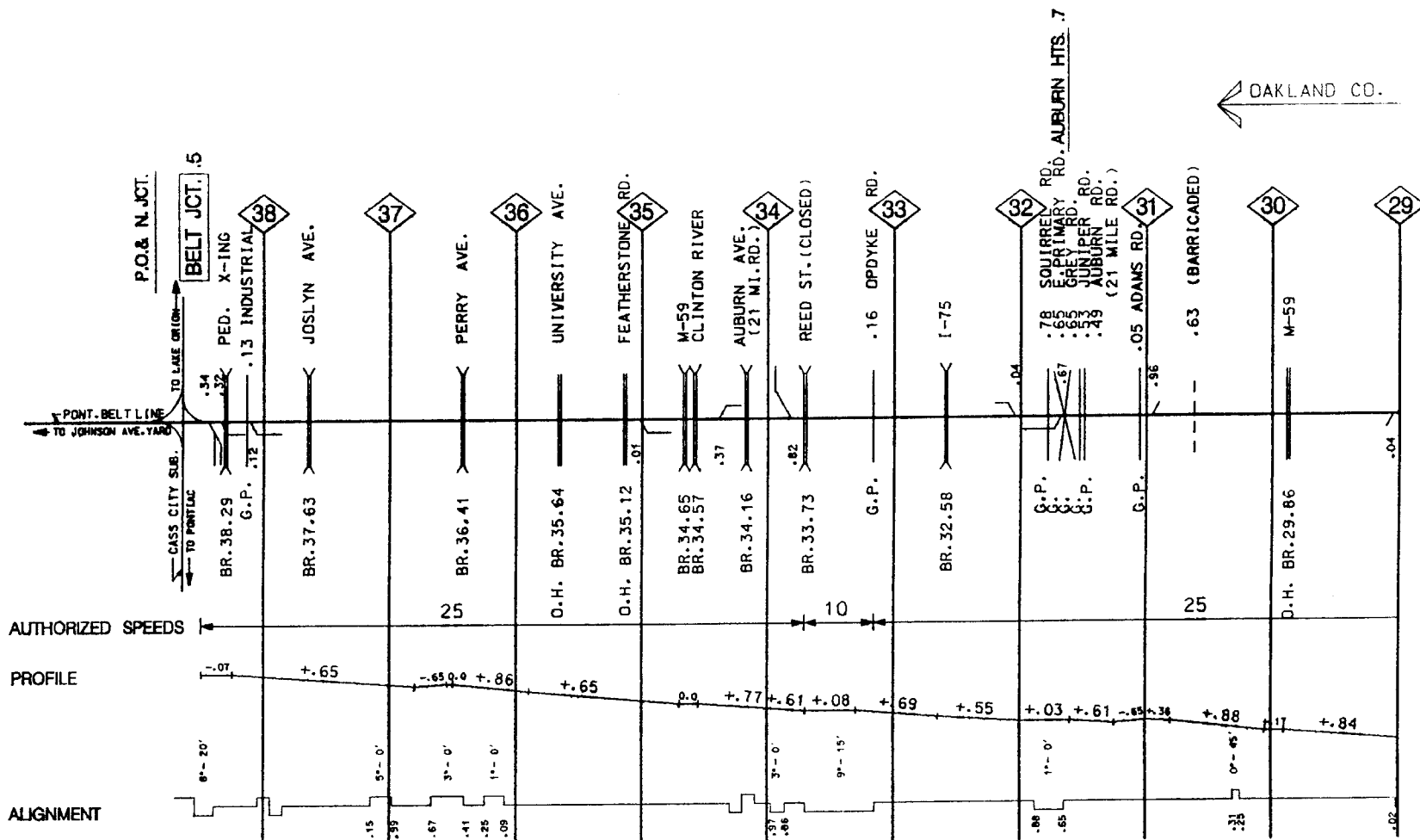
RAIL	*****	*****	*****	*****	100 R50 L50	*****	*****	*****	*****	100 R53 L53
TIES	*****	*****	*****	*****	1985	*****	*****	*****	*****	*****
SURFACING	*****	*****	*****	*****	1988	*****	*****	*****	*****	*****
UNDERCUT/BAL CLEAN										
GRINDING										
SHOULDER BAL CLEAN										





RAIL	*	*	*	*	*	*	*	*	*	100R-L31PW	*	*	*	*	*	130R	L73 PWCW
TIES	*	*	*	*	*	*	*	*	*		*	*	*	*	*	1982	
SURFACING	*	*	*	*	*	*	*	*	*		*	*	*	*	*		
UNDERCUT/BAL CLEAN																	
GRINDING																	
SHOULDER BAL CLEAN																	

ROADMASTER J.E.G.



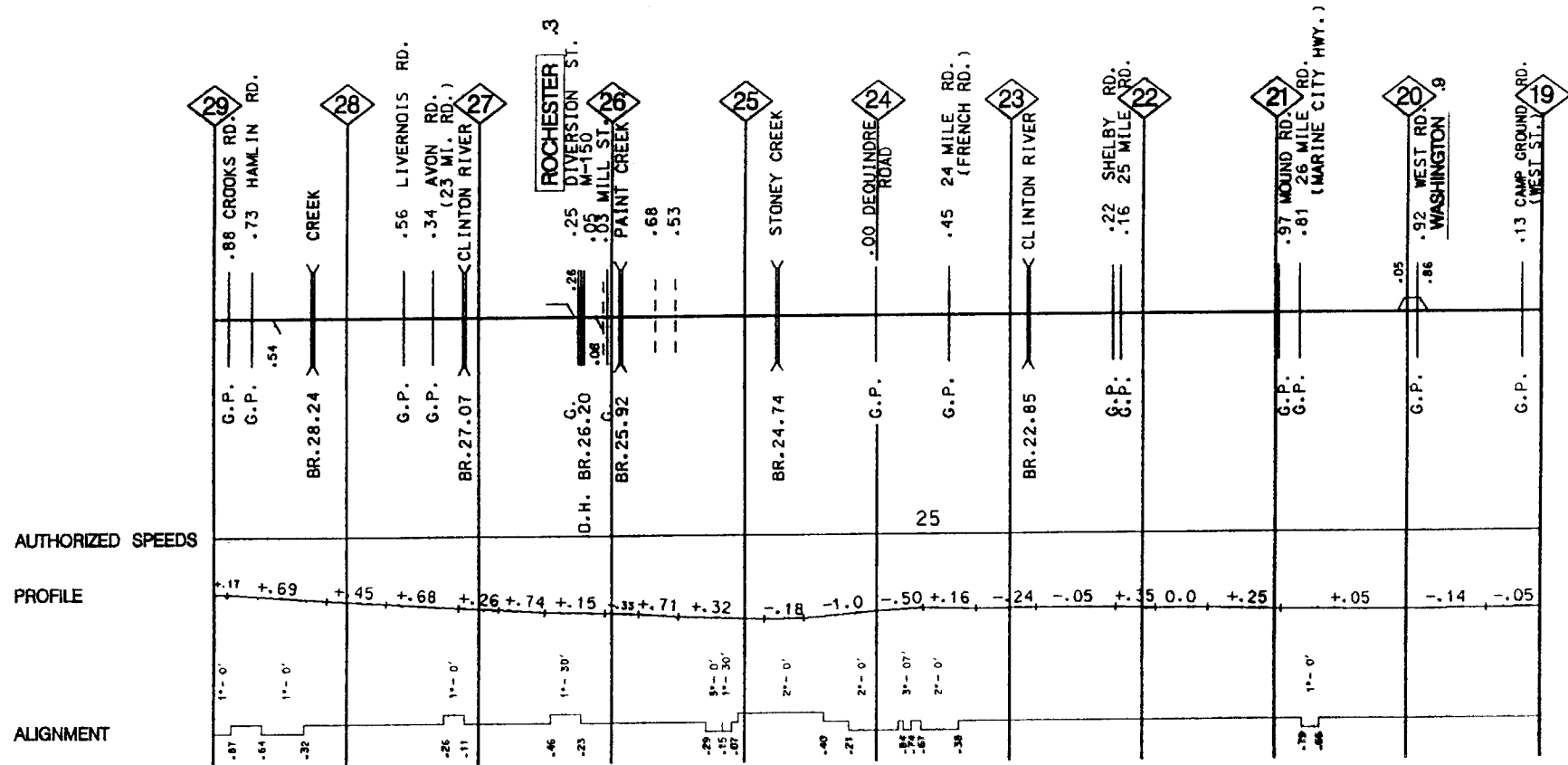
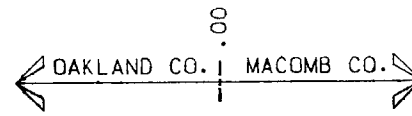
AUTHORIZED SPEEDS

PROFILE

ALIGNMENT

OAKLAND CO.

RAIL				130R - L73 PWCW				100R - L76 PWCW			
TIES					1982						
SURFACING					1983					1982	
UNDERCUT/BAL CLEAN											
GRINDING											
SHOULDER BAL CLEAN											



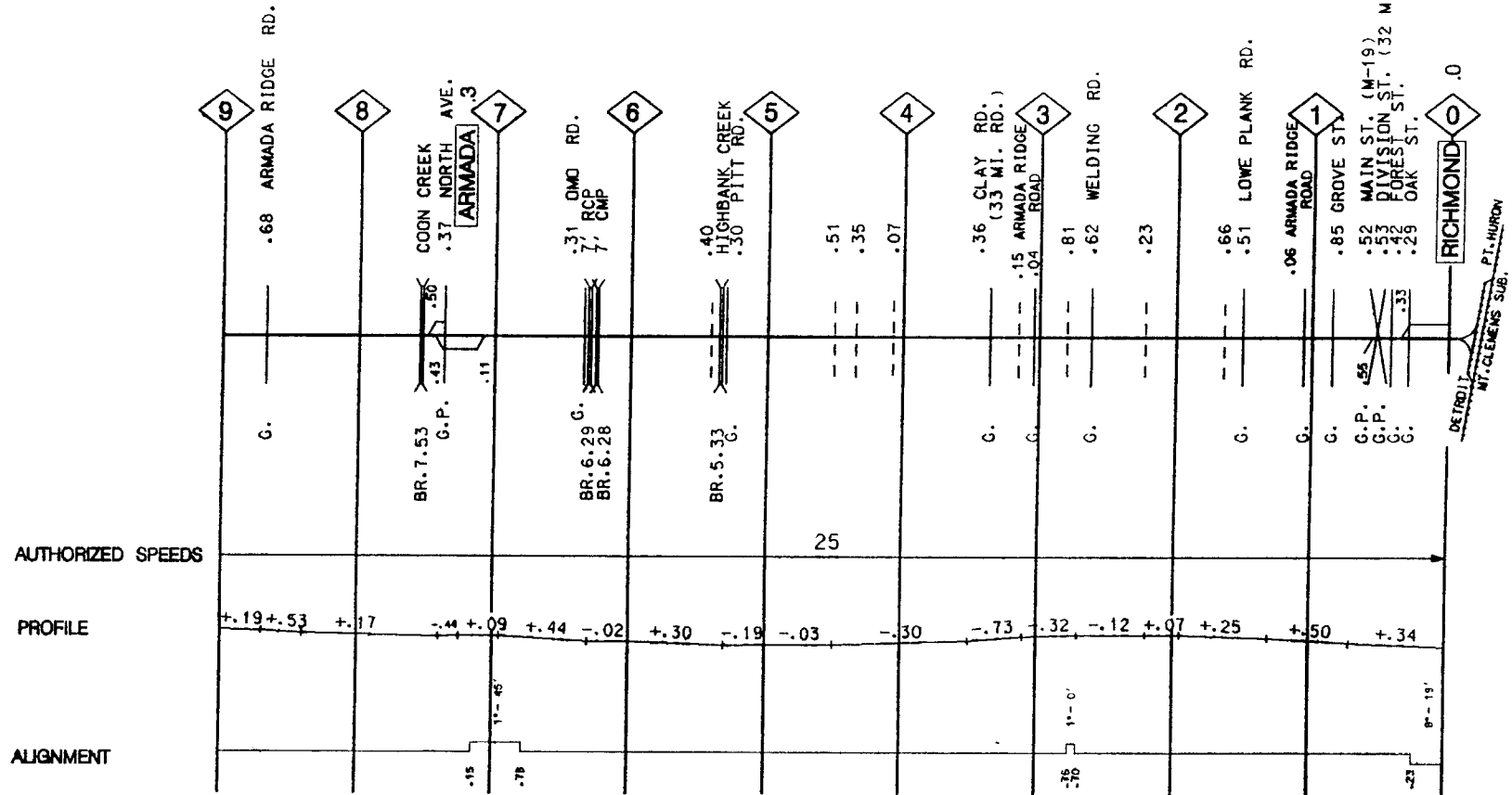




RAIL	130R - L75 PWCW	130R - L74 PWCW	1974
TIES			
SURFACING		1982	
UNDERCUT/BAL CLEAN			
GRINDING			
SHOULDER BAL CLEAN			

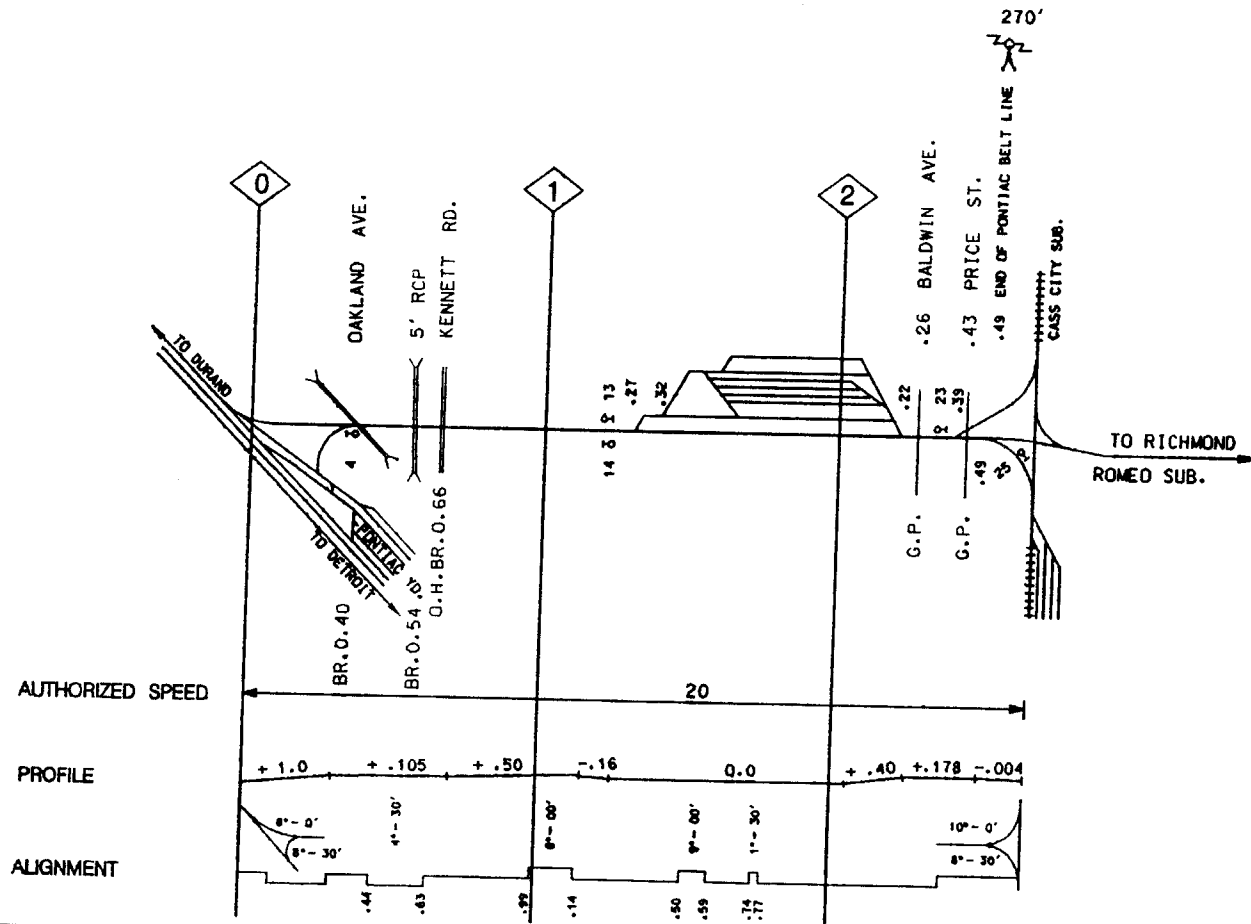
ROADMASTER J.E.G.

MACOMB CO.



RAIL		112 L79 CW PW	
TIES		1979	
SURFACING		1988	
UNDERCUT/BAL CLEAN			
GRINDING			
SHOULDER BAL CLEAN			

← ROADMASTER J.E.G.  
OAKLAND CO.







SOUTHBOUND  
MAIN

RAIL	112R37-159PW	112R37-159PW (EAST RAIL 112CW)	115L56
TIES	1959	1982	
SURFACING		1989	
UNDERCUT/BAL CLEAN			
GRINDING			
BOLTMASTER			

90-R25

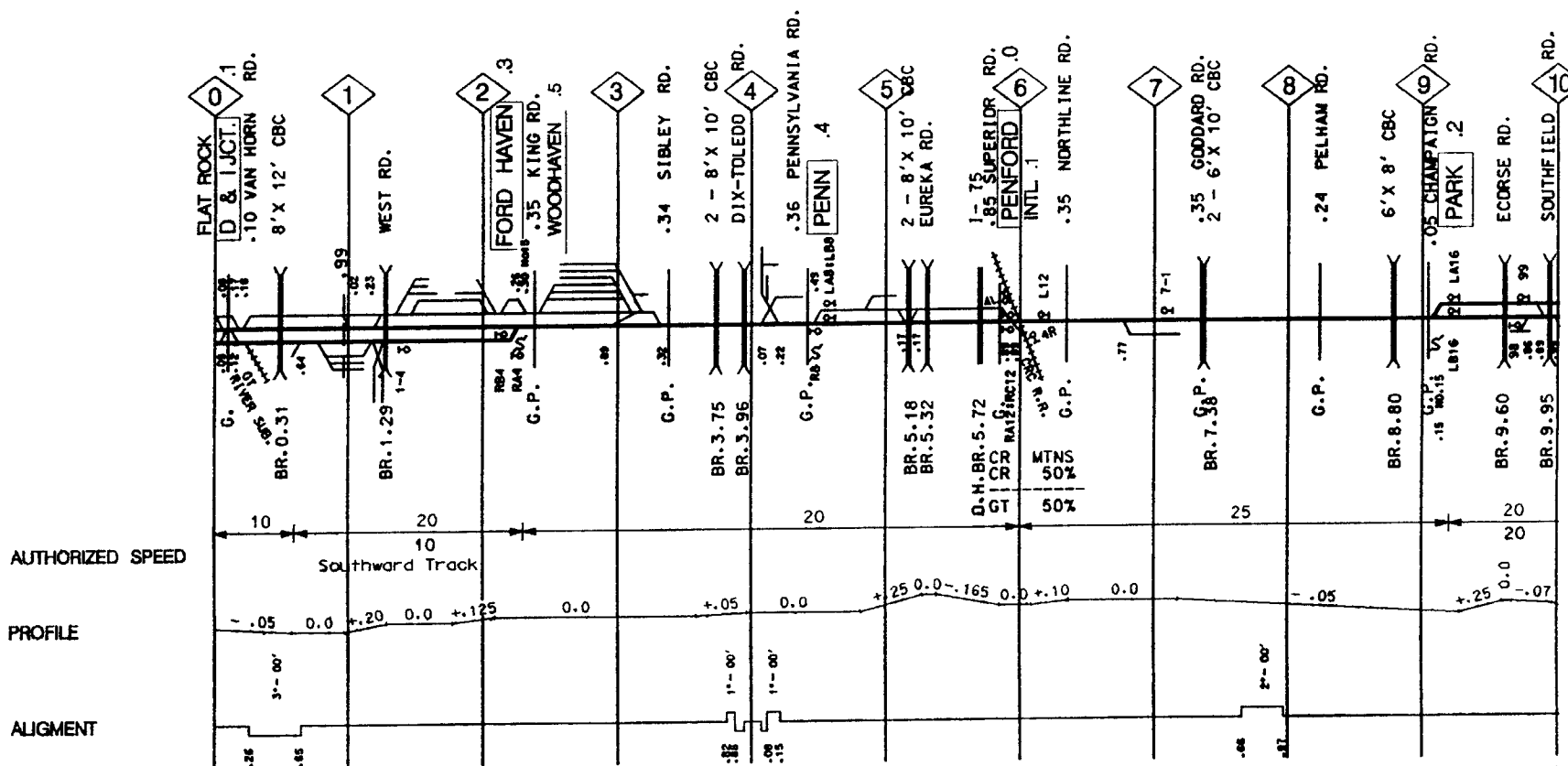
112R37-159PW
1977
1977

NORTHBOUND  
MAIN

RAIL	115R45-162PW	112R37-43 L60PW	112R37-43 L60PW	115-L60	115-L61	115-L61	115R57-L62
TIES	1955		1978				1977
SURFACING			1989				
UNDERCUT/BAL CLEAN							
GRINDING							
BOLTMASTER	1986						

ROADMASTER G.J.S.

WAYNE CO.

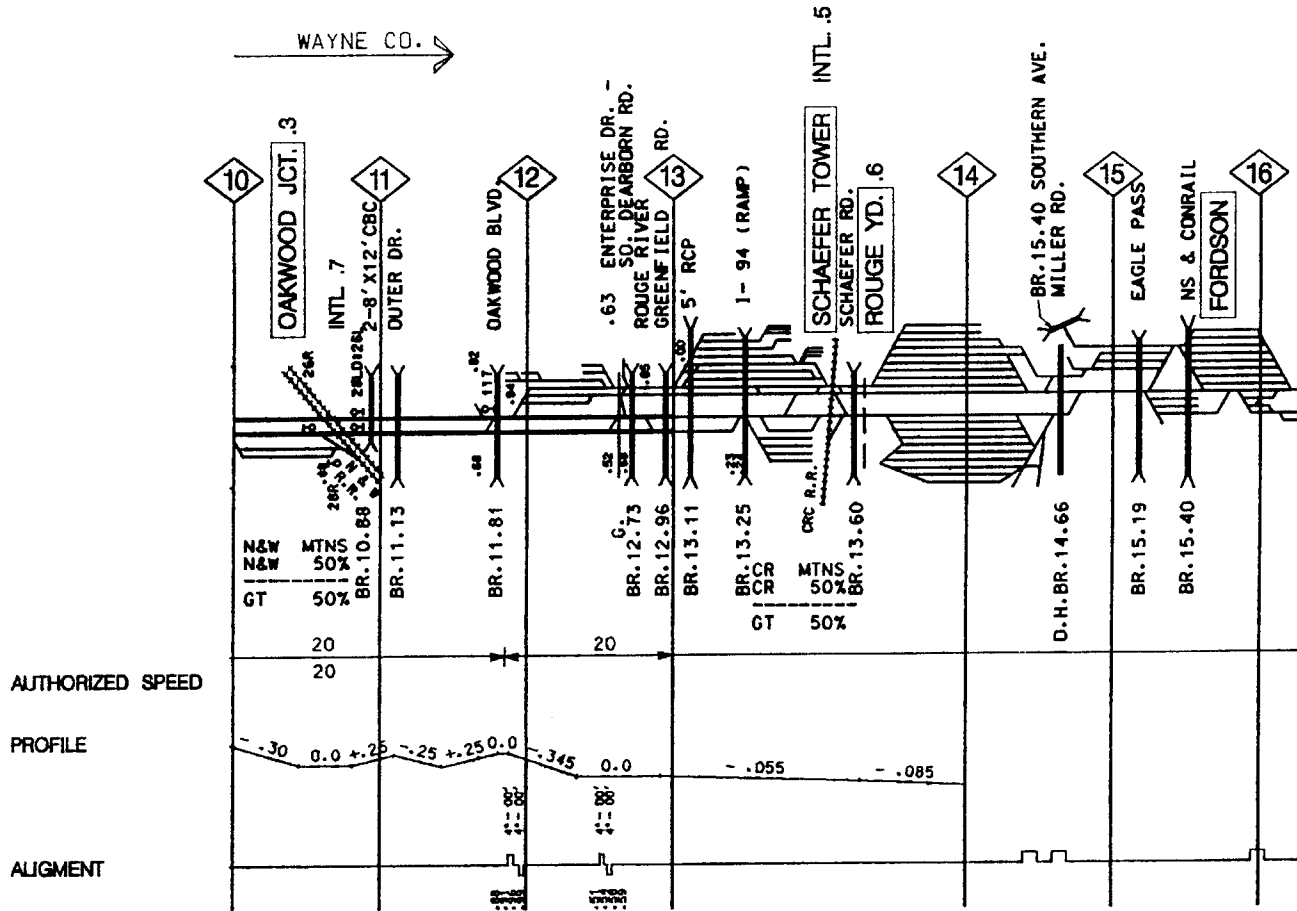


**SOUTHBOUND MAIN**

RAIL	112R37-L59	112-L59PW	112R37-L59PW
TIES		1977	1971
SURFACING		1977	
UNDERCUT/BAL.CLEAN			
GRINDING			
BOLTMASTER			

**NORTHBOUND MAIN**

RAIL	115R57-L62	115-L62	112R37-L59
TIES		1977	1971
SURFACING		1989	1985
UNDERCUT/BAL.CLEAN			
GRINDING			
BOLTMASTER			

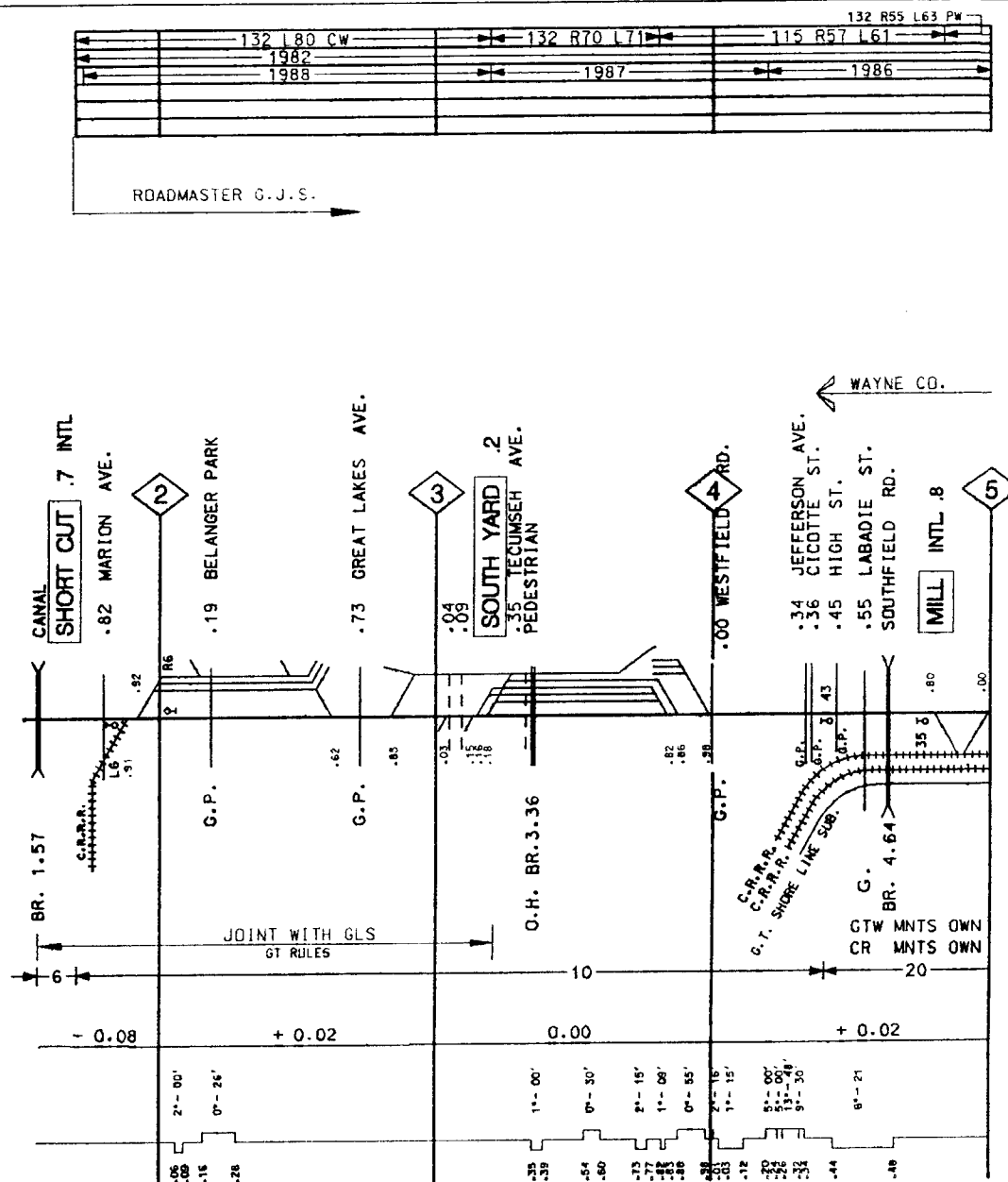


RAIL
TIES
SURFACING
UNDERCUT/BAL CLEAN
GRINDING
SHOULDER BAL CLEAN

AUTHORIZED SPEEDS

PROFILE

ALIGNMENT

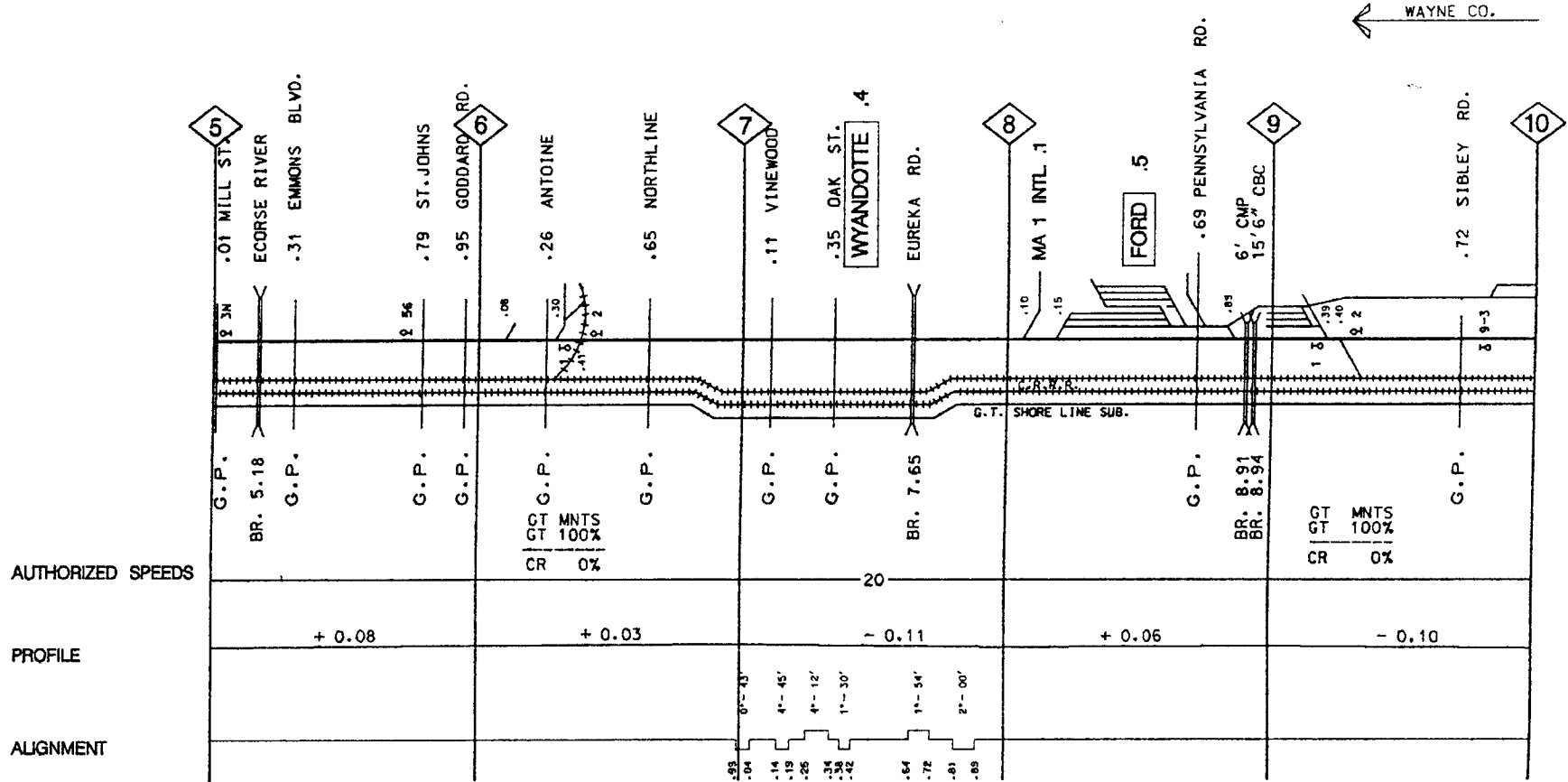


M.P. 1.7.00 - M.P. 5.00

REV. 01/01/92

RIVER SUB.

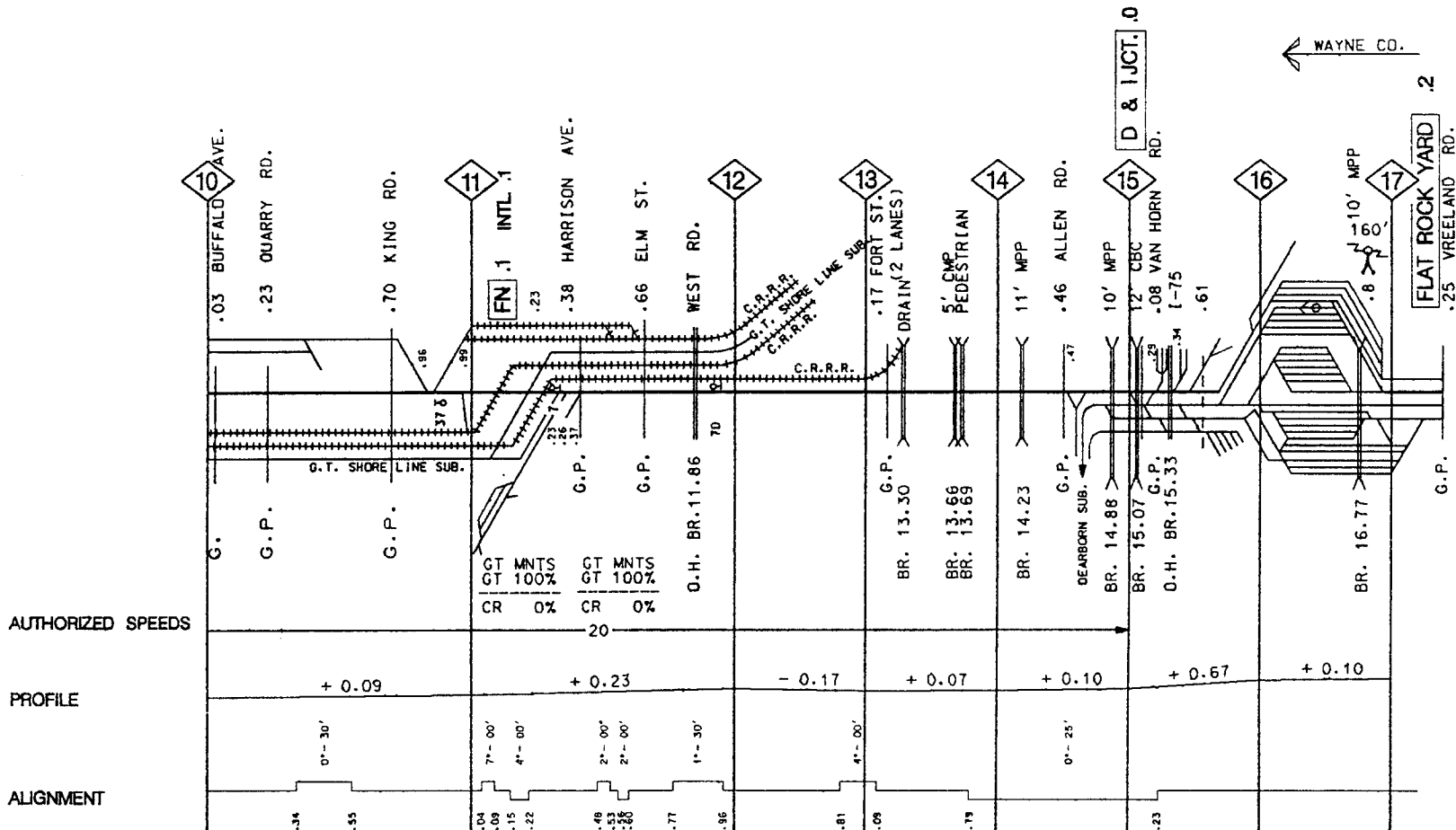
RAIL			132 R55 L63 PW			115 L69		115 R57 L62
TIES			1982			1981		
SURFACING	1989	1986	1989	1986	1989	1988	1989	
UNDERCUT/BAL CLEAN								
GRINDING								
SHOULDER BAL CLEAN								





RAIL	115 R57 L62	115 PW L90 CW	112 PW L84 CW	115 L90 PWCW	112 R37 L59 PW	90 L22
TIES	1981			1990	1975	1958
SURFACING	1989	1988		1990	88 77	1961
UNDERCUT/BAL.CLEAN.						
GRINDING				1990		
SHOULDER BAL.CLEAN.				1986		

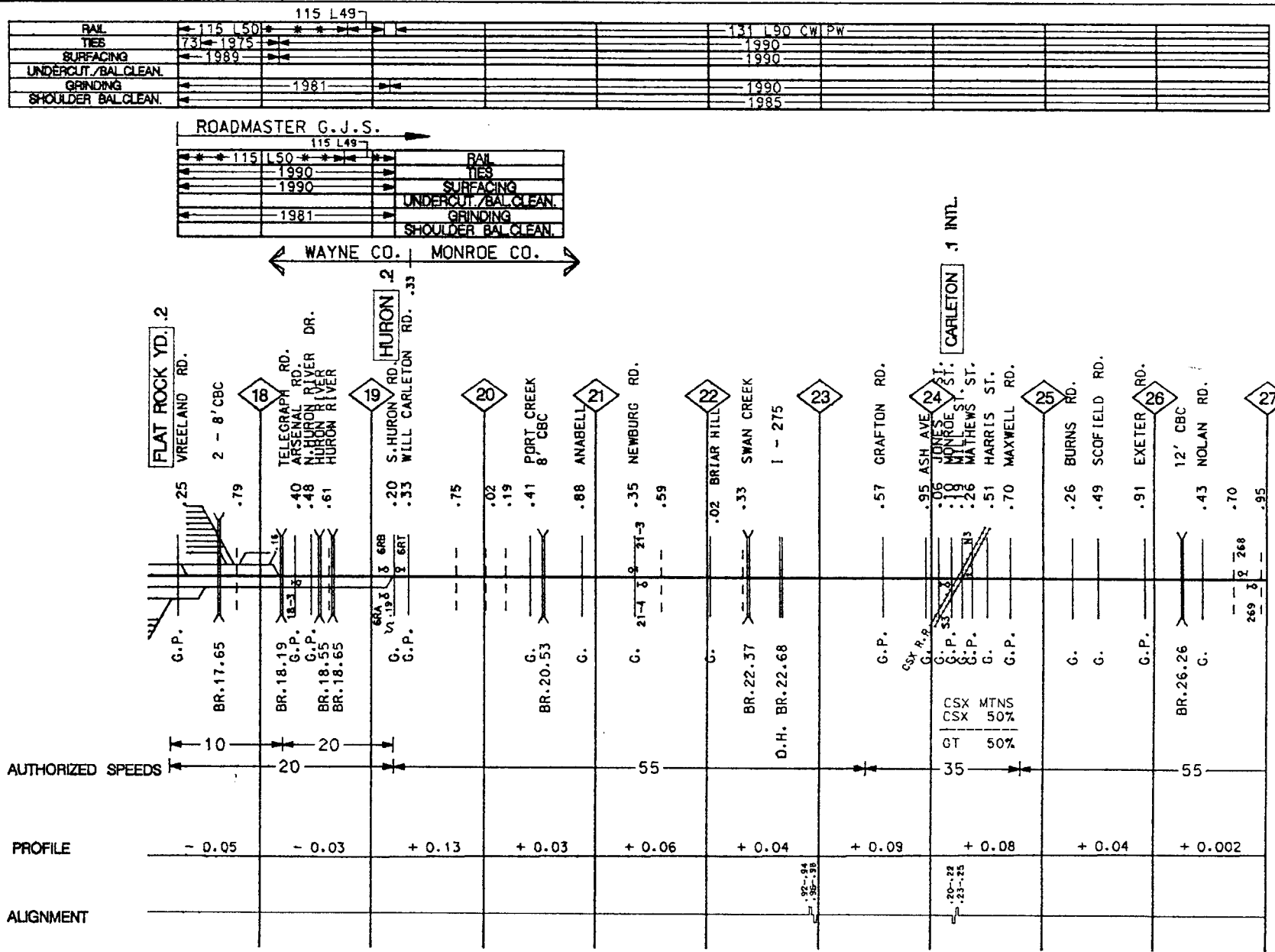
ROADMASTER G.J.S.



AUTHORIZED SPEEDS

PROFILE

ALIGNMENT



RAIL	115 L50	115 L49	131 L90 CW PW
TIES	731 1975		1990
SURFACING	1989		1990
UNDERCUT/BAL. CLEAN.			
GRINDING	1981		1990
SHOULDER BAL. CLEAN.			1985

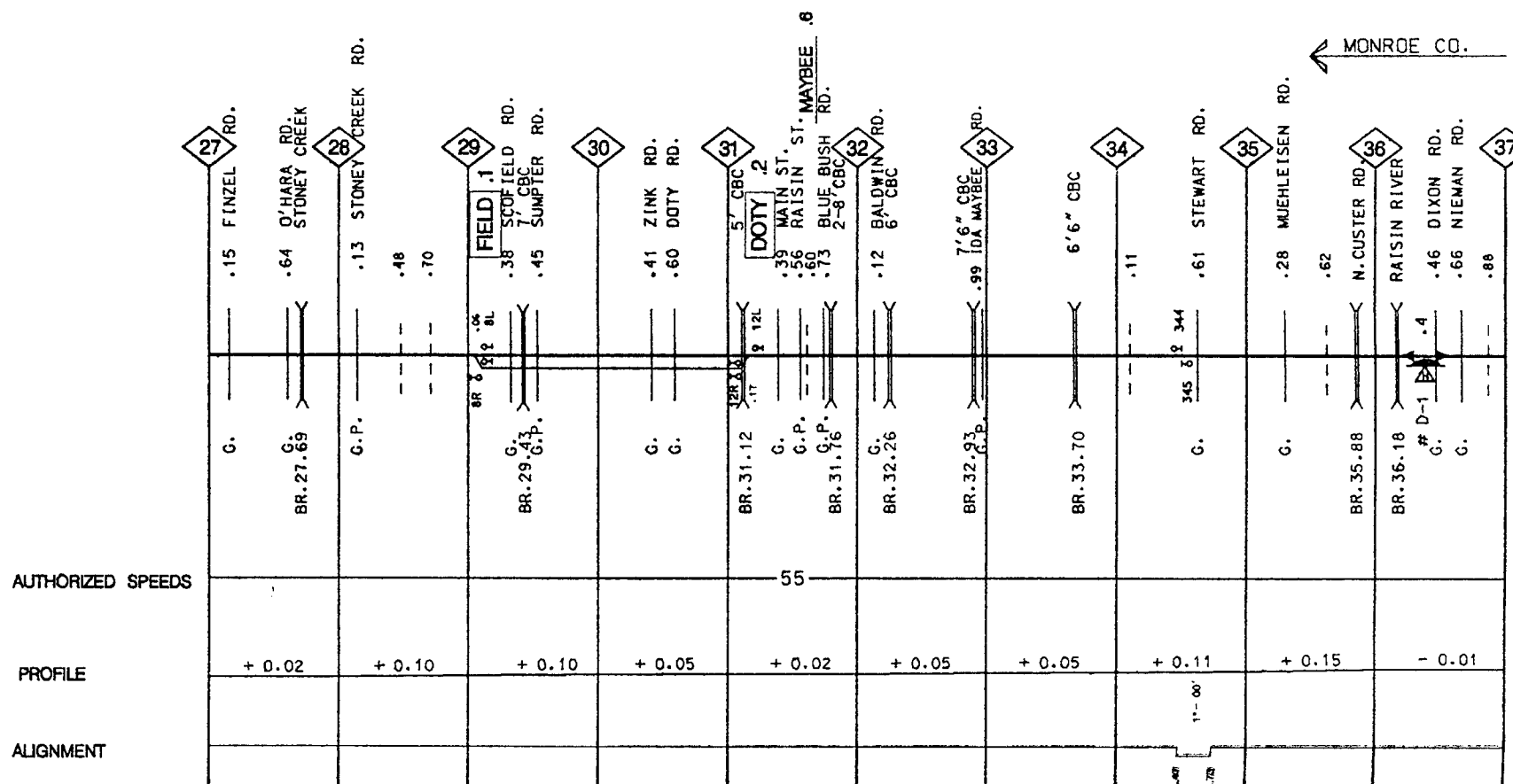
ROADMASTER G.J.S.

115 L50	RAIL
1990	TIES
1990	SURFACING
1981	UNDERCUT/BAL. CLEAN.
	GRINDING
	SHOULDER BAL. CLEAN.

WAYNE CO. MONROE CO.

RAIL	131 L90 CW PW			132 L90 CW PW					
TIES					1990				
SURFACING					1990				
UNDERCUT/BAL CLEAN									
GRINDING					1990				
SHOULDER BAL CLEAN					1985				

100 L81 PW CW		RAIL
1990		TIES
1990		SURFACING
1990		UNDERCUT/BAL CLEAN
		GRINDING
		SHOULDER BAL CLEAN



RAIL	132 L90 CW PW	115 L90 CW PW	115 R76 L77 CW
TIES	1990	1986	1975
SURFACING		1990	1989
UNDERCUT / BAL. CLEAN.			
GRINDING		1990	1981
SHOULDER BAL. CLEAN.	1985		

WEST  
WARD  
MAIN

100 PW	90 R24-26	90 R24-26
1990	1981	1981
1990		

ROADMASTER G.J.S. ROADMASTER G.L.M.

100 L83 PWCW	RAIL
1981	TIES
1981	SURFACING
	UNDERCUT / BAL. CLEAN.
	GRINDING
	SHOULDER BAL. CLEAN.

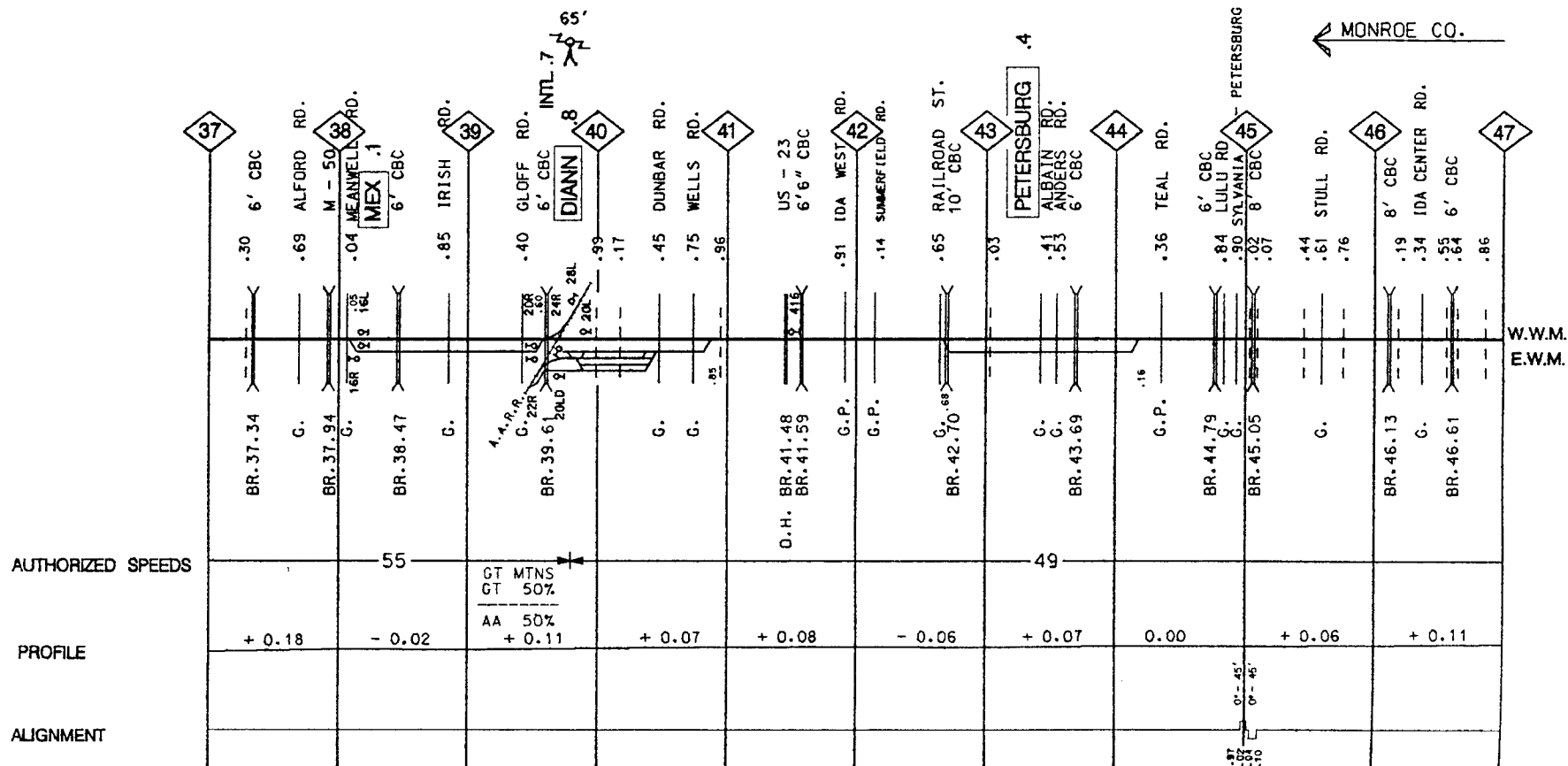
EAST  
WARD  
MAIN

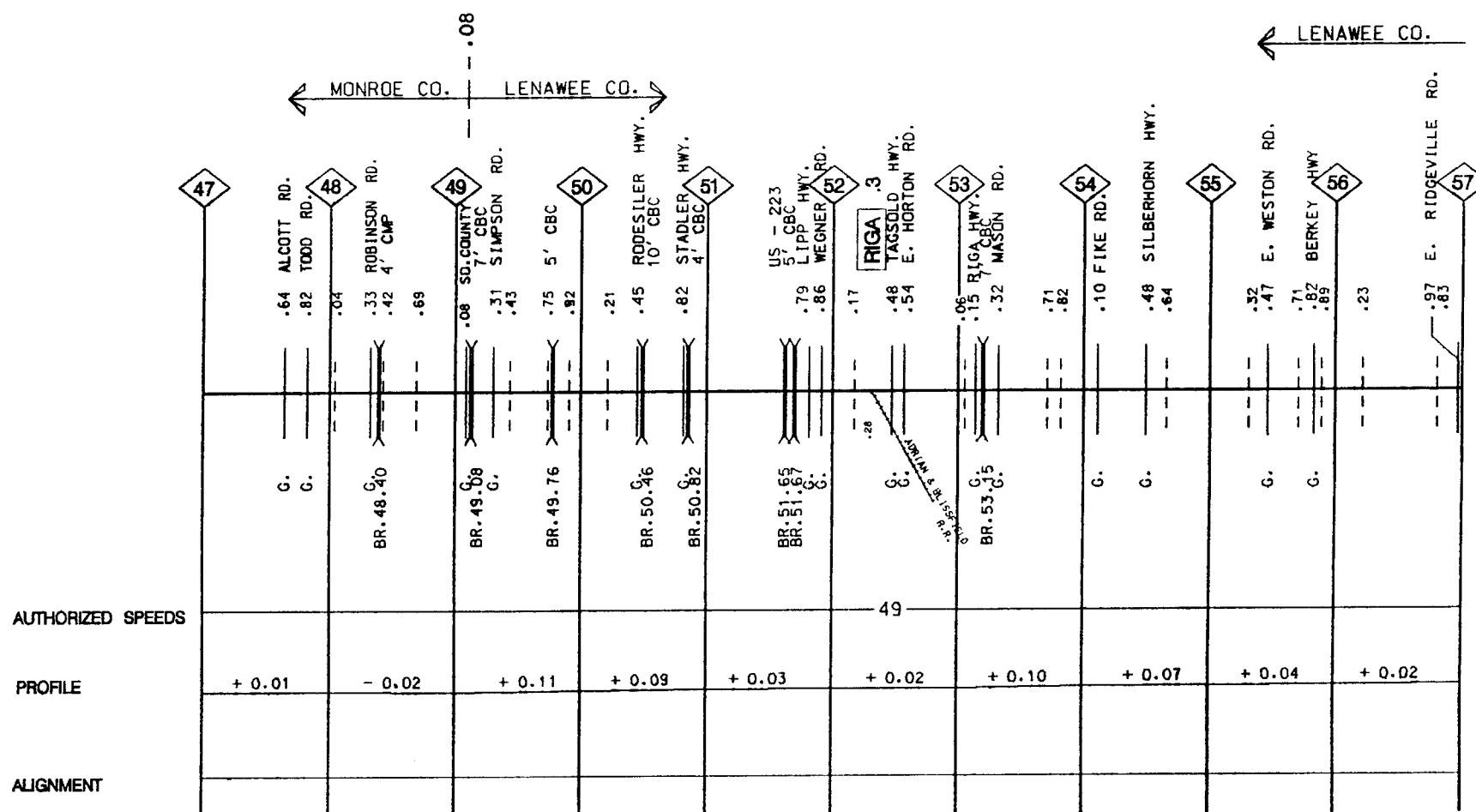
M.P. 37.00 - M.P. 47.00

REV. 01/01/92

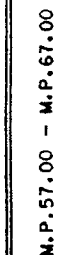
FLAT ROCK SUBDIVISION

p. 80



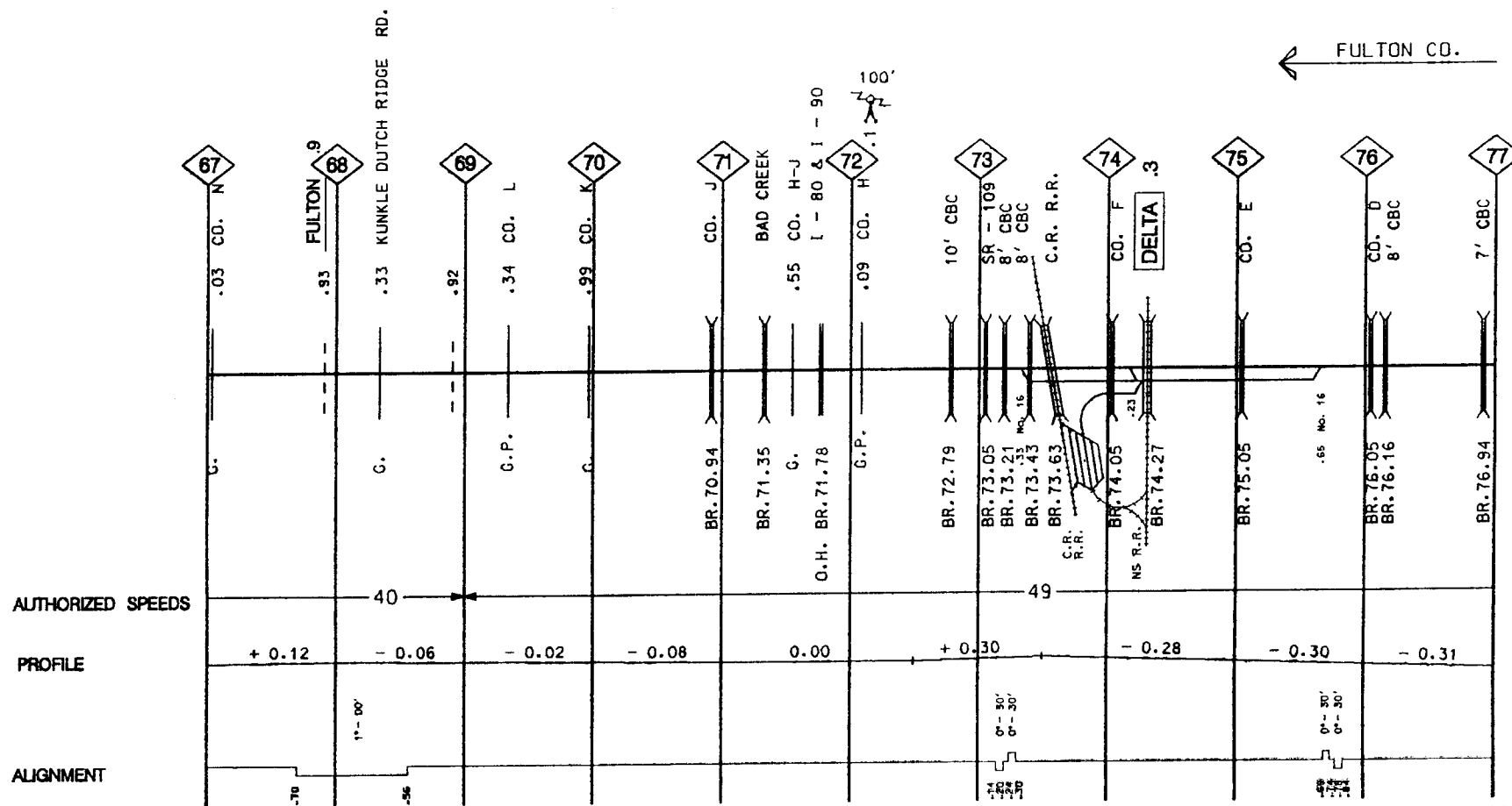
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130-112 PW	L80 CW	RAIL
1980		TIES
1988	1982	1988
		SURFACING
		UNDERCUT/BAL CLEAN
		GRINDING
		SHOULDER BAL CLEAN



RAIL	115 L85 CY	115 L54	115 R81 L81 CW
TIES	1988	1980	1988
SURFACING		1989	
UNDERCUT/BAL CLEAN		1981	
GRINDING			
SHOULDER BAL CLEAN			

115 R54	132 L56 PW	RAIL
1986	1988	TIES
		SURFACING
		UNDERCUT/BAL CLEAN
		GRINDING
		SHOULDER BAL CLEAN



Engineering plan view of a proposed road alignment from station 77 to 87. The plan shows the road centerline, right-of-way (R.O.W.) lines, and various features like bridges, creek crossings, and utility lines. Key features include:

- Station 77:** BR. 77.05, CO. C, 12' CBC.
- Station 78:** BR. 78.03, CO. B, 12' CBC.
- Station 79:** BR. 78.87, G.P., .04 CO. LINE RD., 12' CBC.
- Station 80:** BR. 79.51, G.P., 6' CBC, .04 CO. V.
- Station 81:** G.P., .05 CO. U.
- Station 82:** BR. 82.06, CO., 817 ft.
- Station 83:** BR. 82.88, G.P., N. TURKEYFOOT CREEK, .07 CO. S.
- Station 84:** BR. 83.28, G.P., N. TURKEYFOOT CREEK, BR. 83.69, BR. 83.99, US - 24, SR-109, MAUMEE RIVER, MAUMEE .5, SR - 110, BR. 84.24, BR. 84.56, BR. 84.87, 8' CBC.
- Station 85:** G.P., .54 TWP. P-3.
- Station 86:** G.P., .04 CO. P, 6'6" CBC, BR. 86.29.
- Station 87:** G., .70 TWP. 03.

The plan also shows a Liberty Center Intl. 6, a 50% grade transition (GT 50%), and a 50% IHRC MTNS crossing. A north arrow is present at the top right.

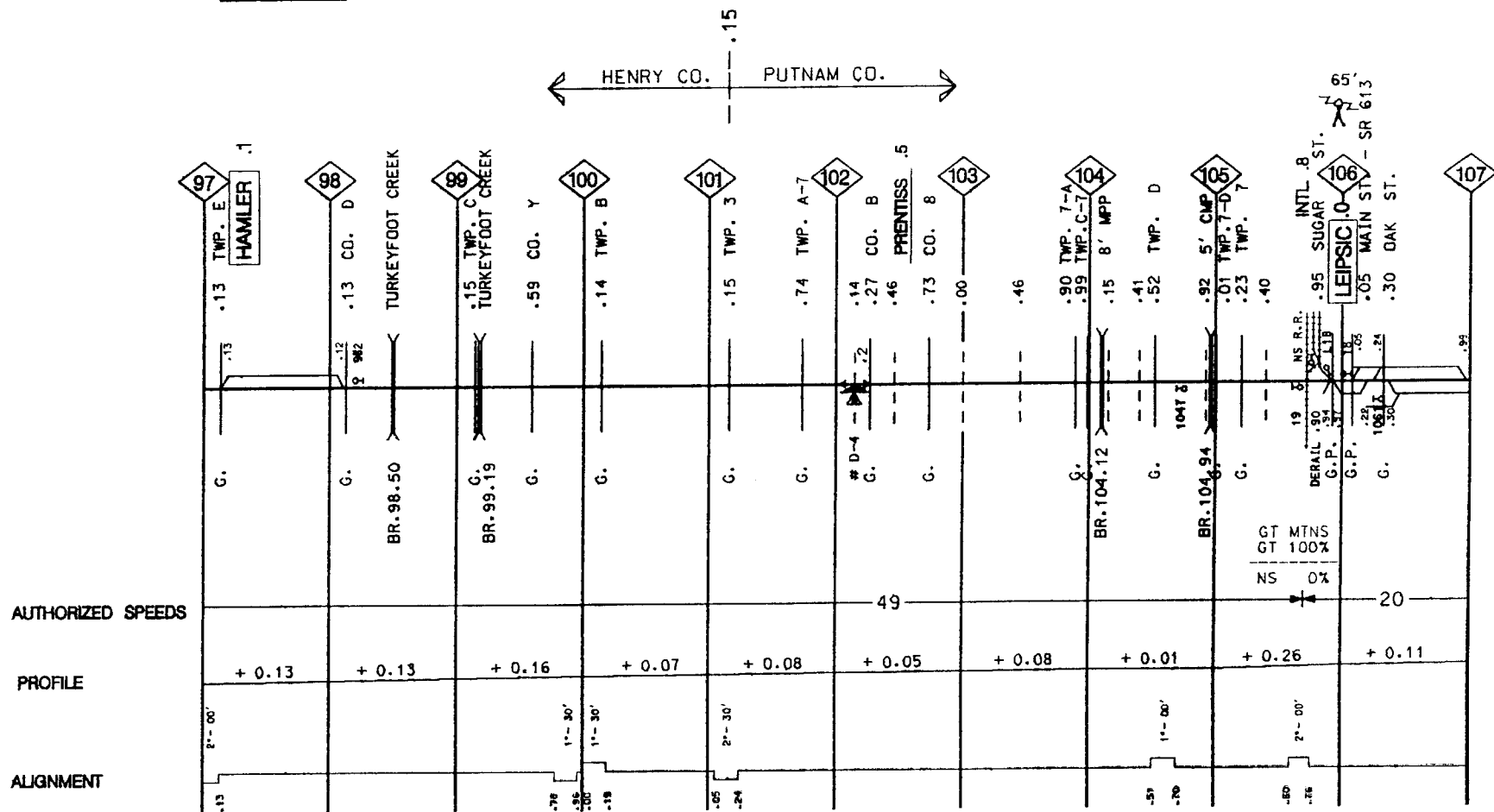




RAIL	1112 L84 CW	115 R54 L55	115 L57
TIES	1989	1988	1981
SURFACING	1989	1988	1989
UNDERCUT/BAL CLEAN			1981
GRINDING			1981
SHOULDER BAL CLEAN			

90 R24-26	1980	1988
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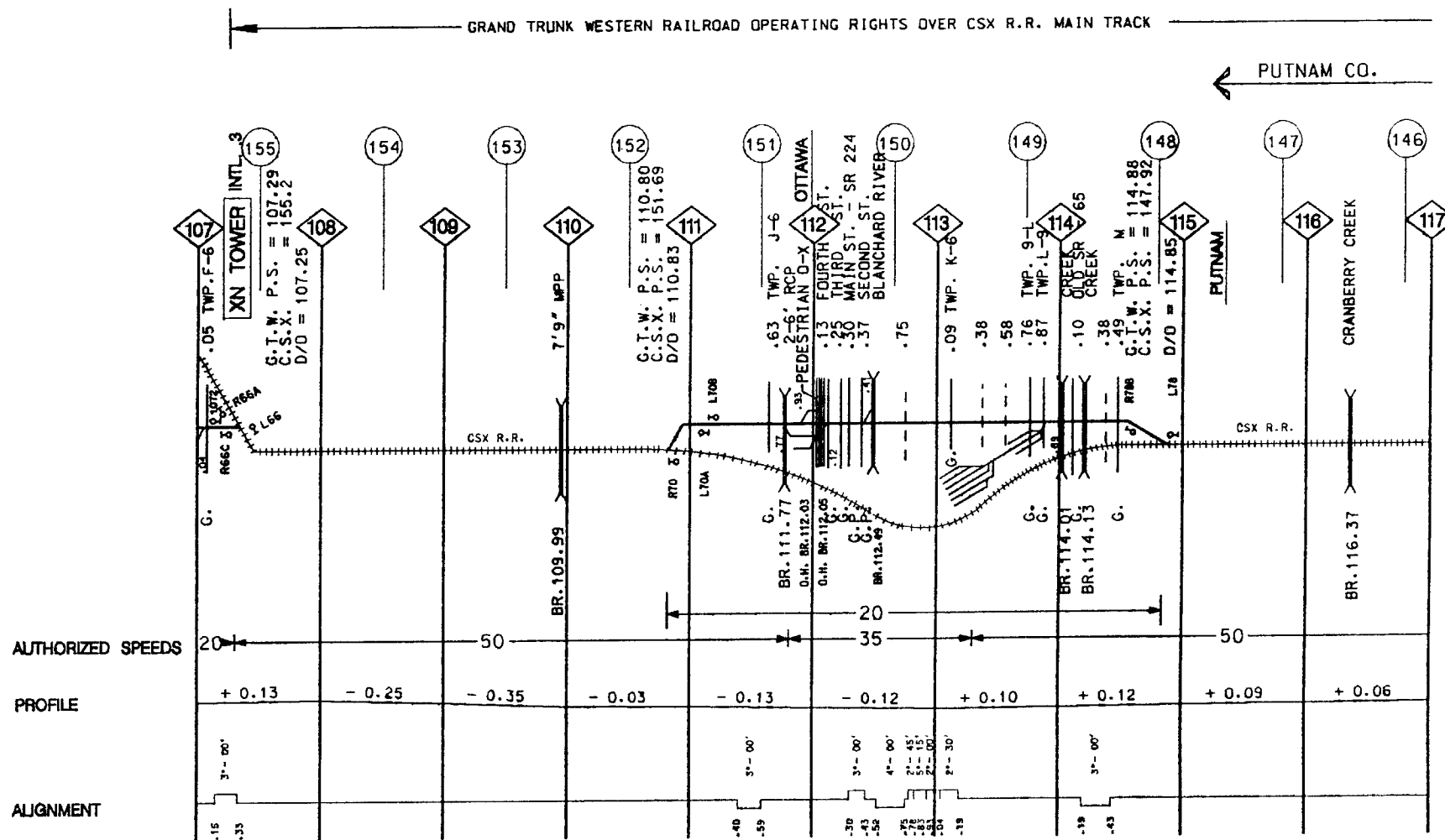
RAIL	90 R24-26	1980	1988
TIES	1981	1981	1981
SURFACING	1981	1981	1981
UNDERCUT/BAL CLEAN			
GRINDING			
SHOULDER BAL CLEAN			



RAIL	Y
TIES	
SURFACING	
UNDERCUT/BAL. CLEAN	
GRINDING	198
SHOULDER BAL. CLEAN	

F112 L82 PW CW

115 R56-57 L57	112 L42	112 L45
1957	1960	1961
	1989	



AUTHORIZED SPEEDS

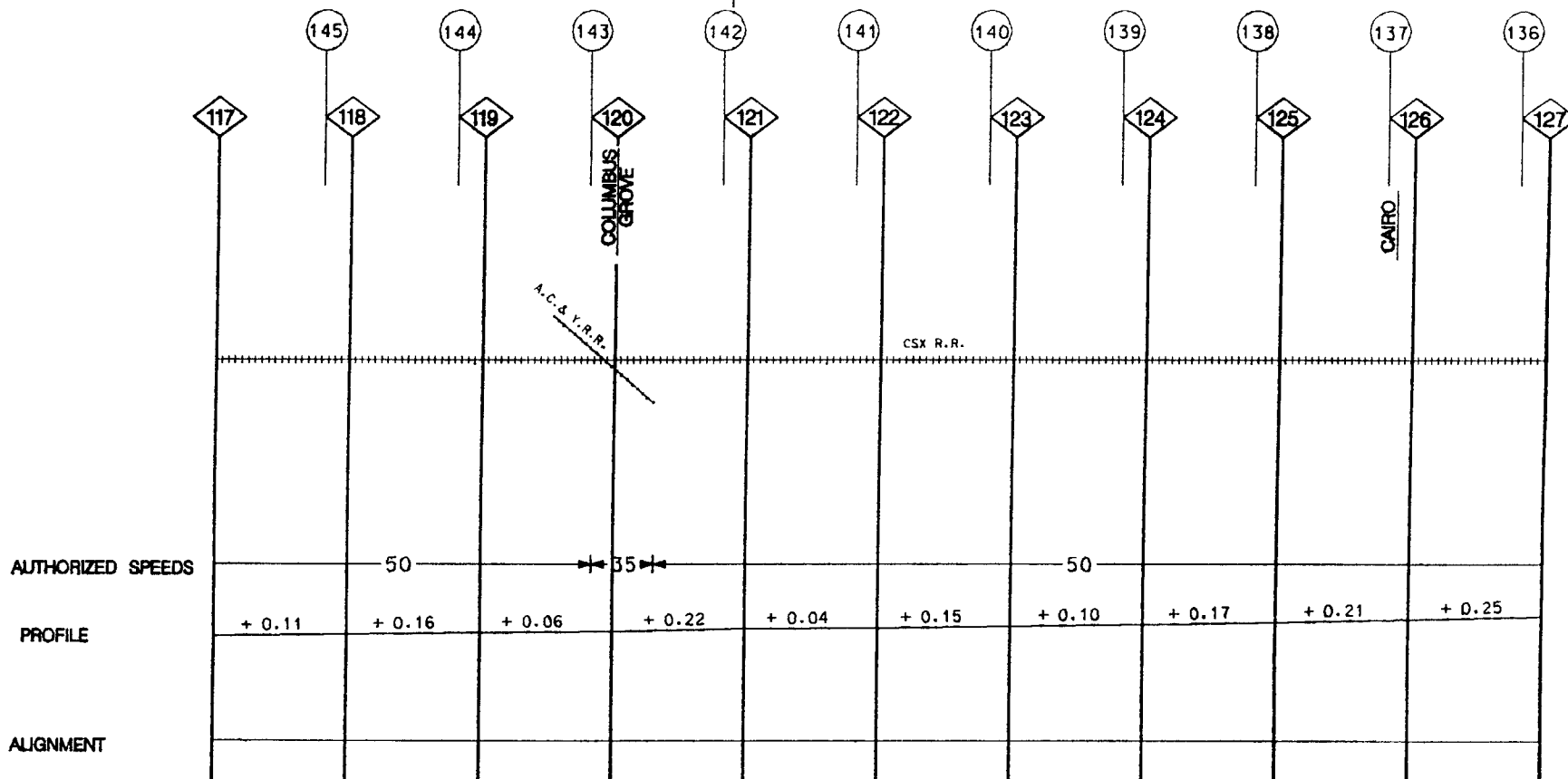
PROFILE

ALIGNMENT

RAIL
TIES
SURFACING
UNDERCUT/BAL CLEAN
GRINDING
SHOULDER BAL CLEAN

GRAND TRUNK WESTERN RAILROAD OPERATING RIGHTS OVER CSX R.R. MAIN TRACK

← PUTNAM CO.      ALLEN CO. →  
 .93

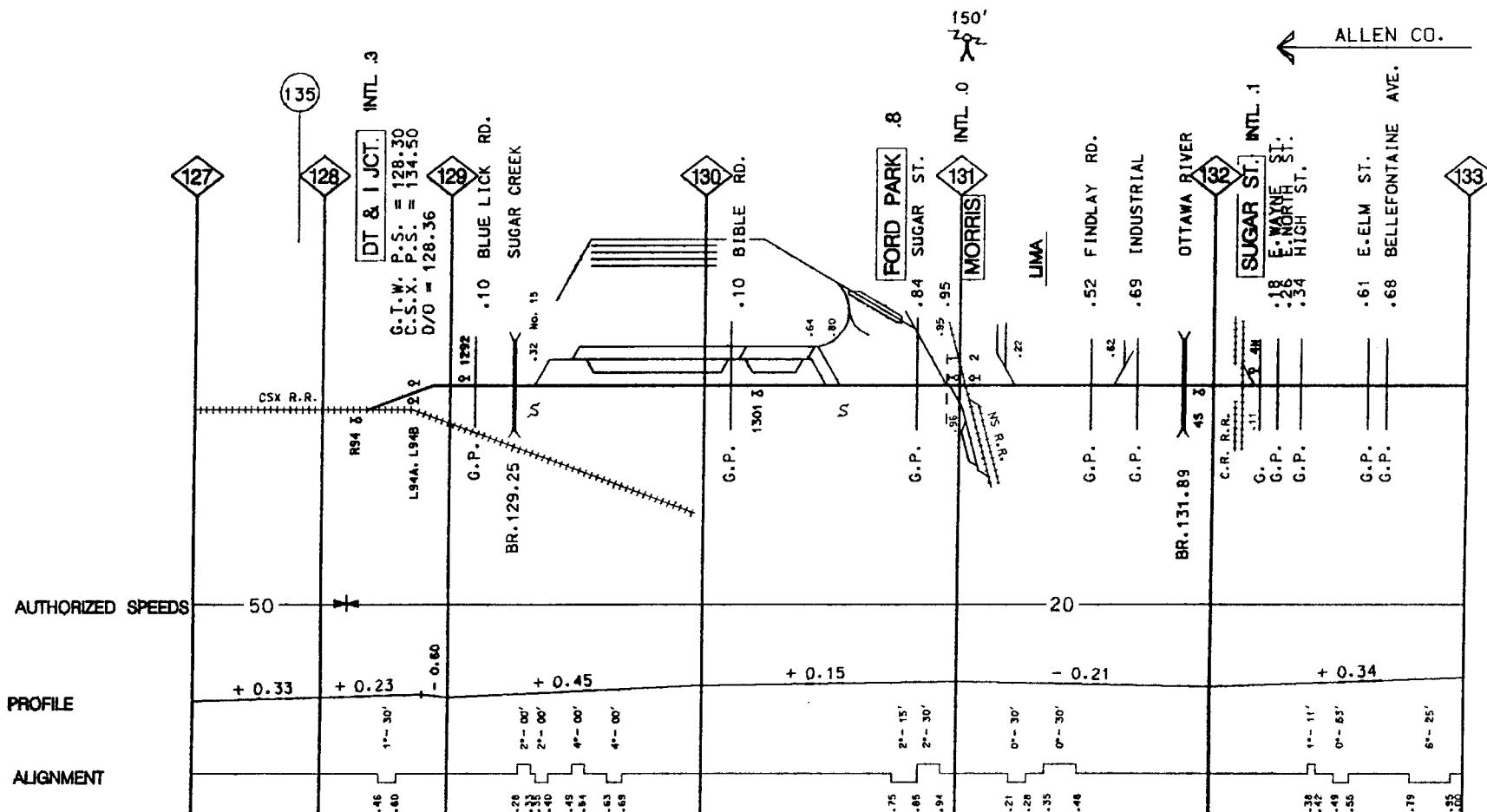


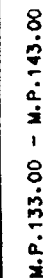
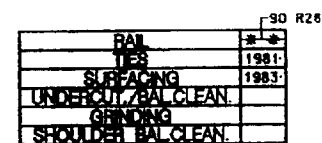
RAIL
TIES
SURFACING
UNDERCUT/BAL CLEAN
GRINDING
SHOULDER BAL CLEAN

← 112 L48 →	← 115 L56 PW →	← 112 L48 →	← 115 R53 L59 →
		1981	
		1988	
		1981	

GRAND TRUNK WESTERN RAILROAD  
OPERATING RIGHTS OVER  
CSX R.R. MAIN TRACK

← 115 PW →	← 90 R25 →	RAIL
1981		TIES
1981		SURFACING
		UNDERCUT/BAL CLEAN
		GRINDING
		SHOULDER BAL CLEAN

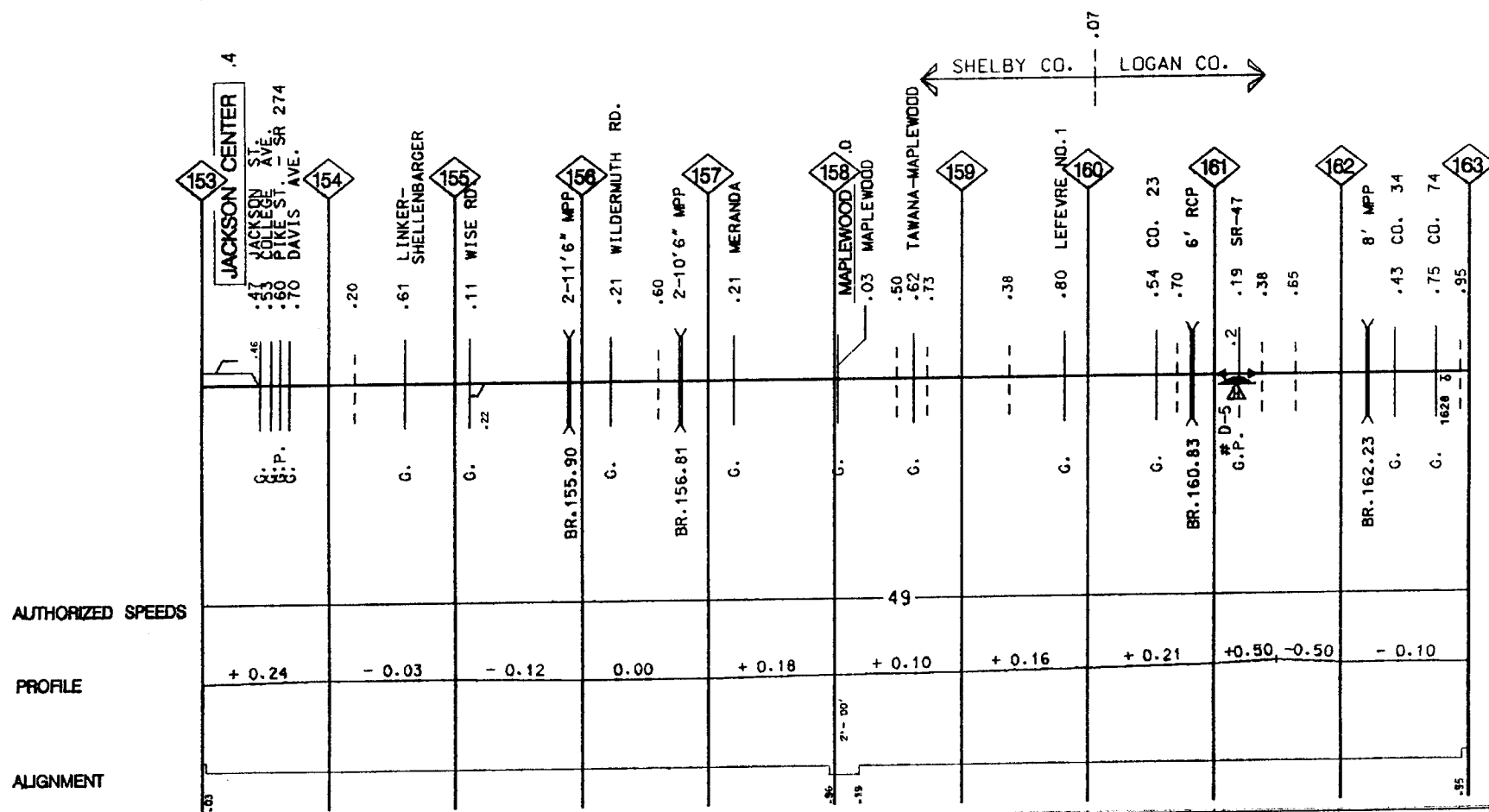






RAIL	112 L43	115 L81 PW CW	115 L88 PW CW	115 L82 CW	115 R51	152-53 L8D PW CW	112L40
TIES		1115 L89 PW CW	1980		1989	1979	
SURFACING							
UNDERCUT/BAL CLEAN							
GRINDING					1981		
SHOULDER BAL CLEAN							

BO R25	RAIL
1982	TIES
1986	SURFACING
	UNDERCUT/BAL CLEAN
	GRINDING
	SHOULDER BAL CLEAN

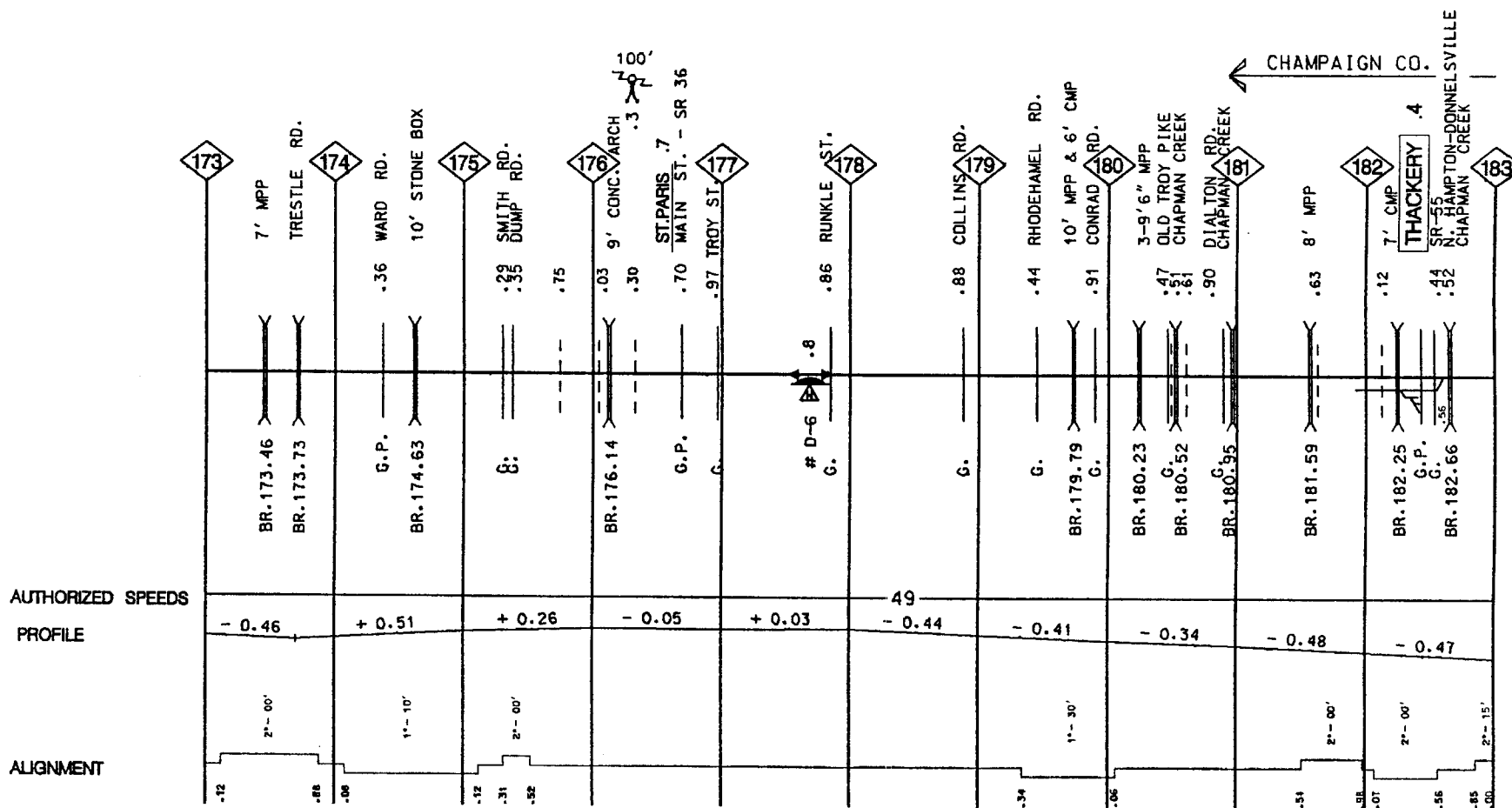


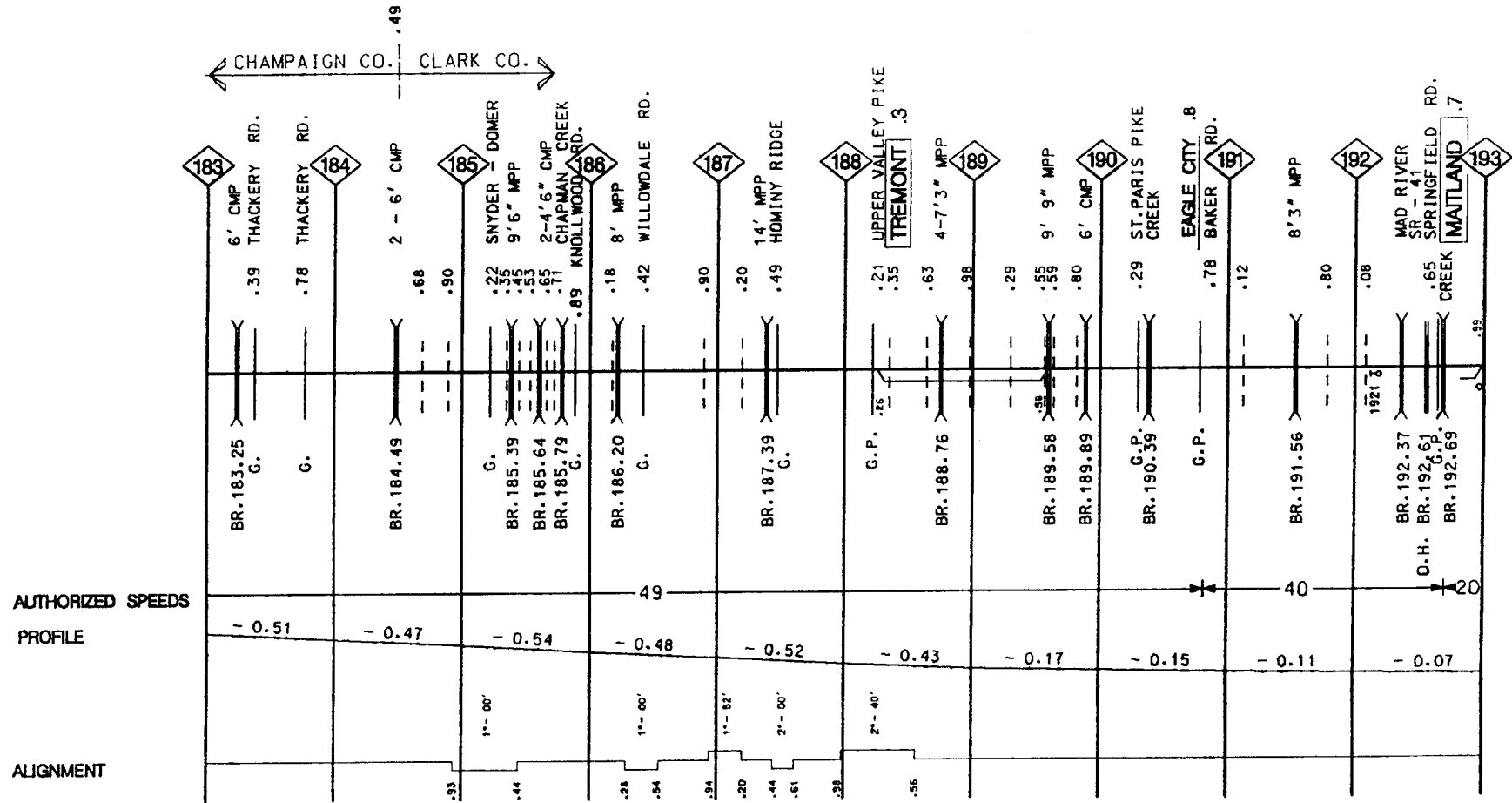




RAIL TIES	* * * *	* 115 L54 *	* * * *	* 115 L81 PW CW	* * * *	* * * *	* 112 L37 *	* * * *	* * * *
SURFACING									
UNDERCUT / BAL. CLEAN.									
GRINDING		1981					1981		
SHOULDER BAL. CLEAN.									

RAIL TIES	90 R25
SURFACING	1979
UNDERCUT / BAL. CLEAN.	1979
GRINDING	
SHOULDER BAL. CLEAN.	



[illegible]



RAIL	100 L82 PW CW	L82 PW CW	112 L57*
TIES		1982	
SURFACING	1983		1982
UNDERCUT./BAL.CLEAN.			
GRINDING			
SHOULDER BAL.CLEAN.			

ROADMASTER G.L.M.

CLARK CO.

RAIL	112R47
TIES	1979
SURFACING	1979
UNDERCUT./BAL.CLEAN.	
GRINDING	
SHOULDER BAL.CLEAN.	

