



MAINTENANCE PROGRAM

AND

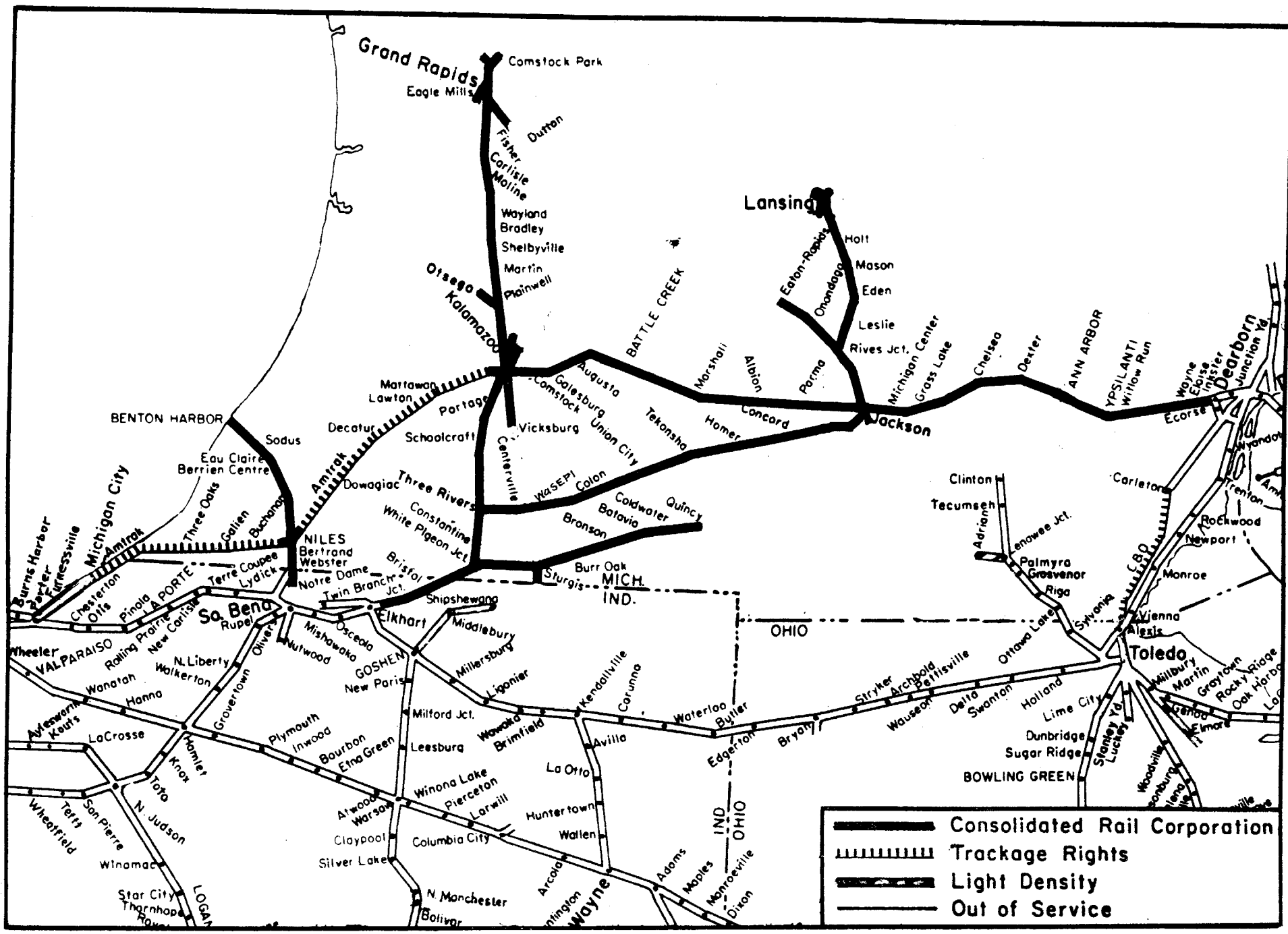
TRACK CHART

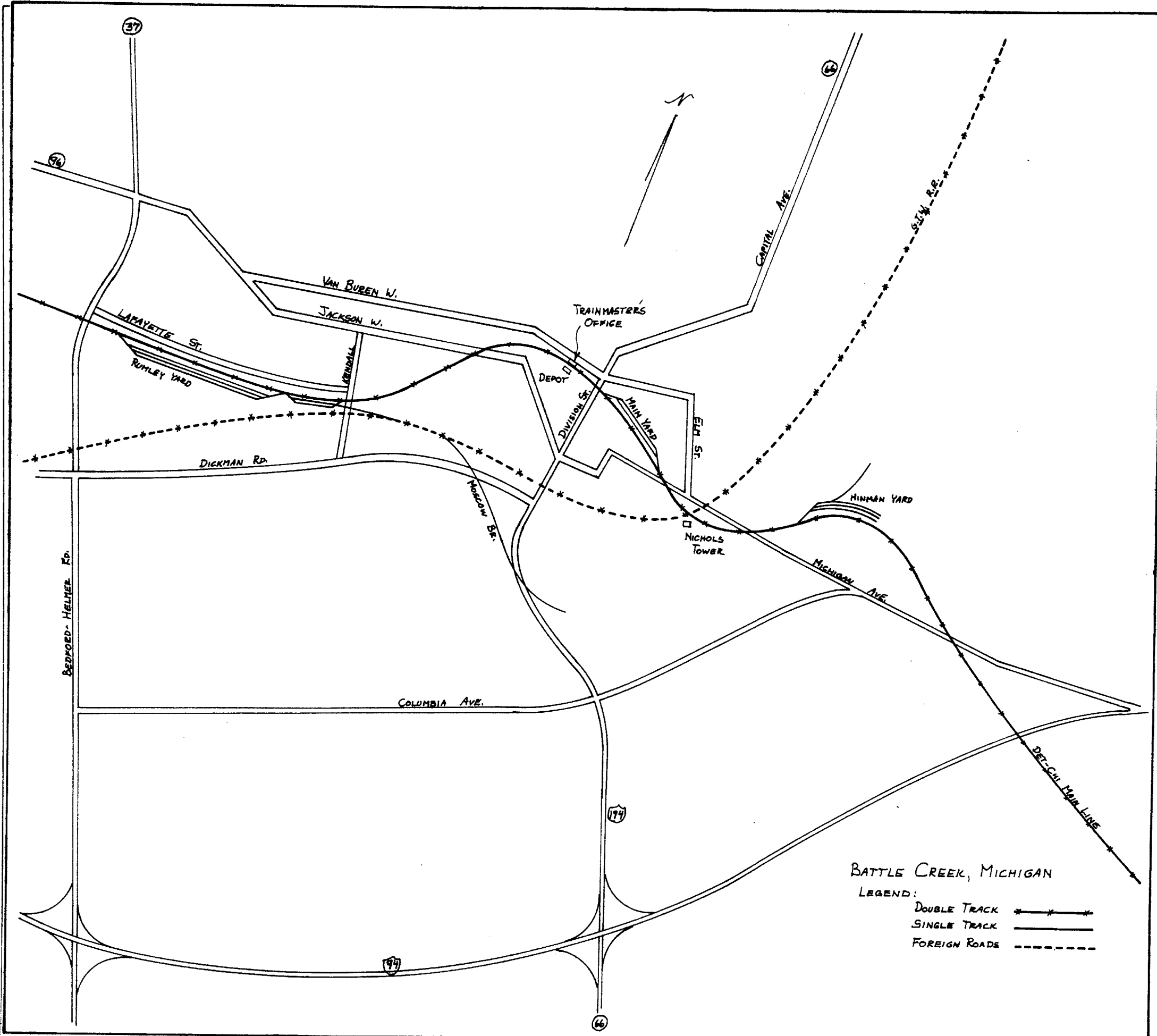
WESTERN REGION
MICHIGAN DIVISION

1984



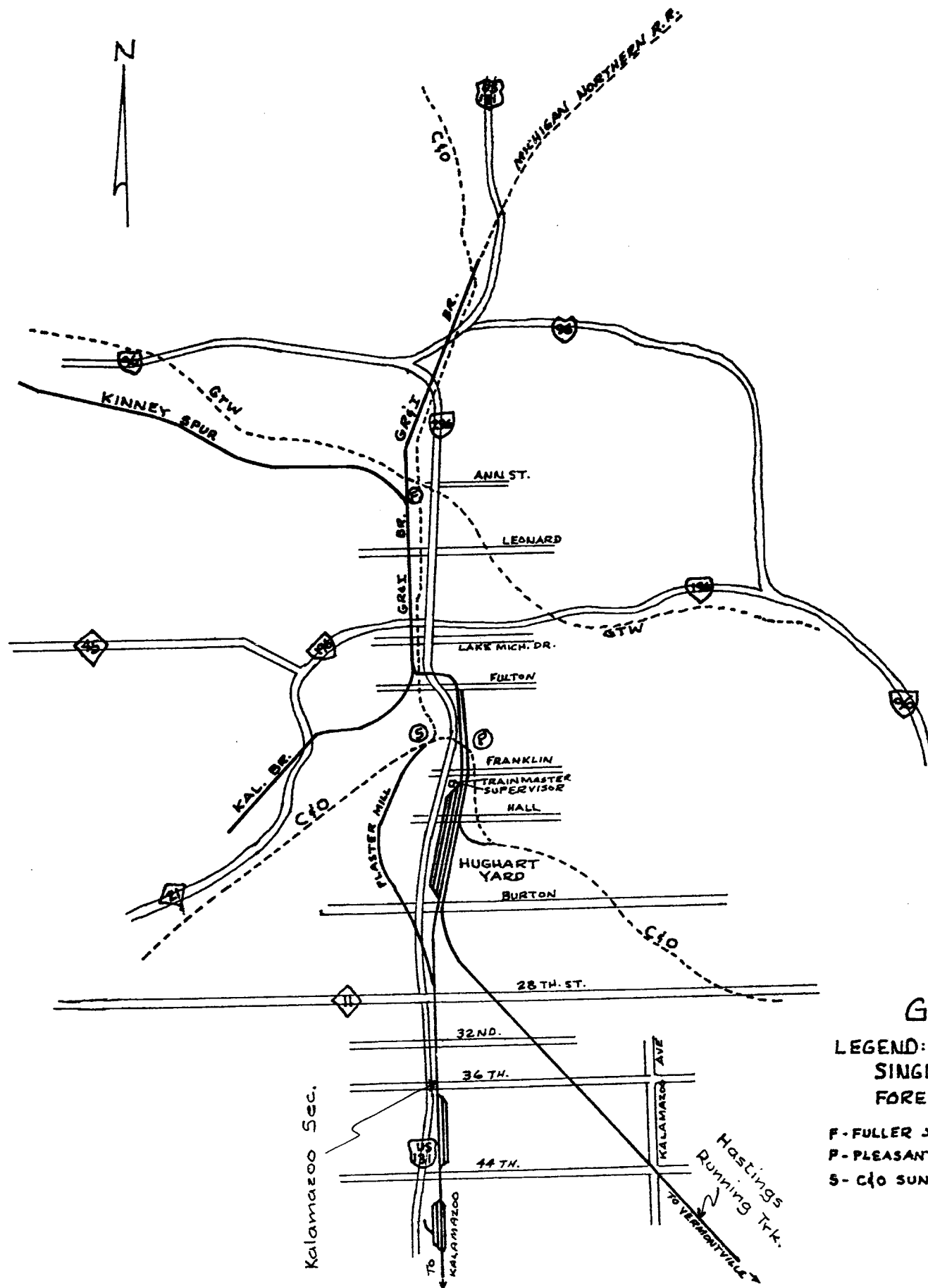
LINE NAME		BETWEEN	M.P. TO M.P.	CODE	STATE	PAGE
M.L. (SUSP. BR. & CHI.)		TOWN LINE & KALAMAZOO	7.6-145.0	39-5304	MI	1- 15
M.L. (SUSP. BR. & CHI.)	AMTK	KALAMAZOO & STATE LINE	145.0-222.9	39-5304	MI	16- 24
M.L. (SUSP. BR. & CHI.)	AMTK	STATE LINE & PORTER	222.9-240.7	39-5304	IN	24- 26
BENTON SEC.		BENTON HARBOR & NILES	0.0- 27.0	39-5347	MI	64- 66
B O SECONDARY		KALAMAZOO	0.0- 0.5	39-5341	MI	57- 57
CK&S BR.		PARCHMENT & PAVILION	41.3- 45.9	39-5344	MI	61- 61
COMSTOCK SECONDARY		GRAND & COMSTOCK PARK	102.3-108.6	39-5338	MI	46- 46
EATON RAPIDS RUNNING TRK.		RIVES JCT & EATON RAPIDS	10.6- 24.8	39-5340	MI	55- 56
GR&I BR.		STURGIS <i>MSO</i>	146.7-150.4	39-5338	MI	52- 52
HASTINGS RUNNING TRK.		BOWEN & GRAND RAPIDS	88.1- 94.5	39-5340	MI	54- 54
HUGHART RUNNING TRK.		GRAND RAPIDS	100.6-102.3	39-5338	MI	46- 46
JACKSON IND. TK.		JACKSON	96.5- 97.4	39-5321	MI	51- 51
KALAMAZOO BR.		ELKHART & STATE LINE	1.9- 14.7	39-5321	MI	33- 34
KALAMAZOO BR.		STATE LINE & THREE RIVERS JCT.	14.7- 27.4	39-5321	MI	34- 35
KALAMAZOO BR.		THREE RIVERS JCT. & CP PARK	27.3- 33.0	39-5341	MI	37- 38
KALAMAZOO SEC.		CP PARK & KALAMAZOO	33.0- 54.0	39-5341	MI	38- 40
KALAMAZOO SEC.		KALAMAZOO & BURTON	54.0-100.6	39-5338	MI	41- 46
KALAMAZOO INDUSTRIAL		EAGLE MILLS & GRAND RAPIDS	91.6- 95.0	39-5341	MI	59- 59
KINNEY SPUR		FULLER & KINNEY	2.7- 7.5	39-5358	MI	71- 71
LANSING BR.		LANSING (S. CITY LIM-N. CITY LIM)	57.1- 61.4	39-5352	MI	68- 68
LANSING BR.		ALBION	22.0- 23.4	39-5352	MI	69- 69
LANSING MFRS. RR.		LANSING	0.0- 5.1	39-5354	MI	70- 70
MEADOWS INDUSTRIAL		LANSING	37.9- 38.8	39-5337	MI	50- 50
MENDON SEC. TRK.		THREE RIVERS & WASEPI	27.4- 36.9	39-5321	MI	35- 36
NORTHERN IND.		JACKSON & VANDERCOOK LAKE	0.0- 4.2	39-5348	MI	67- 67
PLAINWELL SEC.		PLAINWELL & OTSEGO	65.9- 70.7	39-5341	MI	58- 58
QUINCY BR.		QUINCY & WHITE PIGEON JCT. <i>MSO</i>	377.7-421.3	39-3634	MI	27- 32
SAGINAW SEC.		JACKSON & LANSING <i>406.8- 421.2</i>	0.2- 37.9	39-5337	MI	47- 50
SOUTH BEND SEC.		NILES & STATE LINE	0.5- 6.0	39-5346	MI	62- 62
SOUTH BEND SEC.		STATE LINE & SO. BEND	6.0- 10.6	39-5346	IN	62- 63
SOUTH HAVEN INDUSTRIAL		KALAMAZOO & DOUGLAS ST.	0.2- 1.8	39-5343	MI	60- 60
UPJOHN SEC.		GIBSON & AUSTIN LAKE	0.0- 6.7	39-5338	MI	53- 53





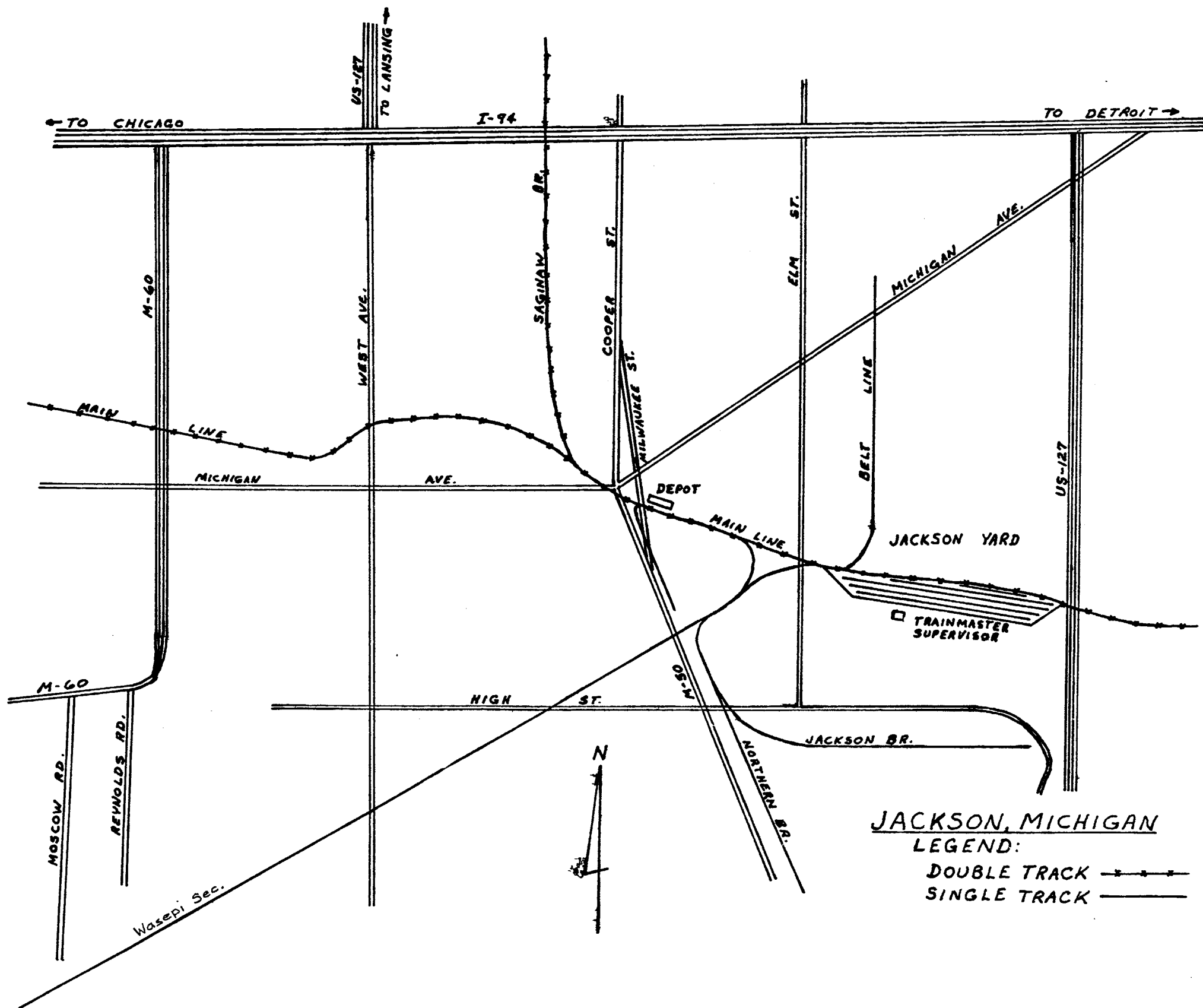
BATTLE CREEK, MICHIGAN

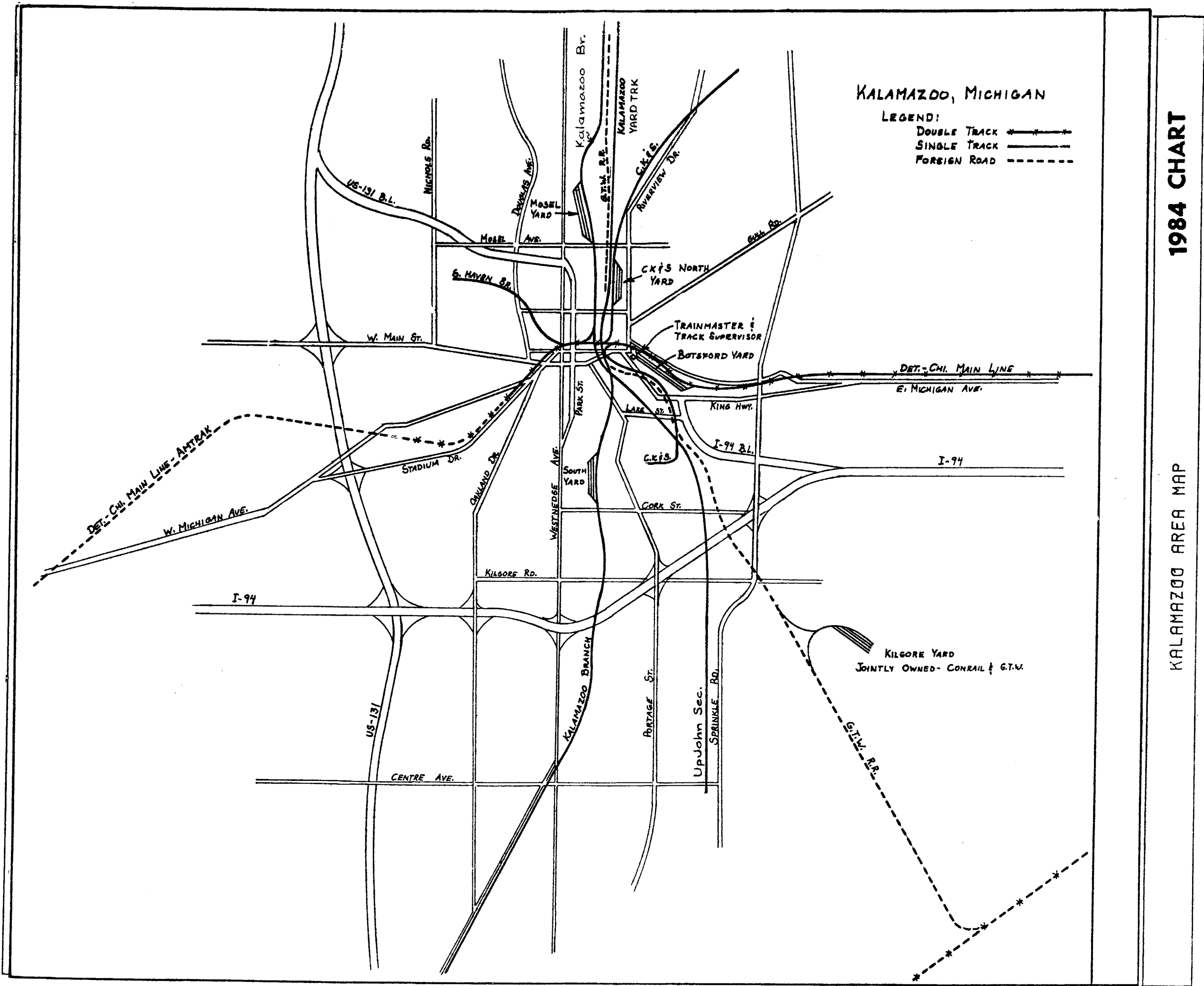
- LEGEND:
- DOUBLE TRACK —+—+—+—
 - SINGLE TRACK ———
 - FOREIGN ROADS - - - - -



GRAND RAPIDS

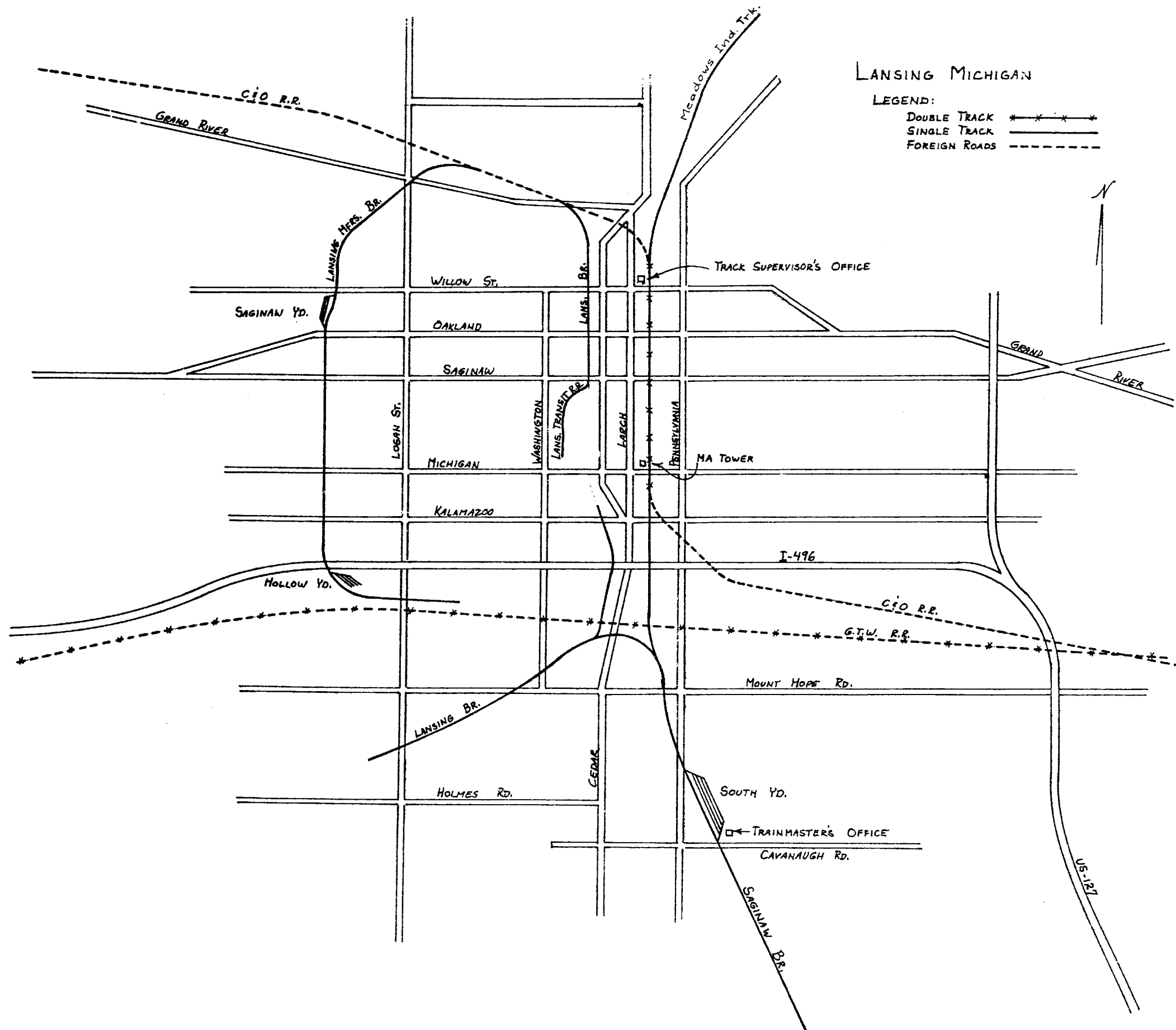
- LEGEND:
- SINGLE TRACK ———
 - FOREIGN RAILROADS - - - - -
 - F - FULLER JCT.
 - P - PLEASANT ST. INTERLOCKING
 - S - C&O SUNNYSIDE INTERLOCKING

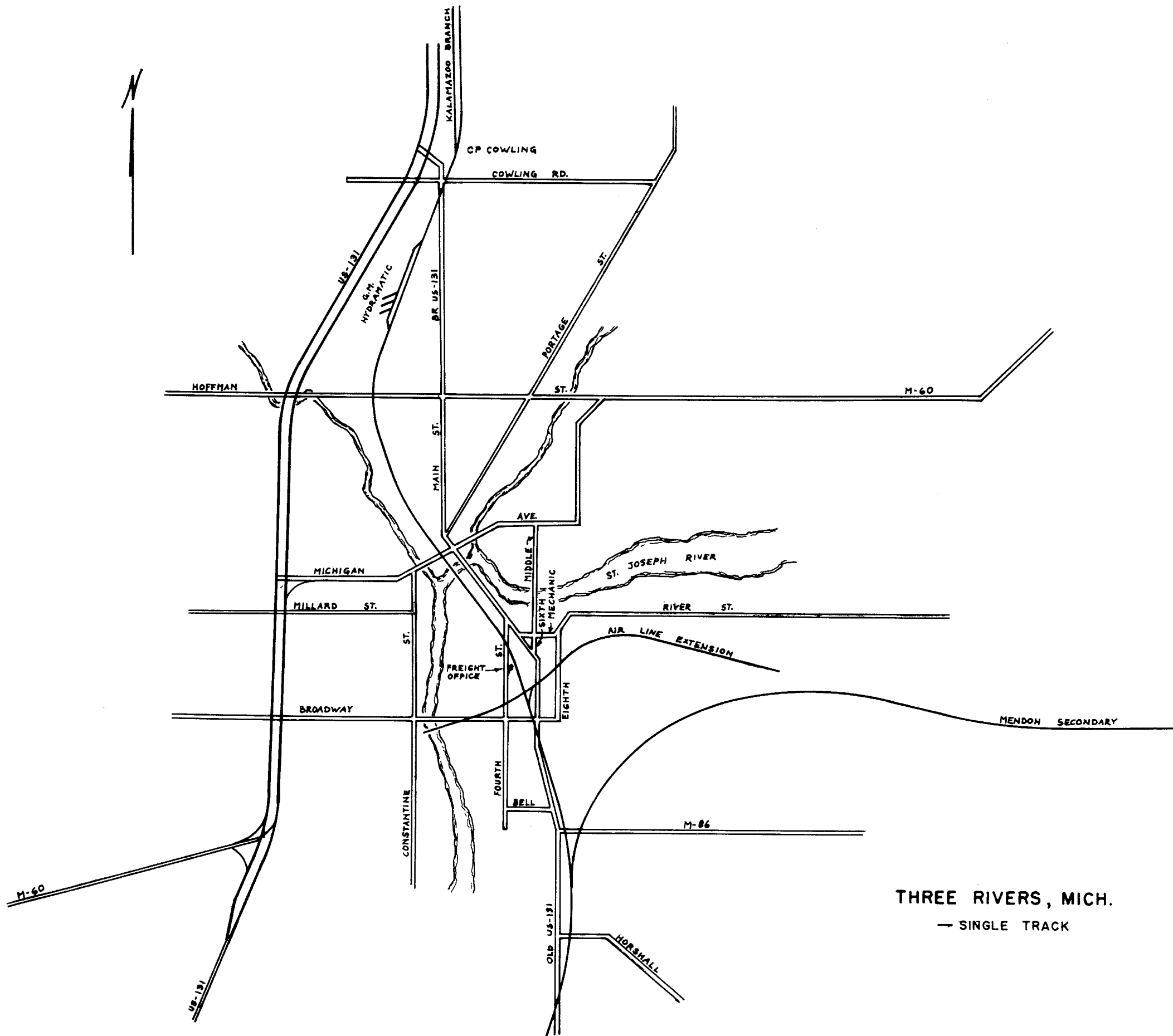




KALAMAZOO, MICHIGAN

- LEGEND:
- DOUBLE TRACK
 - SINGLE TRACK
 - FOREIGN ROAD





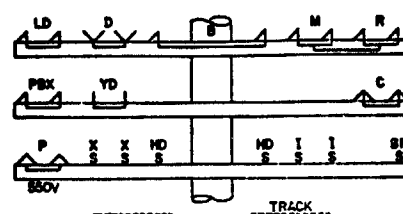
PROGRAM LEGEND
DATE OF WORK PRECEDES CODE (IF KNOWN)

CONDITIONS	CODES
GRINDING (NO. OF PASSES)	
SURFACING	TYPE OF MACHINE USED
	E = Electromatic T = Tamper
	P = Plasser
TIES	YEAR INSTALLED ONLY FOR MAJOR REHABILITATION
	ST = Safety tie installations of less than 400 ties/mile
UNDERCUTTING	TYPE OF MACHINE USED
	PD = Plow (Bulldozer) UK = Undercut (Kershaw)
	PL = Plow (Loram) UP = Undercut (Plasser)
RAIL	TYPE AND CONDITION
	C = Cropped HT = Heat Treated
	F = Fit
	/// = Continuous Welded Rail (Butt welded rails 79 feet or longer where laid in succession)
NOTE:	On rail weights of over 100 lbs., the number 1 is dropped. Example: 140 lbs. would be written 40. The weight will precede the year rail was laid.
BALLAST	TYPE OF MACHINE USED
CLEANING	L = Loram S = Speno
TONNAGE	(MGT) in Million Gross Tons (Prior Year)
TIMETABLE	
SPEED	Passenger/Fast Freight/Freight
UG CABLE	---- Conrail --- AT&T N, S, E, W, = Direction Footage = Distance From Center Line Of Track
84 PROGRAMMED WORK	SURFACE AFTER RAIL

CHART LEGEND

M/W TEST LOCATION	----	T1
TUNNEL	----	---
BRIDGE (OH & UG)	----	---
LONG BRIDGE	----	---
RR KING	----	---
PUB RD KING (GRADE)	----	---
PUB RD KING (GRADE)	----	---
(W/FLSH)	----	---
PUB RD KING (GRADE)	----	---
(W/FLSH & GATES)	----	---
PRIVATE RD KING	----	---
AUTOMATIC SIGNAL	----	---
CURVE LUBRICATOR	----	---
DRAWING EQUIP DET	----	---
HOT BOX DET	----	---
(PT. DIR. TRAFFIC)	----	---
HOT BOX & DRAG EQUIP	----	---
(WITHIN 250')	----	---
TIMETABLE M.P.	----	---
VALUATION M.P.	----	---
ENDANGERED PLANT	----	---
SPECIES	----	---

POLE LINE DIAGRAM



- ▲ = NO. 9 COPPER WIRE
- ▼ = NO. 8 COPPER WIRE
- ▲ = NO. 8 WEATHER PROOF COPPERWELD
- I = NO. 8 IRON
- ▲ = NO. 6 WEATHER PROOF COPPER
- S = NO. 10 WEATHER PROOF COPPERWELD

KEY TO PIN SYMBOLS

- D = DISPATCHER
- R = RADIO
- LD = CARRIER
- P = POWER
- PBK = EXT.
- I = INDICATION
- SP = SPARE
- B = BLOCK
- M = MESSAGE
- C = CODE
- YD = YARD
- X = CROSSING
- HD = DISTANT

KEY TO LINE CIRCUITS

GRINDING	WPS	0041
SURFACING	791	801
TIES	79	79
UNDERCUTTING		
RAIL		27-79
BAL CLEAN		615
TONNAGE (MGT)		28.8
T T SPEED	30	30
UG CABLE		

GRINDING		82
SURFACING	81	81
TIES		79
UNDERCUTTING		81
RAIL		40-75
BAL CLEAN		801
TONNAGE (MGT)		20.8
T T SPEED	50/50/40	70/60/50
UG CABLE		35/35/35

GRINDING		82
SURFACING	81	791
TIES		79
UNDERCUTTING		81
RAIL		40-75
BAL CLEAN		801
TONNAGE (MGT)		27.1
T T SPEED	70/60/50	70/60/50
UG CABLE		35/35/35

VALUATION
TOWN

v2040/v2000

BEREA

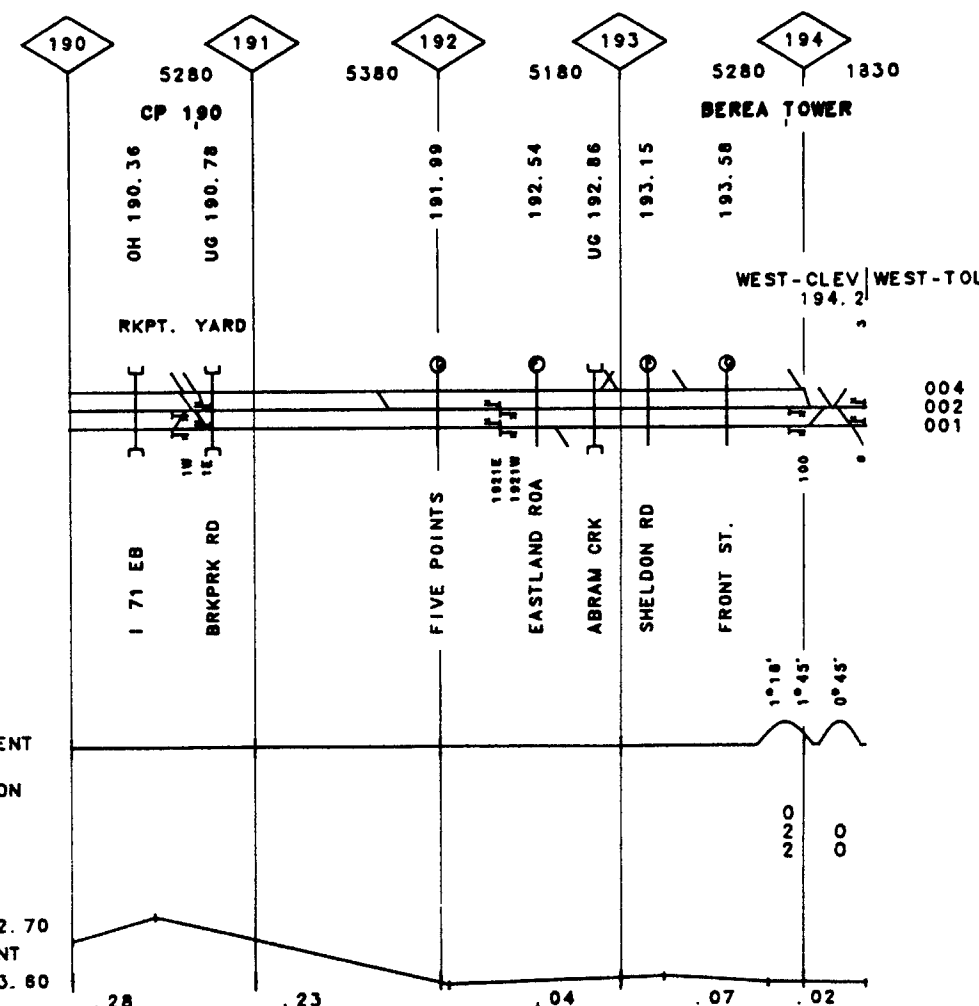
FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

SUPER ELEVATION

MAX ELEV 232.70
VERT. ALIGNMENT
MIN ELEV 213.60
GRADE



COST CENTER LISTING FOR MICHIGAN DIVISION

<u>LINE NAME</u>	<u>MILE POST FROM</u>	<u>MILE POST TO</u>	<u>TRACK</u>	<u>COST CENTER</u>	<u>LINE CODE</u>
CK&S	44.90	45.90	007	15028	39-5344
SAGINAW SEC.	36.80	37.80	001	15033	39-5337
SAGINAW SEC.	36.80	37.80	002	15033	39-5337

LIMITING CLEARANCE BY LINE

MICHIGAN DIVISION DIVISION

<u>LINE</u>	<u>BETWEEN</u>	<u>M.P. TO M.P.</u>	<u>STRUCTURES</u>	<u>CLEARANCES</u>	<u>CODE</u>
M.L.(Susp Br & Chi)	Town Line & Kalamazoo	7.6-145.0	O.H. Br 36.84	19'- 7"	39-5304
M.L.(Susp Br & Chi) AMTK	Kalamazoo & State Line	145.0-222.9	O.H. Br 193.12	18'- 3"	39-5304
M.L.(Susp Br & Chi) AMTK	State Line & Porter	222.9-240.7	Coal Dock 227.25	21'- 4"	39-5304
Benton Sec.	Benton Harbor & Niles	0.0- 27.0	No Info	-	39-5347
B O Secondary	Kalamazoo	0.0- 0.5	No Rest.	-	39-5341
CK&S Br.	Parchment & Pavilion	41.3- 45.9	No Rest.	-	39-5344
Comstock Secondary	Grand & Comstock Park	102.3-108.6	T.T. Br 234.33	21'- 0"	39-5338
Eaton Rapids Running Trk.	Rives Jct & Eaton Rapids	10.6- 24.8	No Rest.	-	39-5340
GR&I Br.	Sturgis	146.7-150.4	No Rest.	-	39-5338
Hastings Running Trk.	Bowen & Grand Rapids	88.1- 94.5	No Info	-	39-5340
Hughart Running Trk.	Grand Rapids	100.6-102.3	No Info	-	39-5338
Jackson Ind. Tk.	Jackson	96.5- 97.4	No Rest.	-	39-5321
Kalamazoo Br.	Elkhart & State Line	1.9- 14.7	No Info	-	39-5321
Kalamazoo Br.	State Line & Three Rivers Jct	14.7- 27.4	No Rest.	-	39-5321
Kalamazoo Br.	Three Rivers Jct & Cp Park	27.3- 33.0	No Info	-	39-5341
Kalamazoo Sec.	Cp Park & Kalamazoo	33.0- 54.0	No Info	-	39-5341
Kalamazoo Sec.	Kalamazoo & Burton	54.0-100.6	No Rest.	-	39-5338
Kalamazoo Industrial	Eagle Mills & Grand Rapids	91.6- 95.0	No Info	-	39-5341
Kinney Spur	Fuller & Kinney	2.7- 7.5	No Info	-	39-5358
Lansing Br.	Lansing(S.Cty Lim-N.City Lim)	57.1- 61.4	No Info	-	39-5352
Lansing Br.	Albion	22.0- 23.4	No Info	-	39-5352
Lansing Mfrs. RR.	Lasing	0.0- 5.1	No Info	-	39-5354
Meadows Industrial	Lasing	37.9- 38.8	No Info	-	39-5357
Mendon Sec. Trk.	Three Rivers & Wasepi	27.4- 36.9	No Rest.	-	39-5321

Note: Clearance indicated is actual clearance.
Published clearance is 4 inches below actual.

LIMITING CLEARANCE BY LINE

MICHIGAN DIVISION DIVISION

<u>LINE</u>	<u>BETWEEN</u>	<u>M.P. TO M.P.</u>	<u>STRUCTURES</u>	<u>CLEARANCES</u>	<u>CODE</u>
Northern Ind.	Jackson & Vandercook Lake	0.0- 4.2	No Info	-	39-5348
Plainwell Sec.	Plainwell & Otesgo	65.9- 70.7	No Info	-	39-5341
Quincy Sec.	Quincy & White Pigeon Jct.	377.7-421.3	O.H. Br 382.50	21'- 9"	39-3634
Saginaw Sec.	Jackson & Lansing	0.2- 37.9	No Info	-	39-5337
South Bend Sec.	Niles & State Line	0.5- 6.0	No Info	-	39-5346
South Bend Sec.	State Line & So. Bend	6.0- 10.6	No Info	-	39-5346
South Haven Industrial	Kalamazoo & Douglas St.	0.2- 1.8	No Rest.	-	39-5343
Upjohn Sec.	Gibson & Austin Lake	0.0- 6.7	No Info	-	39-5338

Note: Clearance indicated is actual clearance.
Published clearance is 4 inches below actual.

Endangered Plant Species

Michigan Division

<u>Line Name</u>	<u>M.P. from</u>	<u>M.P. to</u>	<u>Location</u>
M.L. (Susp. Br. & Chi.)	32.46	33.14	South side of tracks
M.L. (Susp. Br. & Chi.)	34.90	35.65	Both sides of tracks
M.L. (Susp. Br. & Chi.)	38.44	39.44	Both sides of tracks
M.L. (Susp. Br. & Chi.)	80.55	80.75	South side of tracks
M.L. (Susp. Br. & Chi.)	88.30	90.60	South side of tracks
M.L. (Susp. Br. & Chi.)	114.25	115.25	North side of tracks
M.L. (Susp. Br. & Chi.)	123.80	124.40	North side of tracks
Kalamazoo Br.	15.70	16.00	North side of track
Kalamazoo Sec.	38.90	40.00	Both sides of track
Quincy Br.	390.99	391.12	Both sides of track
Quincy Br.	391.29	391.81	Both sides of track
Quincy Br.	392.20	392.55	Both sides of track
Quincy Br.	412.23	412.26	North side of track
Quincy Br.	412.78	413.10	Both sides of track
Quincy Br.	415.43	415.81	Both sides of track
South Bend Sec.	4.50	4.90	East side of track

GRINDING	
SURFACING	805
TIES	76
UNDERCUTTING	
RAIL	27-44
BAL. CLEAN	805
TONNAGE (MGT)	4.0
T.Y. SPEED	70/60/50
UG. CABLE	

002

GRINDING	81
SURFACING	81
TIES	76
UNDERCUTTING	
RAIL	27-39
BAL. CLEAN	821
TONNAGE (MGT)	4.5
T.Y. SPEED	70/60/50
UG. CABLE	

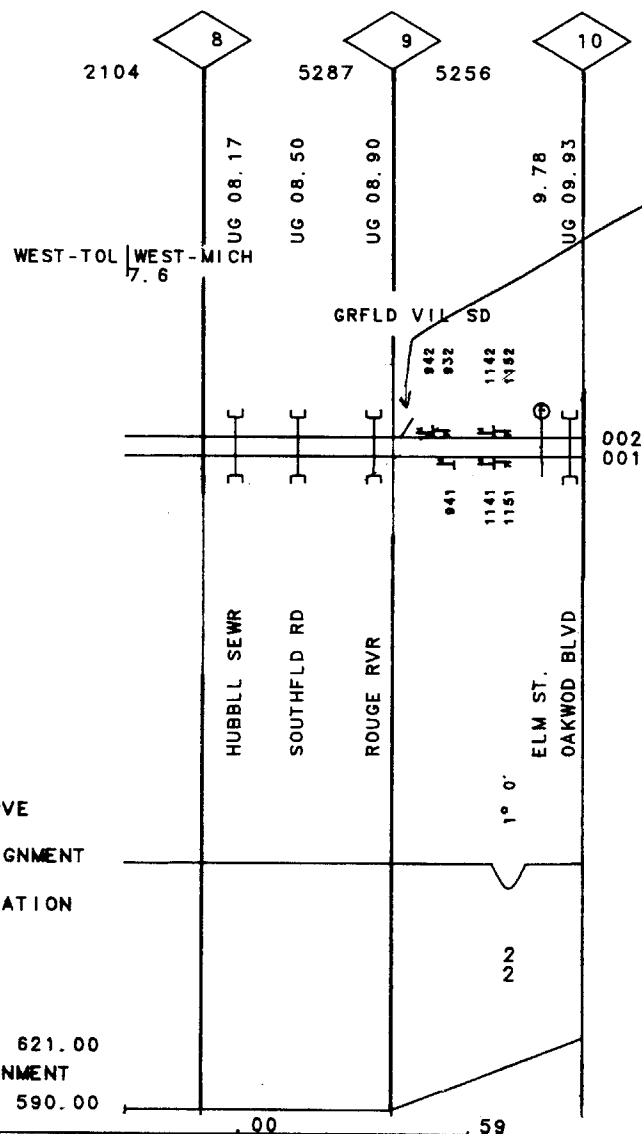
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VALUATION
TOWN

DEARBORN

V4012

FACILITY

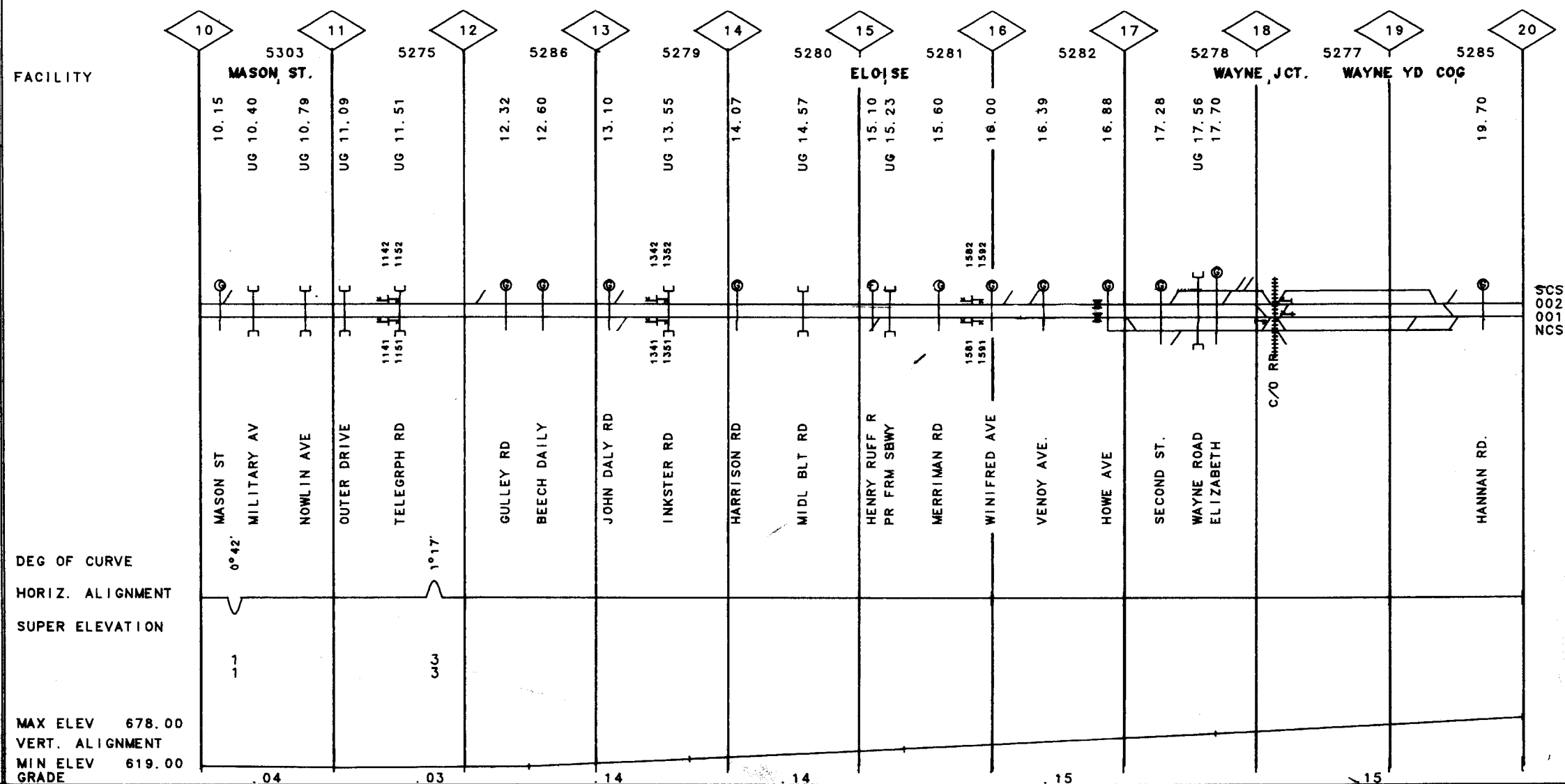


SCS002

001

NCS

HANNAN ROAD



SCS 3

002

001

NCS

V4012
DENTON

WILLOW RUN

YPSILANTI

HAGGERTY



MAX ELEV 737.00
VERT. ALIGNMENT
MIN ELEV 678.00
GRADE

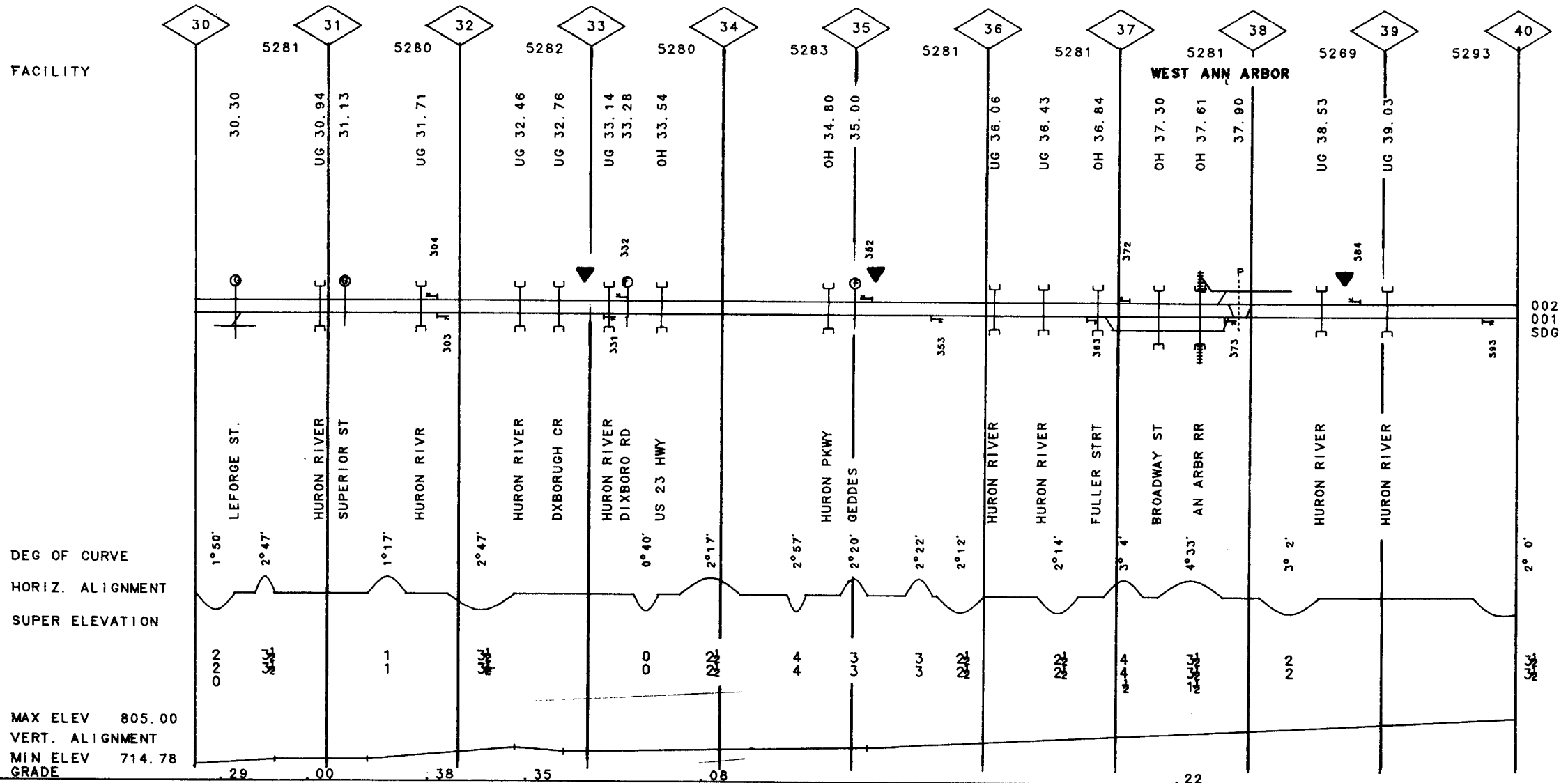
39-5304 M. L. (SUSP. BR. / CHI.)

REV. 01/84

MP 20.00 -MP 30.00 MI

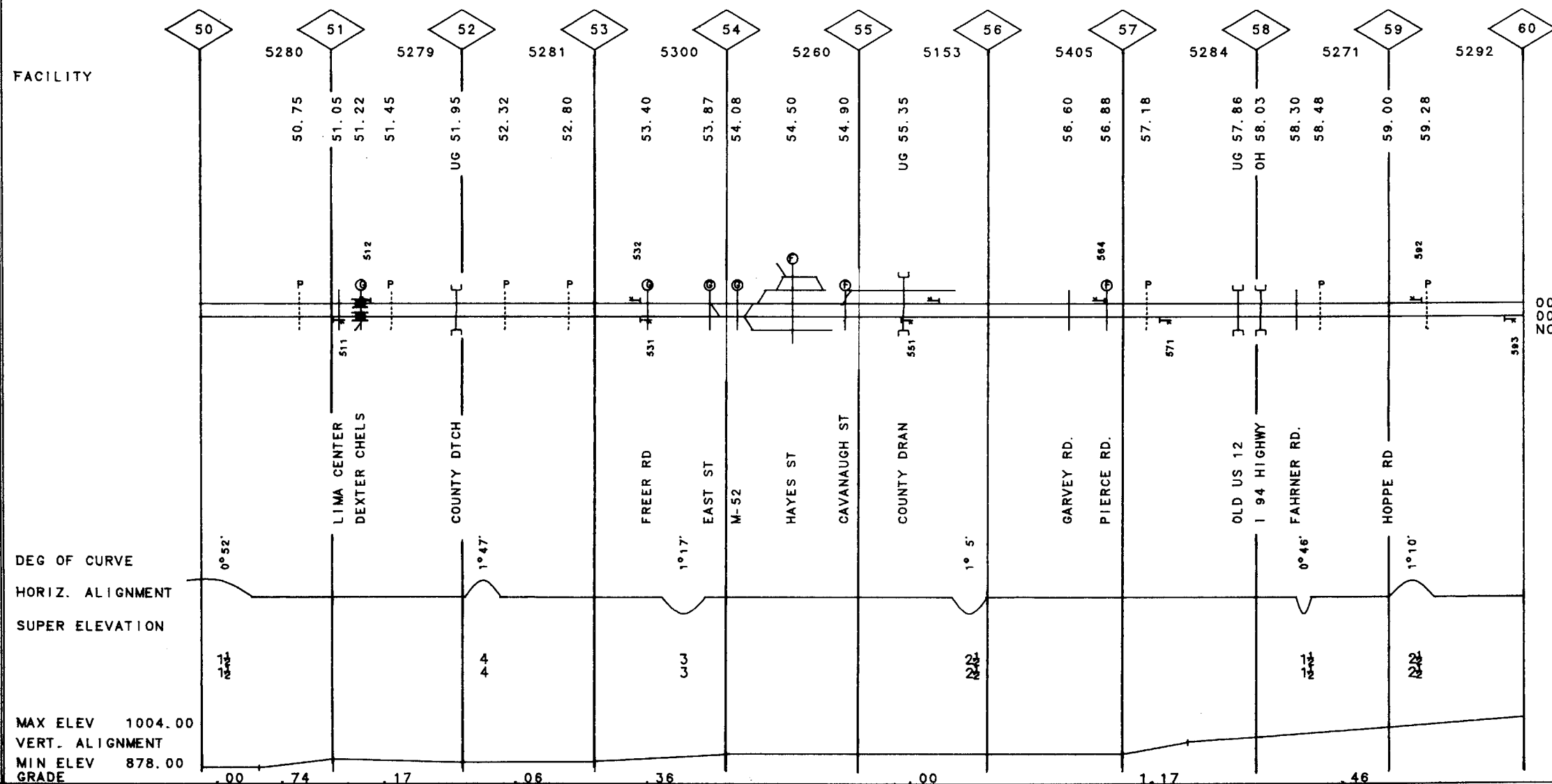
	NCS
	78E
	78
	30

ANN ARBOR



GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL CLEAN	
TONNAGE(MGT)	
Y T SPEED	30
UG. CABLE	

002
001
NCS



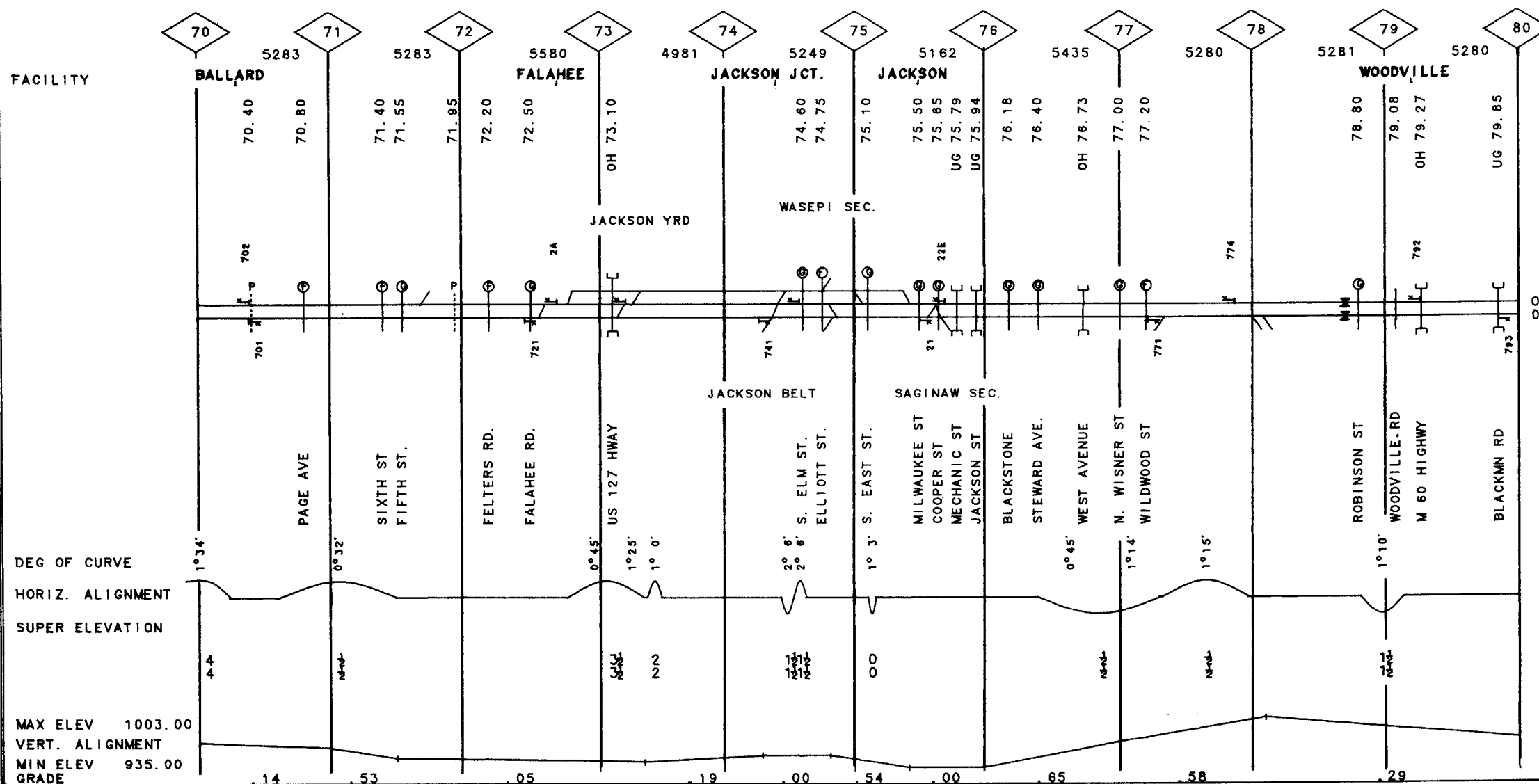
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001



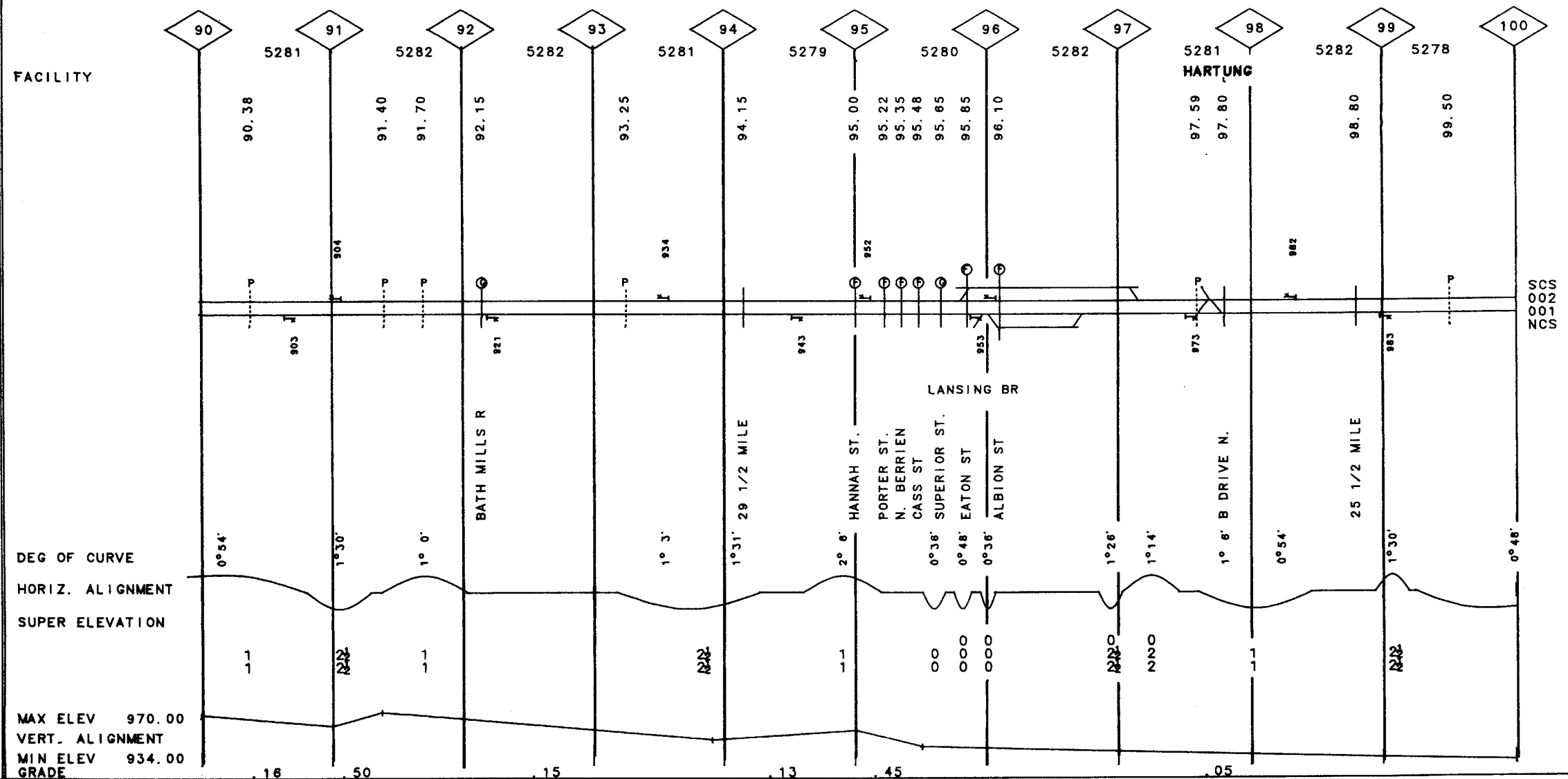
002001

V4012
JACKSON



SCS002001NCS

ALBION



SCS 11002001 |

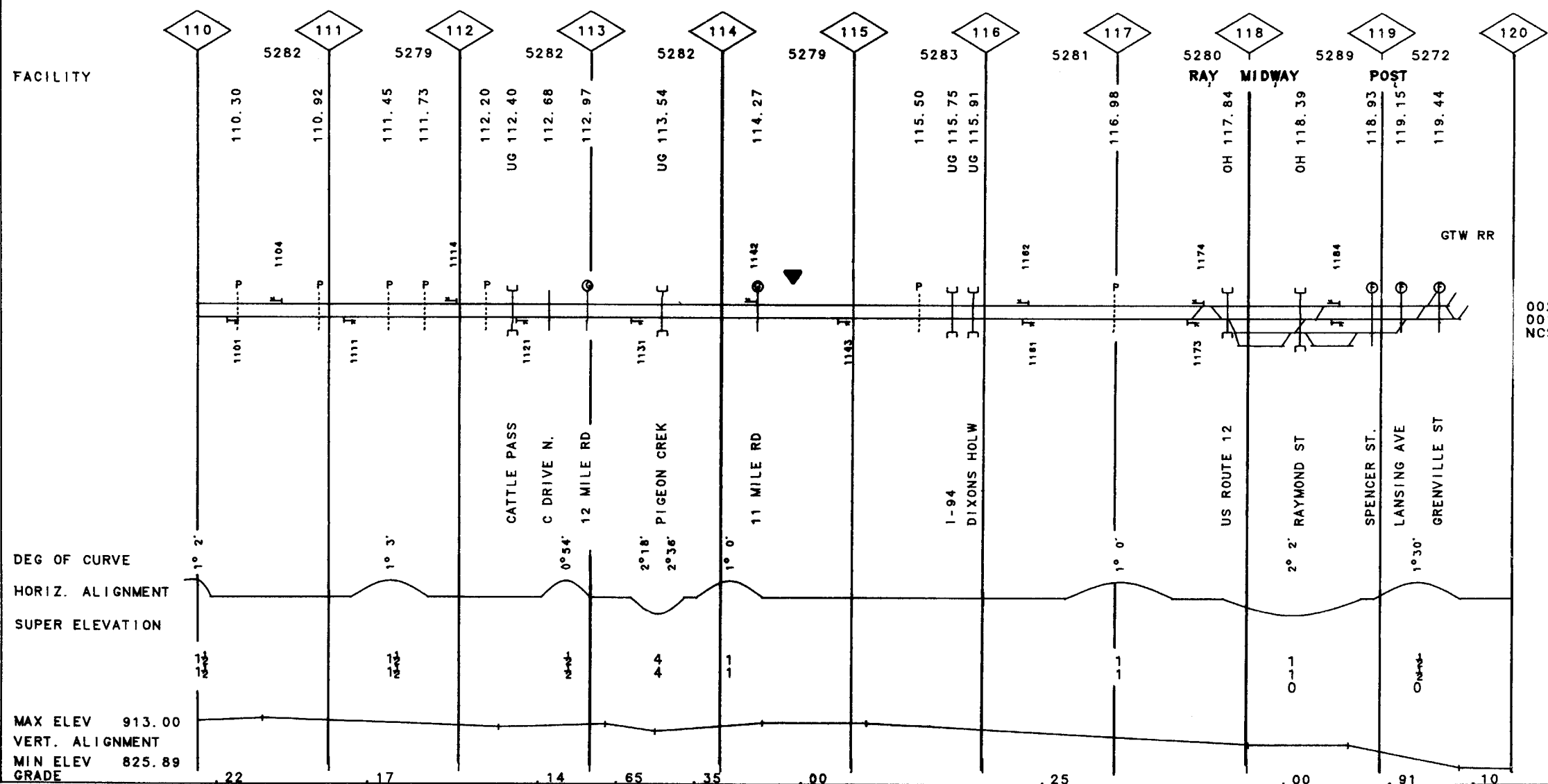
MARSHALL



002001

NCS

BATTLE CREEK



002
001

GRINDING				
SURFACING		791		805
TIES		79		80
UNDERCUTTING				
RAIL		27-49		27-51
BAL. CLEAN		795	82	805
TONNAGE (MGT)		4.6	6.3	0.5
T T SPEED		60/60/50	60/60/50	30/30/30
UG. CABLE				

002

GRINDING				
SURFACING		81		805
TIES		78		80
UNDERCUTTING				
RAIL		27-46	27-51	27-52
BAL. CLEAN		81		805
TONNAGE (MGT)		5.0	5.9	0.6
T T SPEED		60/60/50	60/60/50	30/30/30
UG. CABLE				

001

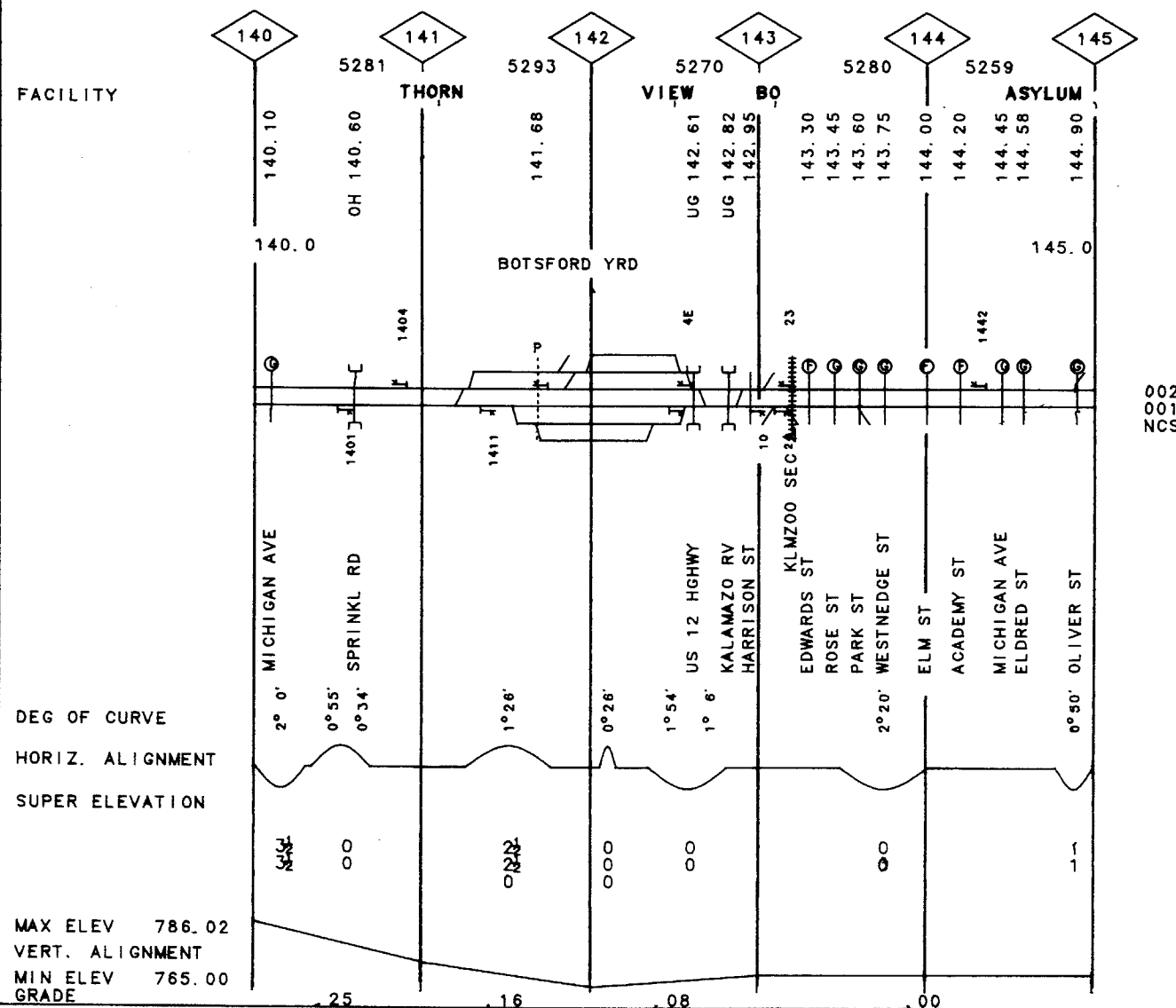
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL. CLEAN	
TONNAGE (MGT)	
T T SPEED	30
UG. CABLE	

NCS

VALUATION
TOWN

V4012

KALAMAZOO

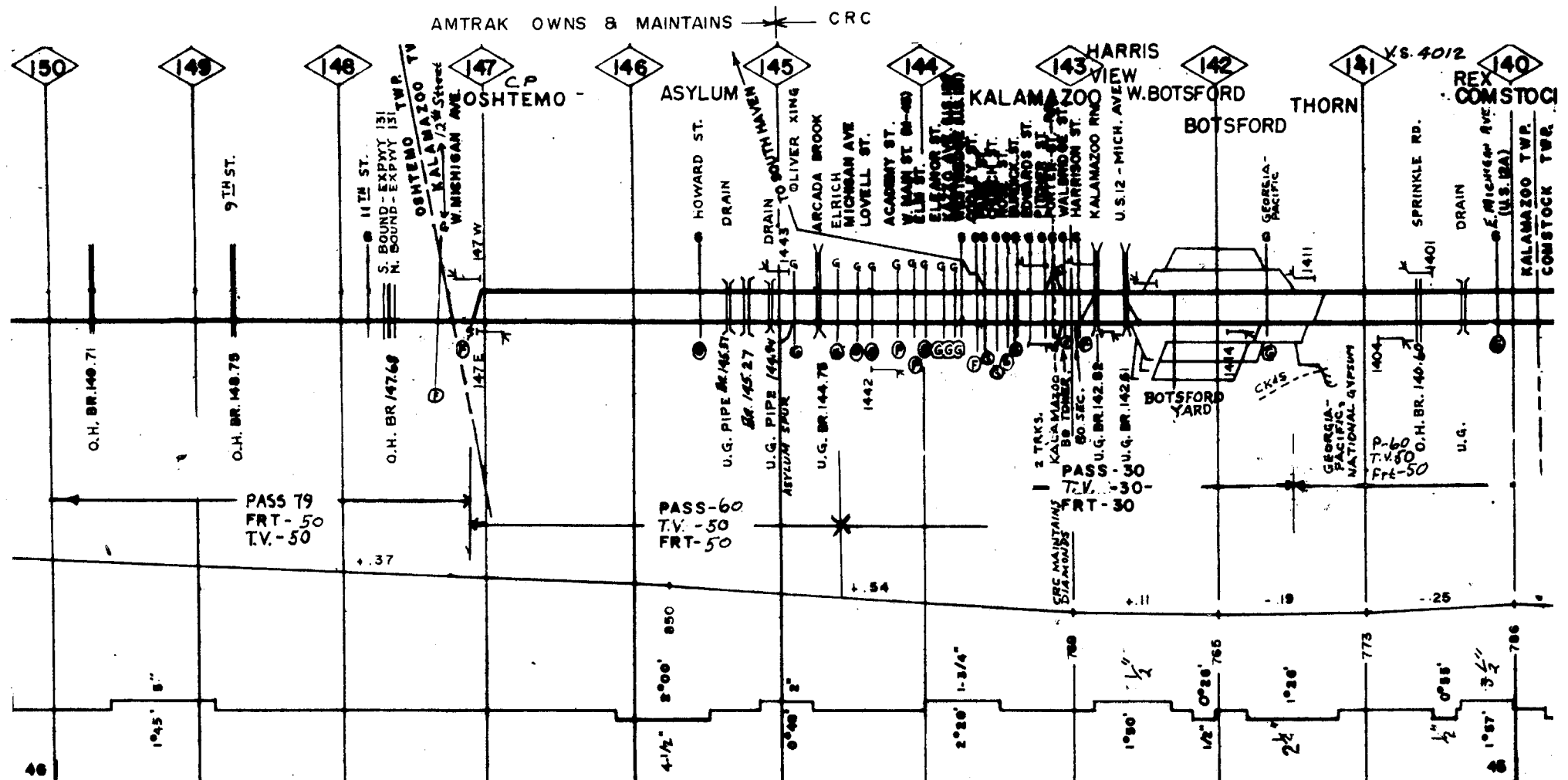


1984 CHART

GRINDING	
WELDING	55
SDRACING	79E
TIES	79
BARB	55HFF
RAIL	27-48
RAIL CLEAN	563
TONNAGE (MT)	0.3

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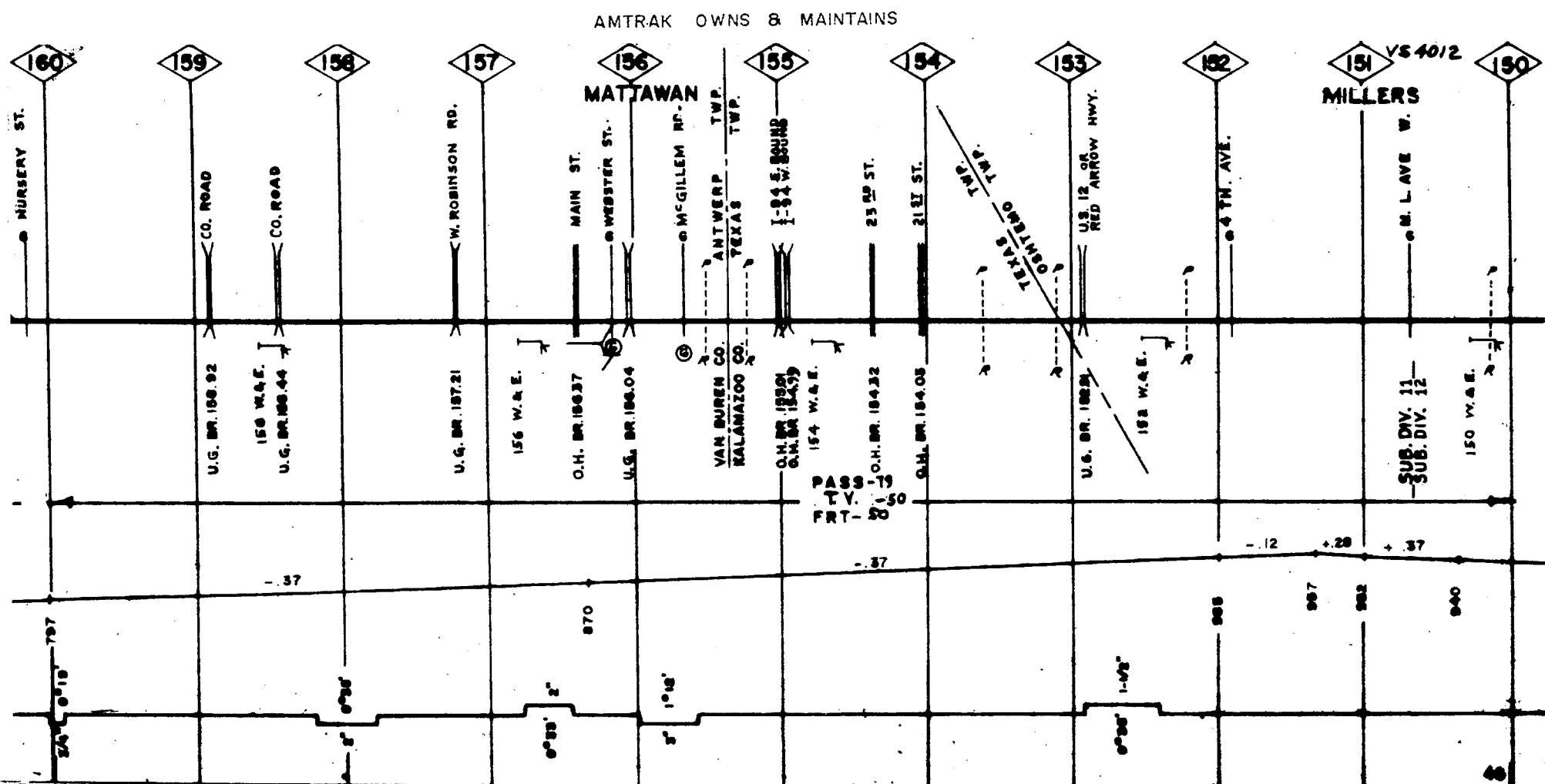
GRINDING									
WELDING		55					82		
SURFACING		79F				80F		79I	
PIES		79				80		79	
BAR			55HFF						
RAIL	27-48	27-49	55I	27-42	27-51	197		27-49	
RAIL CLEAN		56S			80S		87S		799
TONNAGE (MT)		0.1			0.9			6.5	



1984 CHART

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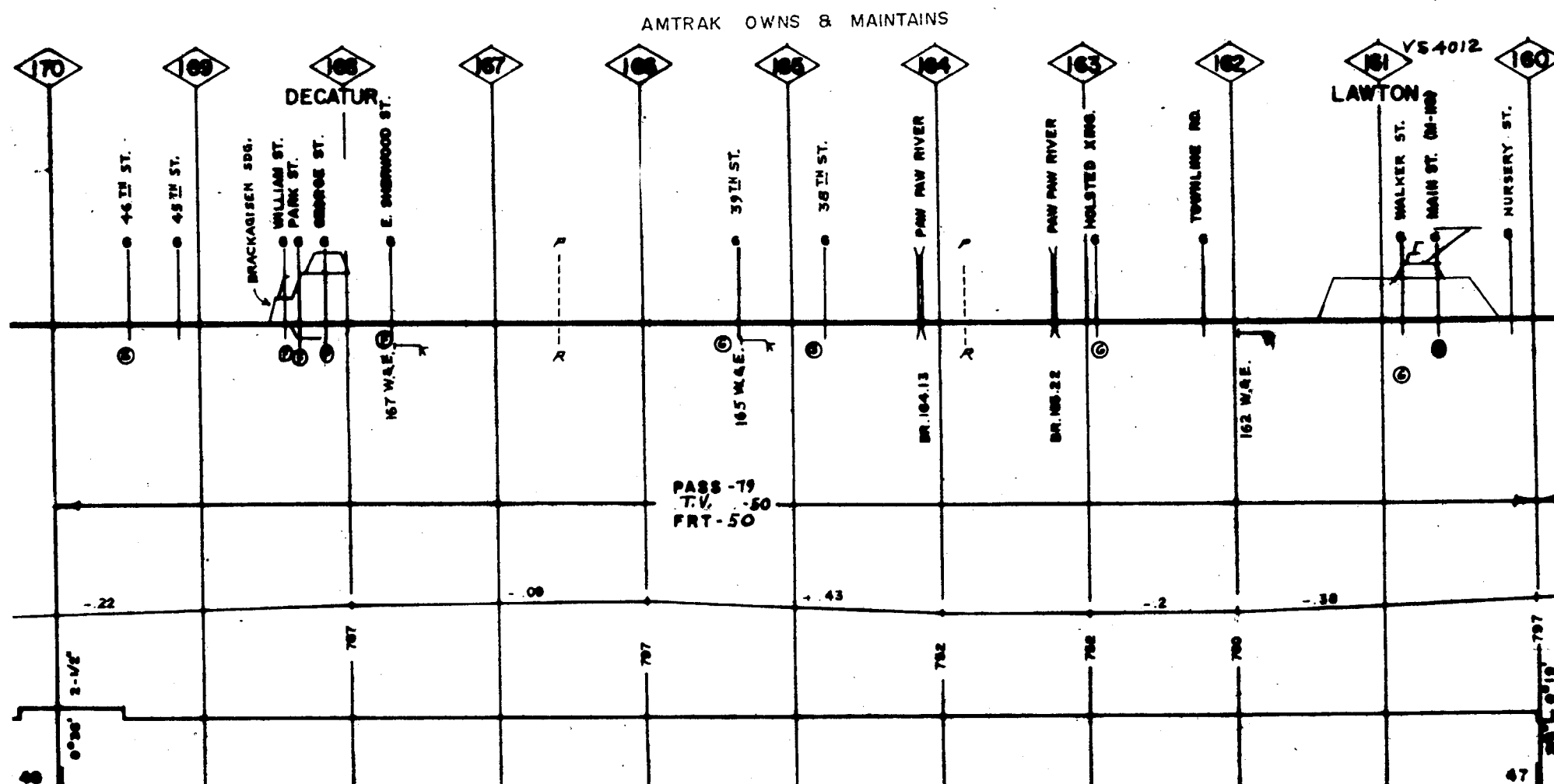
007



1984 CHART

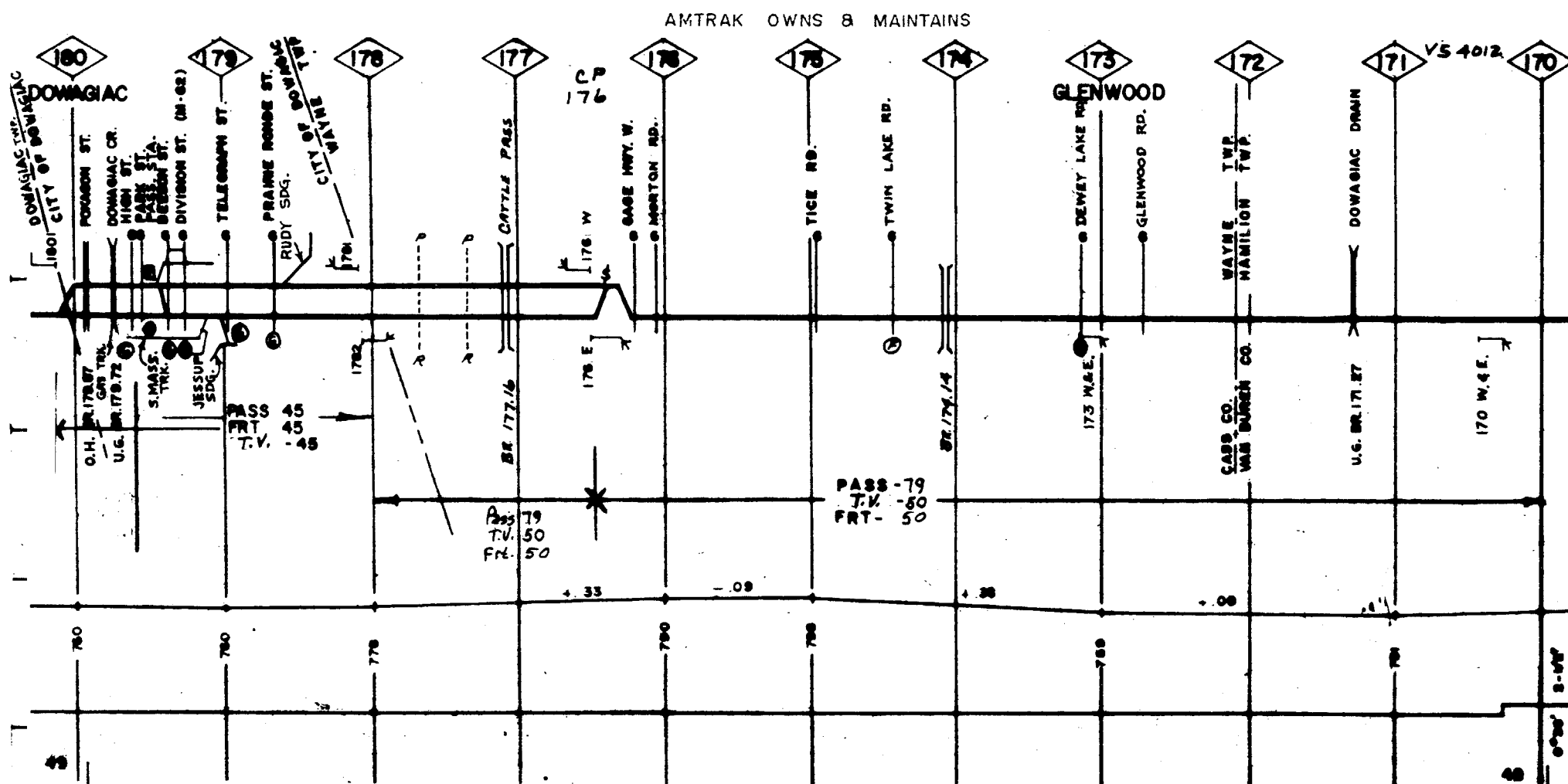
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007



1984 CHART

GRINDING				
WELDING			54	
SURFACING			79E	
TIES			79	
BARS			54HF	
RAIL			12-12	
RAIL CLEAN			54N	
TONNAGE (MG/)			0.1	

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1984 CHART

GRINDING	
WELDING	54
SURFACING	79E
TIES	79
BARB	42
RAIL	05-24
RAIL CLEAN	58N
TONNAGE (MGT)	0.1

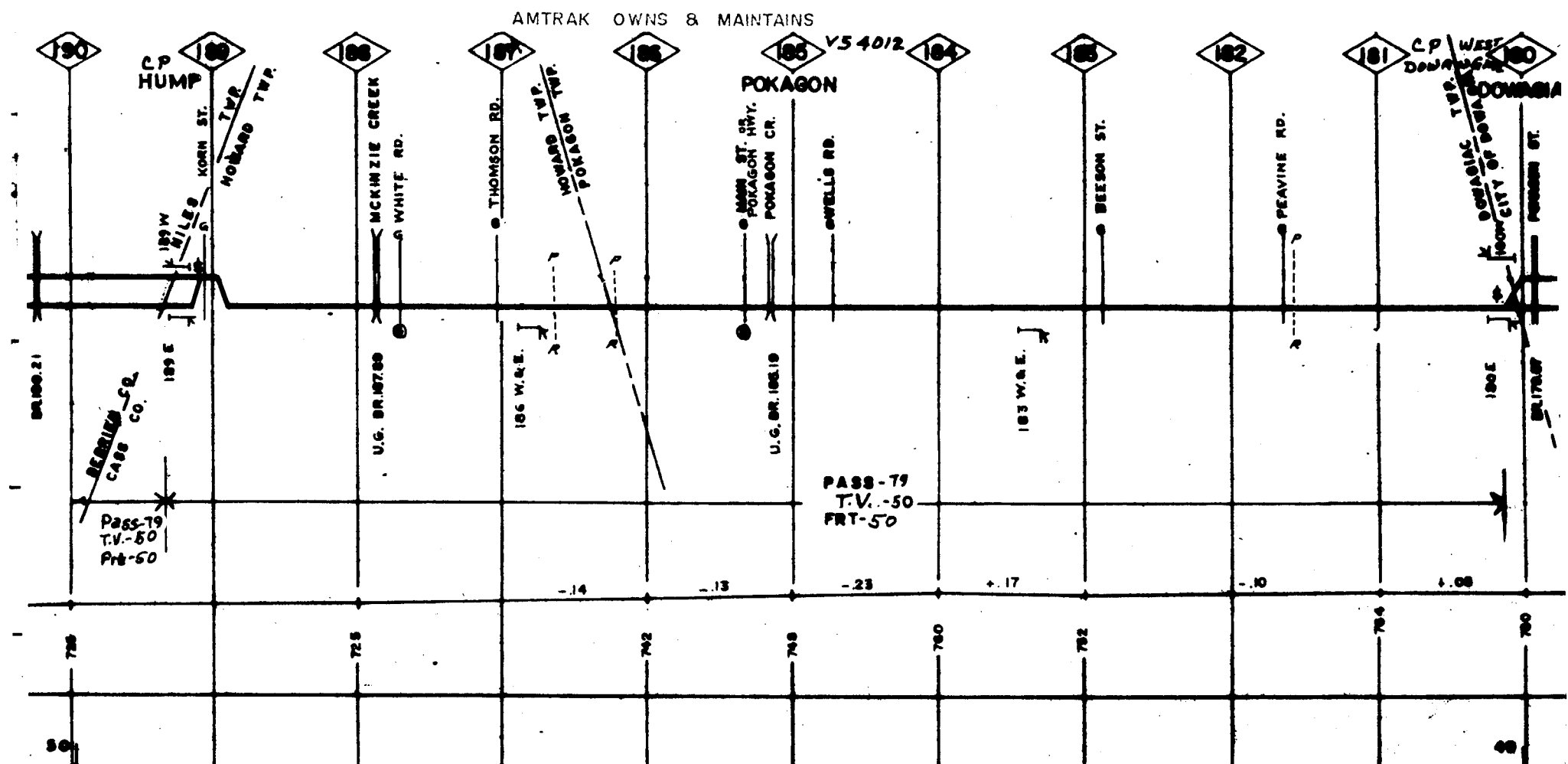
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007

GRINDING	
WELDING	55
SURFACING	79E
TIES	79
BARB	55A
RAIL	27-40
BAR CLEAN	55A
TONNAGE (AGT)	0.1

002

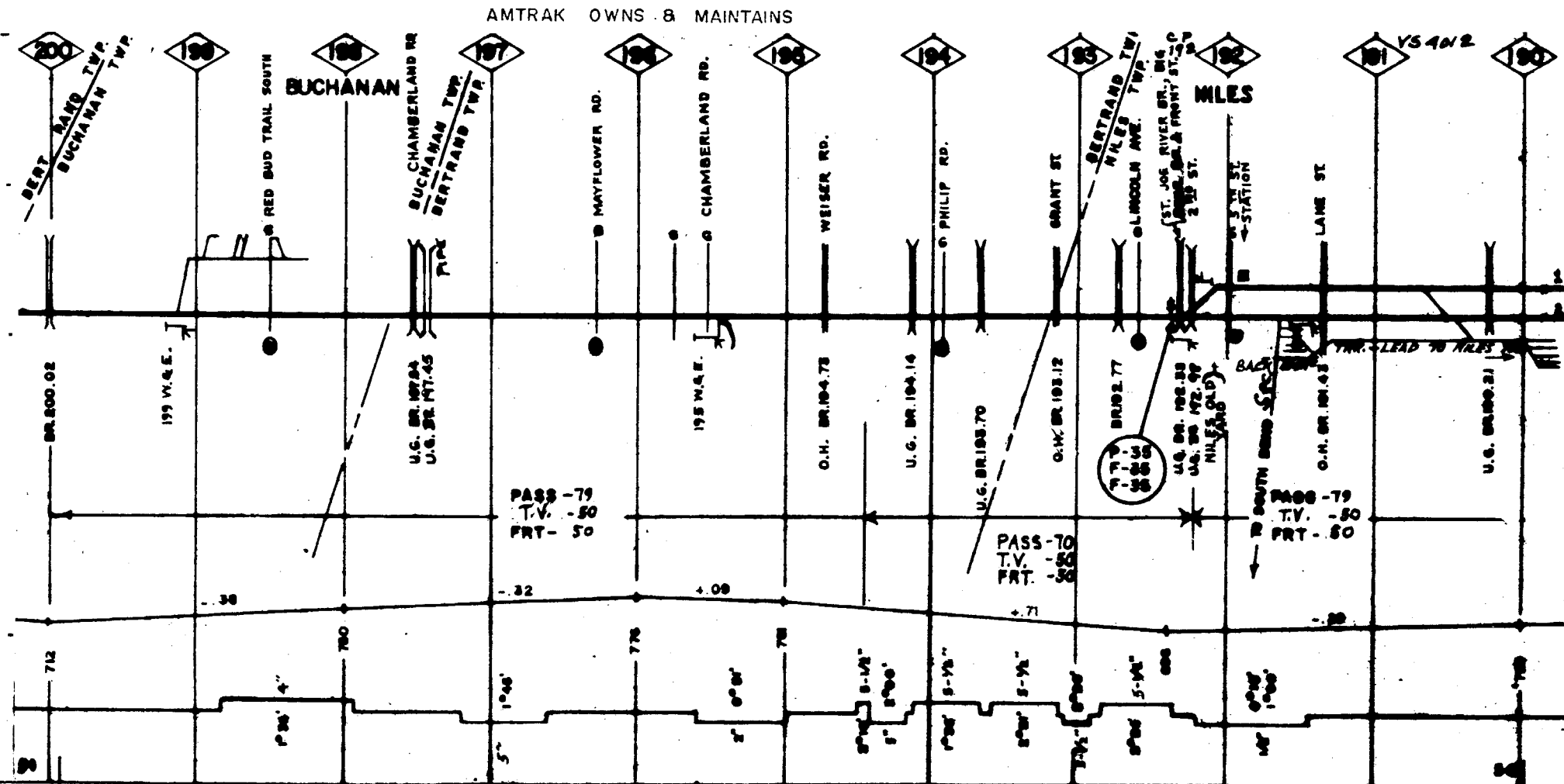


1984 CHART

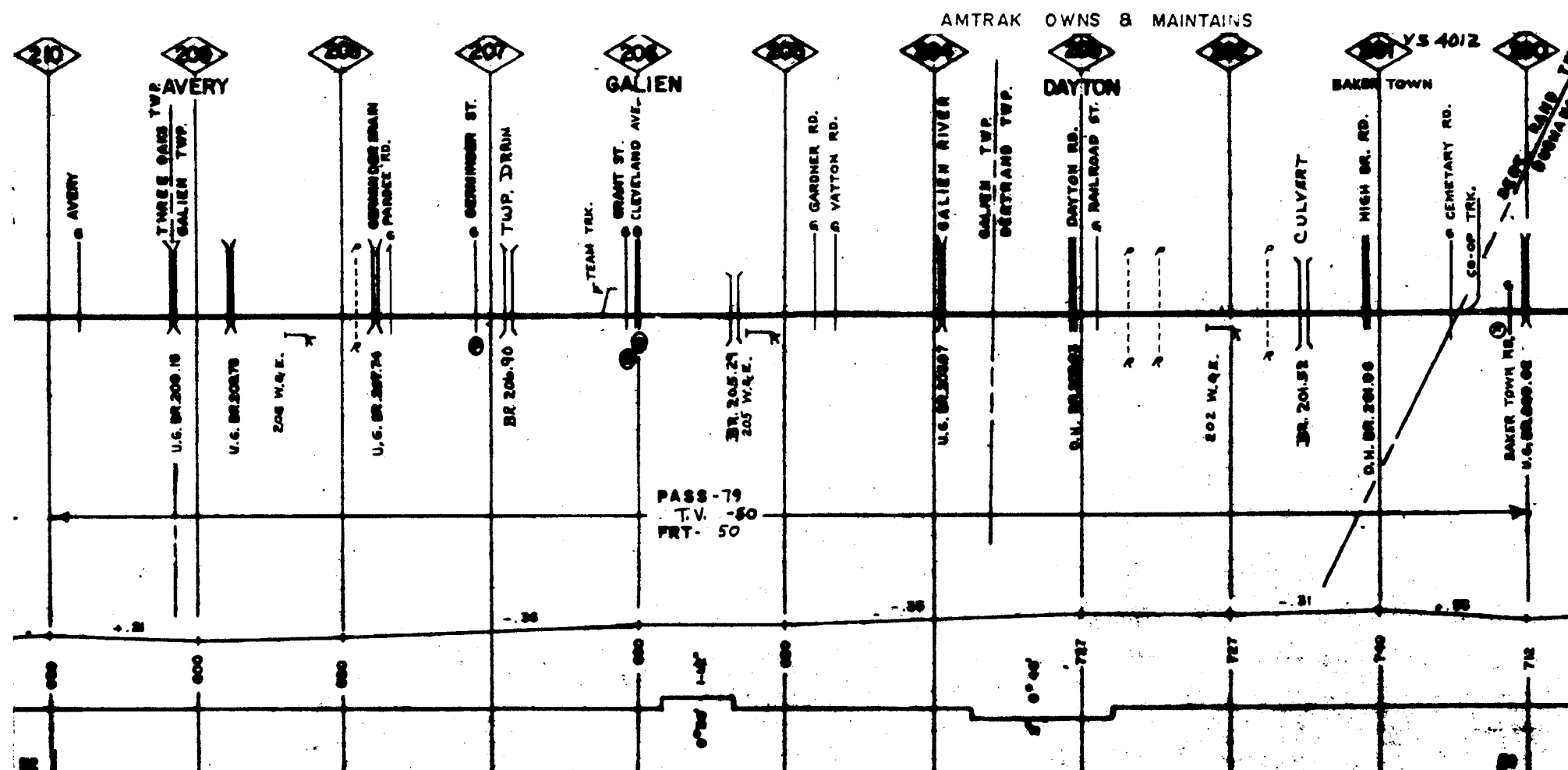
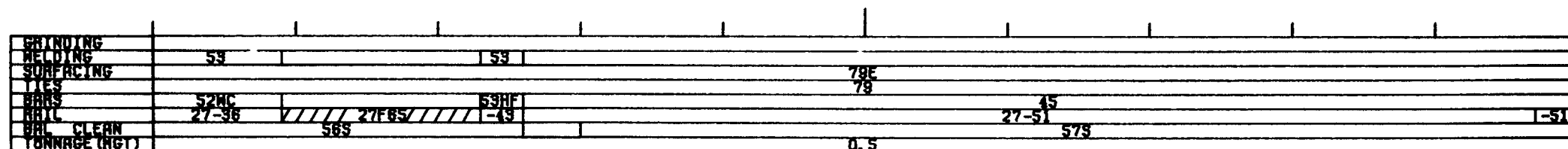
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GRINDING			
WELDING	58		54
SURFACING		78	
TIES		79	
BRMS	58EF		42
RAIL	27-56		05-24
RAIL CLEAN	55N		55N
TONNAGE (MT)		0.1	

GRINDING		
WELDING	56	55
SURFACING	79E	
TIES	79	
BARB	58HFF	55A
RAIL	27-56	27-40
RAIL CLEAN	56S	55N
TONNAGE (AGT)	0.1	



007



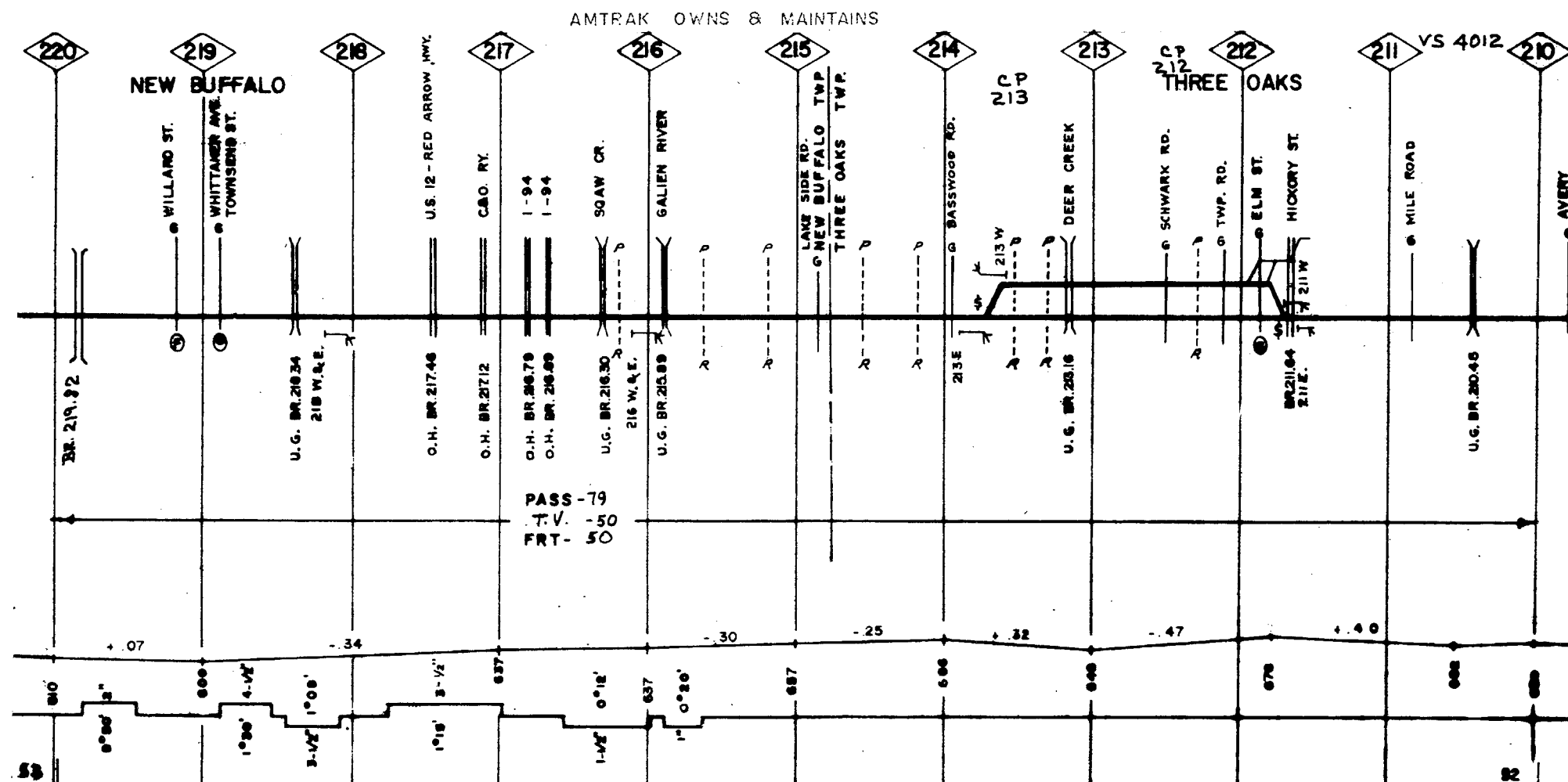
1984 CHART

GRINDING		
WELDING		
SURFACING	78E	
TIES	79	
BARB	48	44
RAIL	27-37	27-39
RAIL CLEAN		
(TUNNAGE (AGT))		

NCS

[illegible]

007



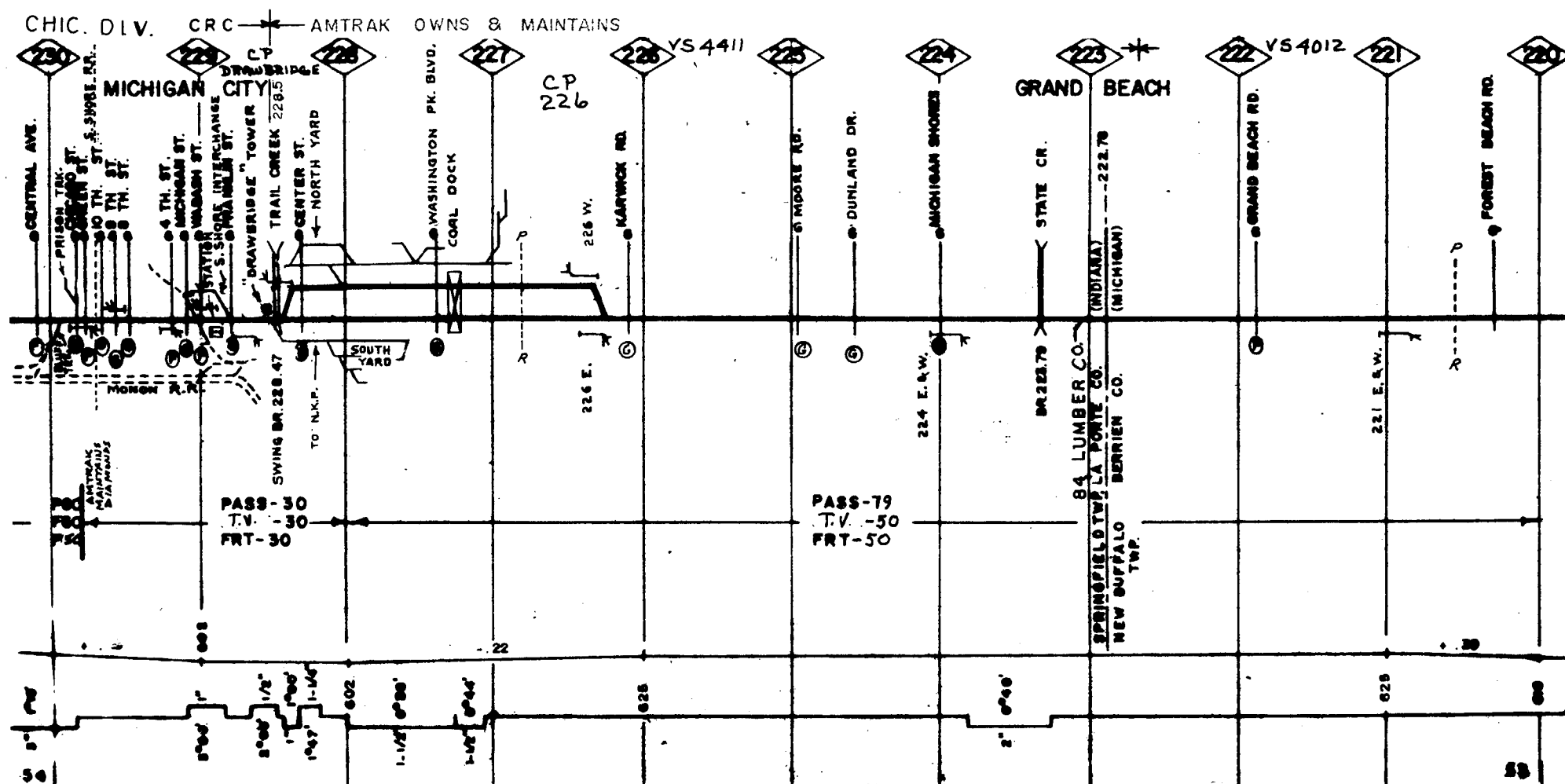
1984 CHART

GRINDING		
WELDING		55
SURFACING		60M
TIES		48
BARB		53HF
RAIL	27-41	27-40
BAR CLEAN		56S
TONNAGE (MGT)		

NCS

[illegible]

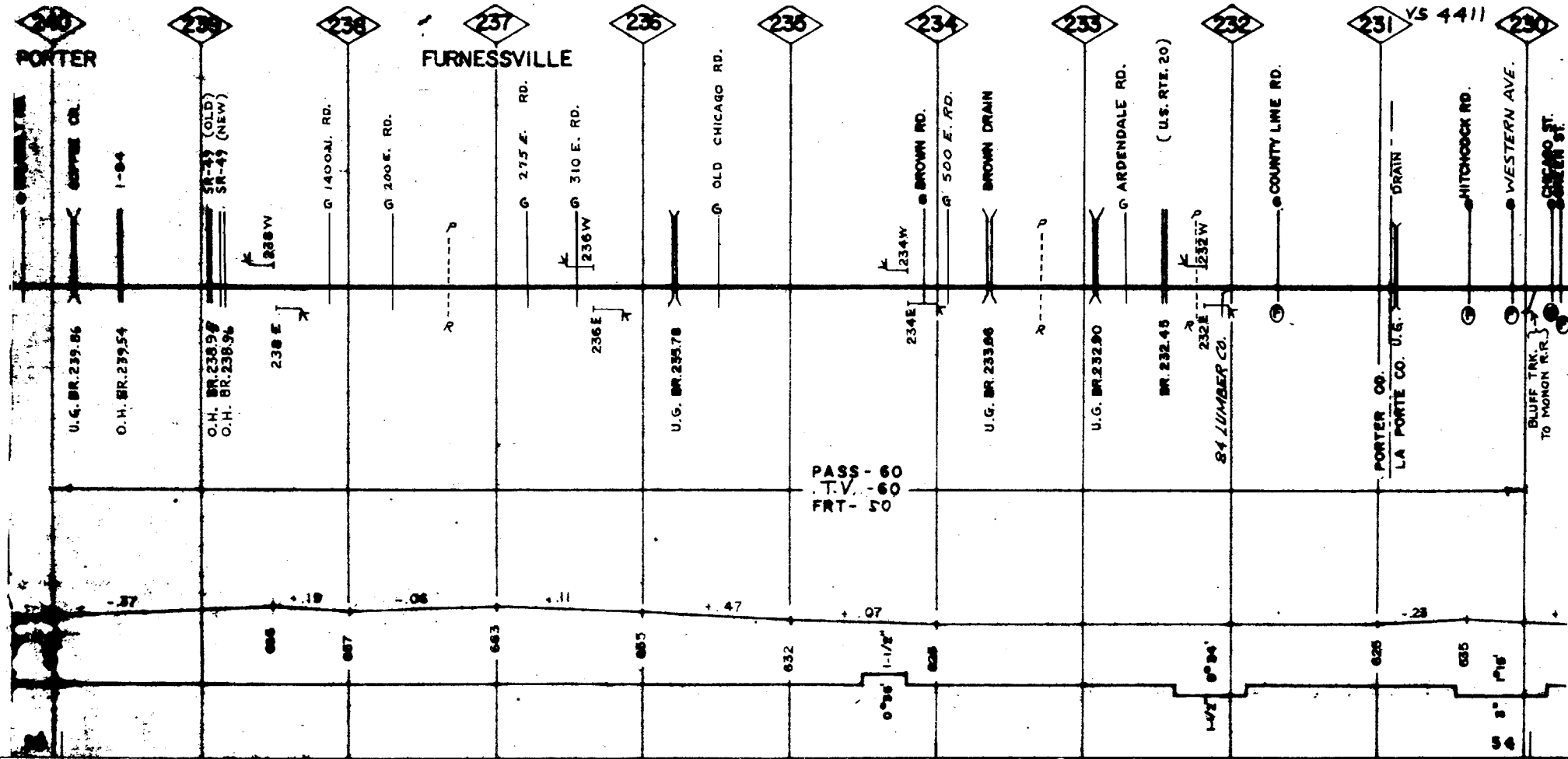
007



1984 CHART

GRINDING	
WELDING	
SURFACING	55H
TIES	53
BARS	
RAIL	27-52
RAIL CLEAN	53N
TUNNAGE (HGT.)	2.2

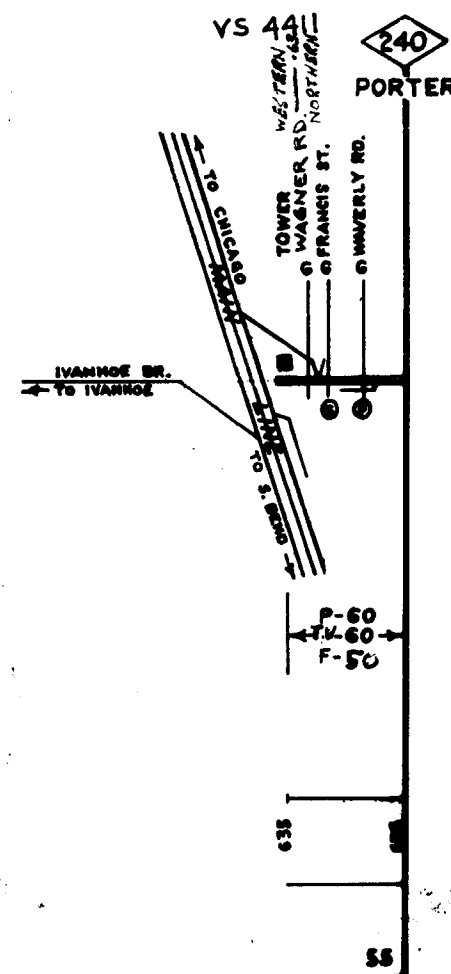
007



1984 CHART

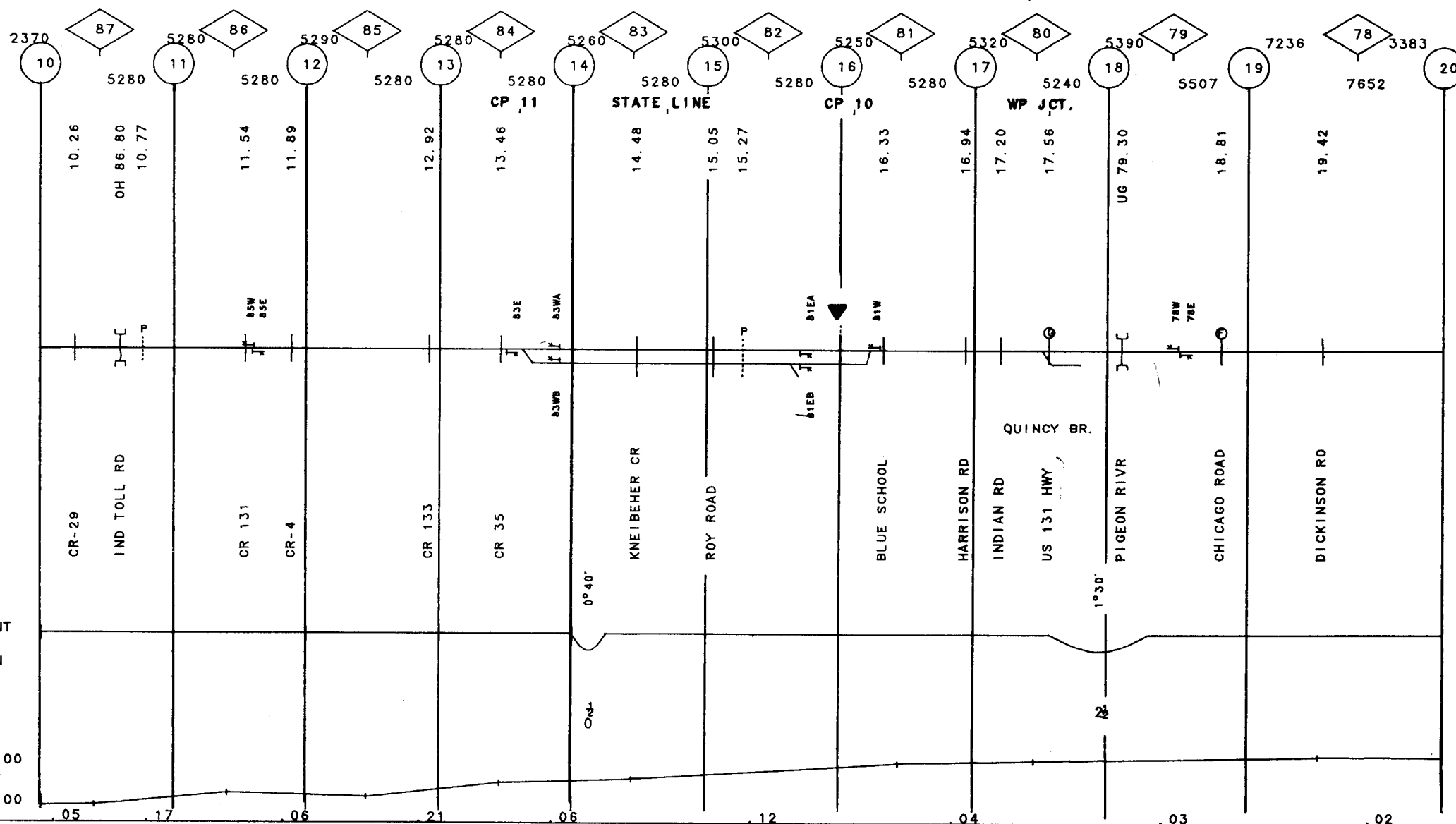
GRINDING	
WELDING	
SURFACING	55M
TIES	53
BARB	
RAIL	27-52
BAL CLEAN	53N
TONNAGE (HGT)	2.2

007



GRINDING			
SURFACING			
TIES			
UNDERCUTTING			
RAIL			
BAL. CLEAN			
TONNAGE (MGT)			
T T SPEED		15	
UG. CABLE			

WHITE PIGEON



MAX ELEV	839.00
VERT. ALIGNMENT	
MIN ELEV	810.00
GRADE	

GRINDING			
SURFACING	70E		74E
TIES	57		68
UNDERCUTTING			
RAIL	33F70		
BAL CLEAN	76S		
TONNAGE (MGT)			
T T SPEED			
UG CABLE			

007

007

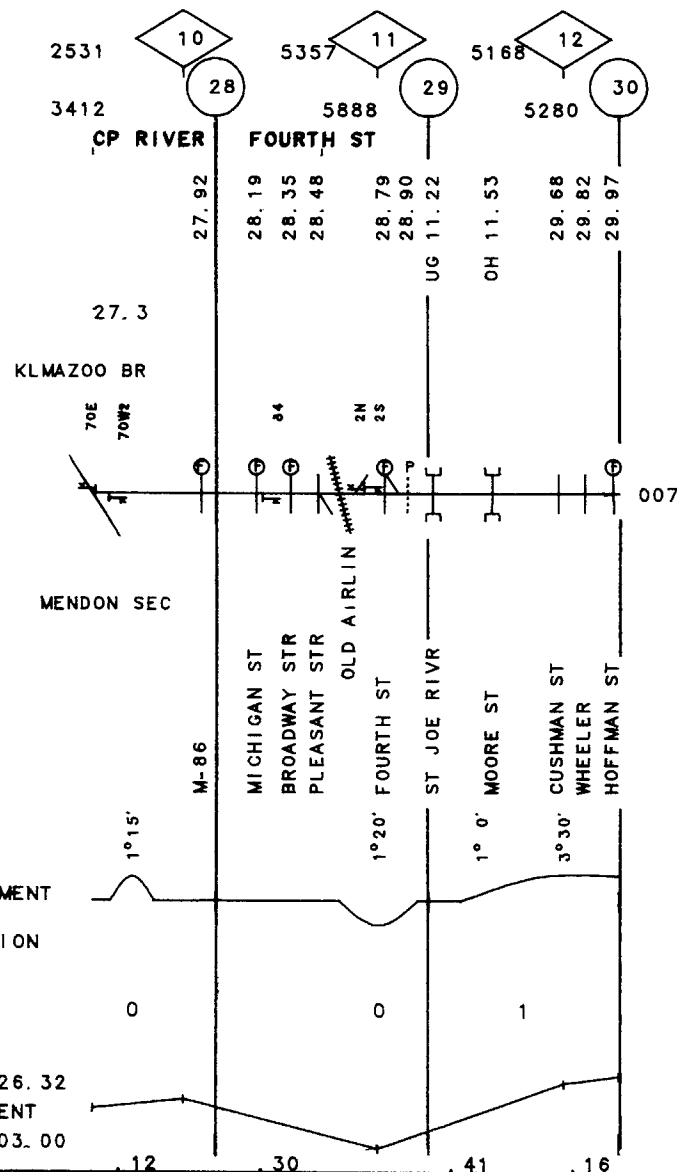
GRINDING	82
SURFACING	80E
TIES	73
UNDERCUTTING	76
RAIL	12F78
RAIL CLEAN	82
TONNAGE (MGY)	13.4
T T SPEED	30
UG. CABLE	

007

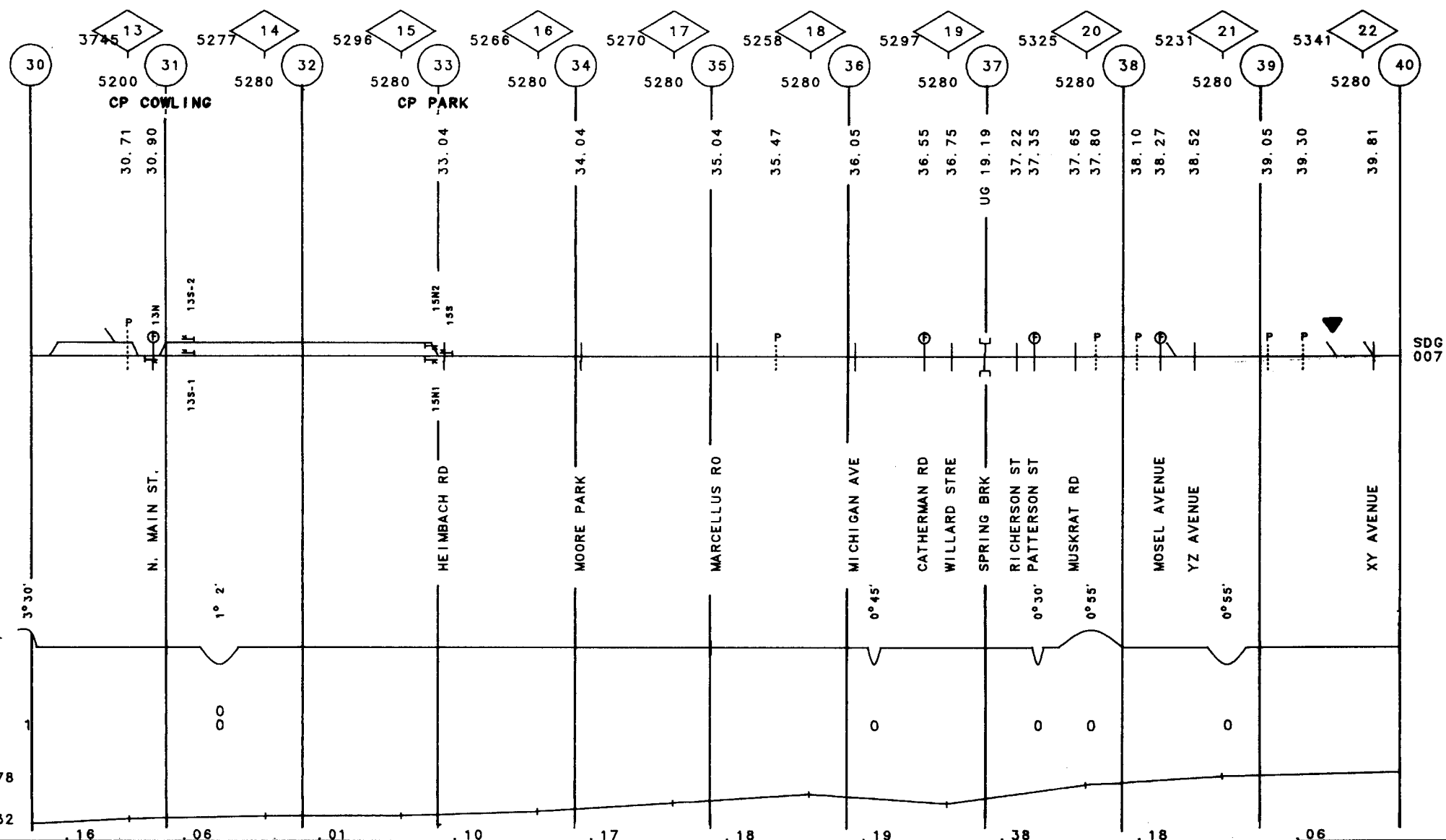
VALUATION
TOWN

V2450
THREE RIVERS

FACILITY



007



GRINDING		82	
SURFACING	80E	78	787
TIES			
UNDERCUTTING			
RAIL	12F78	32-19	
RAIL CLEAN		82	
TONNAGE (MGT)		13.4	
T T SPEED		40	
UG. CABLE			

VALUATION
TOWN

FACILITY

DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

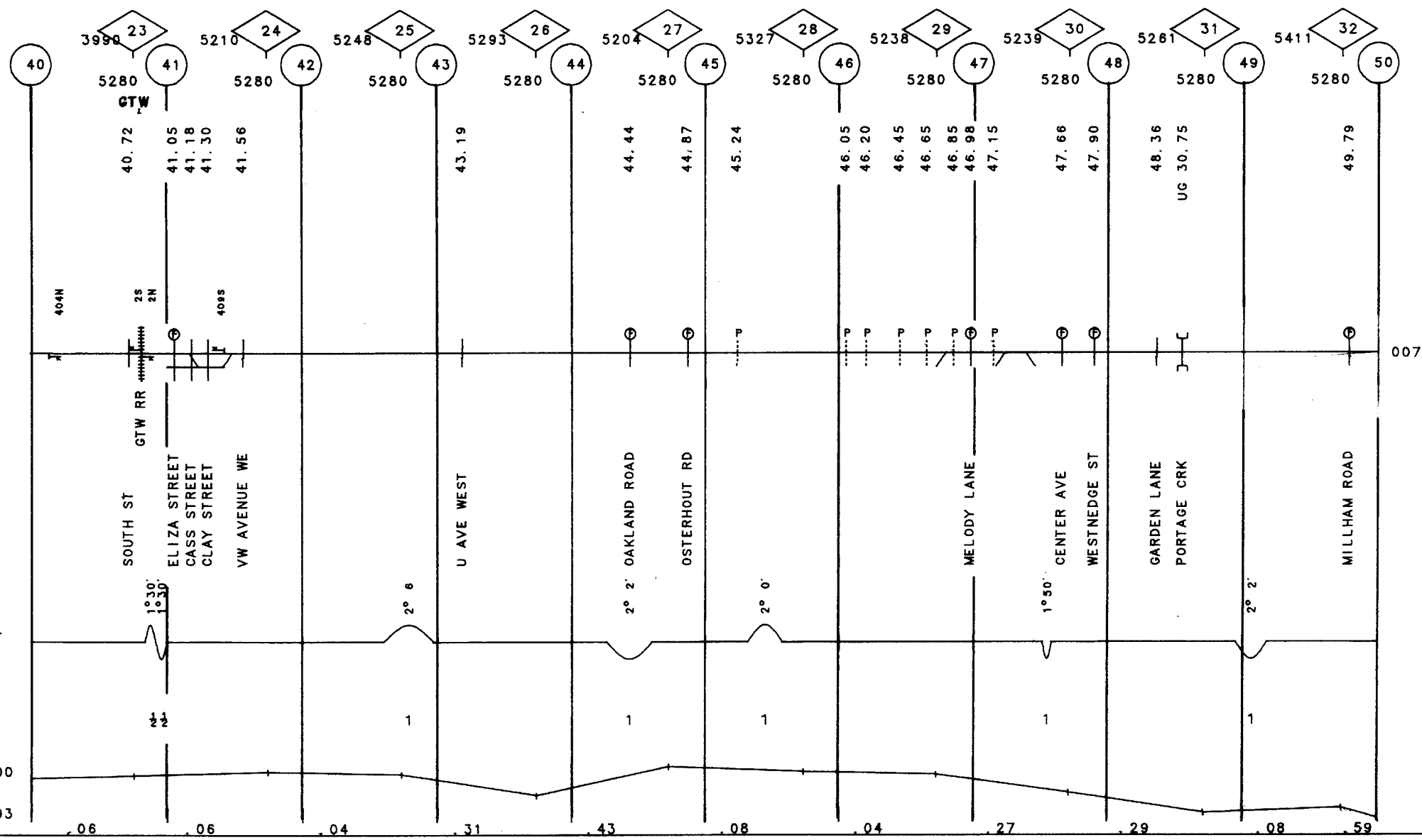
MAX ELEV 890.00
VERT. ALIGNMENT
MIN ELEV 850.93
GRADE

SCHOOLCRAFT

OAKLAND

V2450

PORTAGE



VALUATION
TOWN

FACILITY

DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

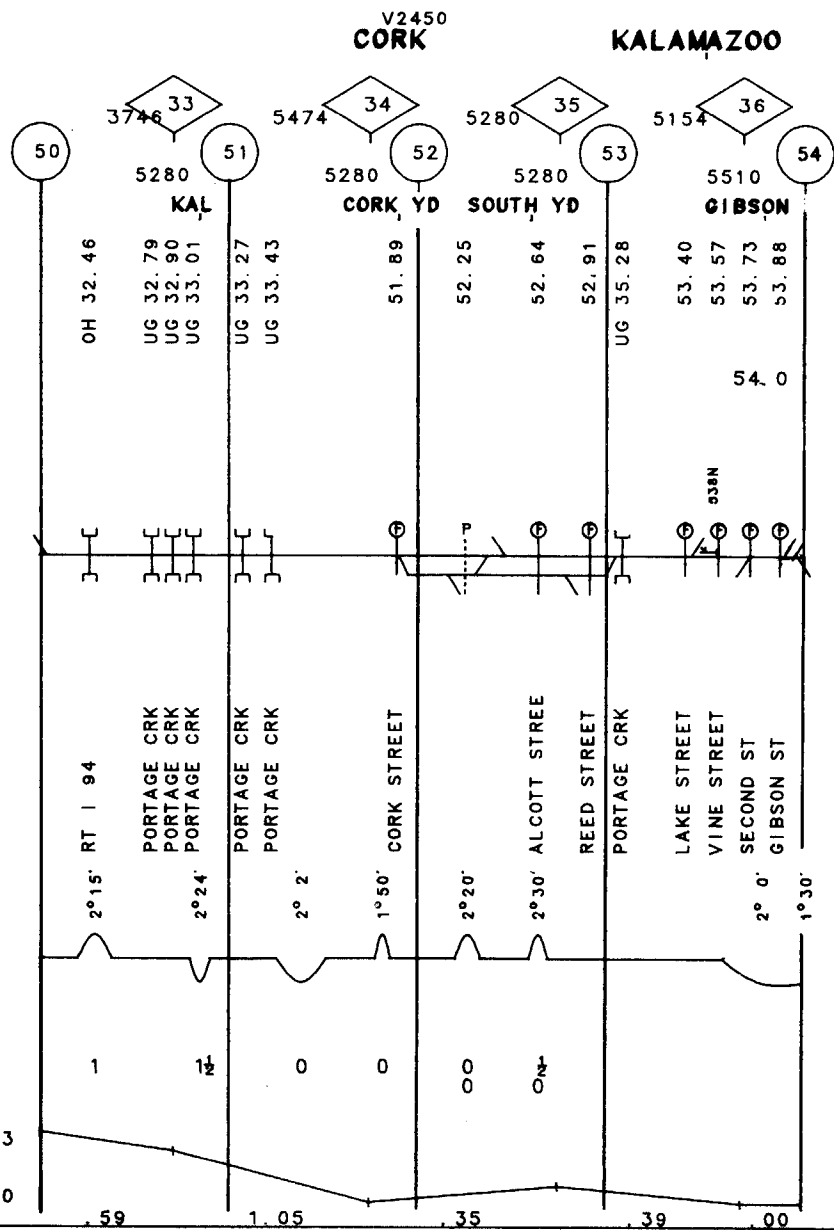
MAX ELEV 850.93
VERT. ALIGNMENT
MIN ELEV 770.00
GRADE

GRINDING	82	
SURFACING	79	
TIES	78	
UNDERCUTTING		
RAIL	32-79	
BAL. CLEAN	82	
TONNAGE(MGT)	13.4	13.7
T T SPEED	40	30
UG. CABLE		

007

GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL. CLEAN	
TONNAGE(MGT)	
T T SPEED	10
UG. CABLE	

SDG



007
SDG

[illegible]VALUATION
TOWN

V7265

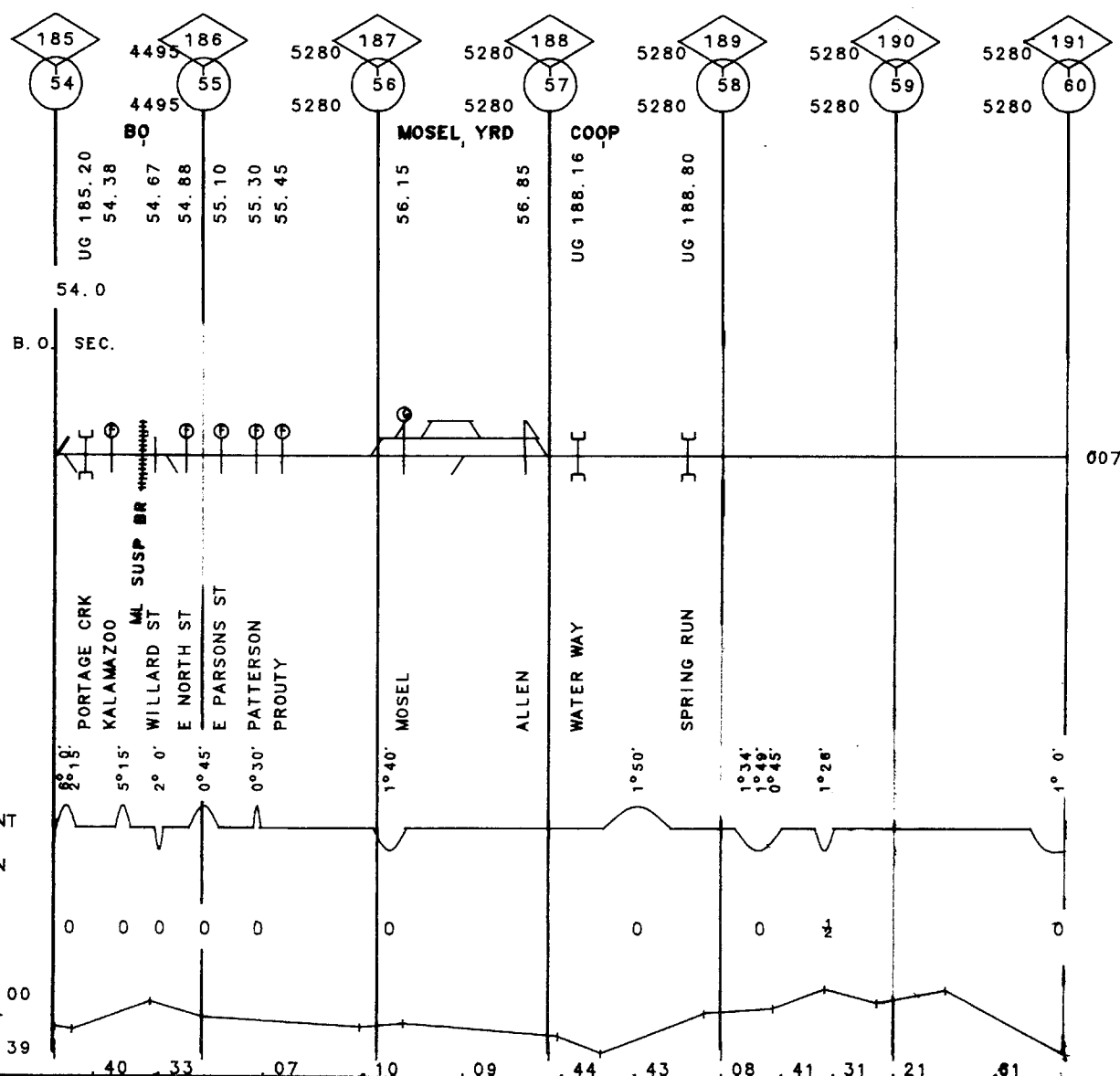
FACILITY

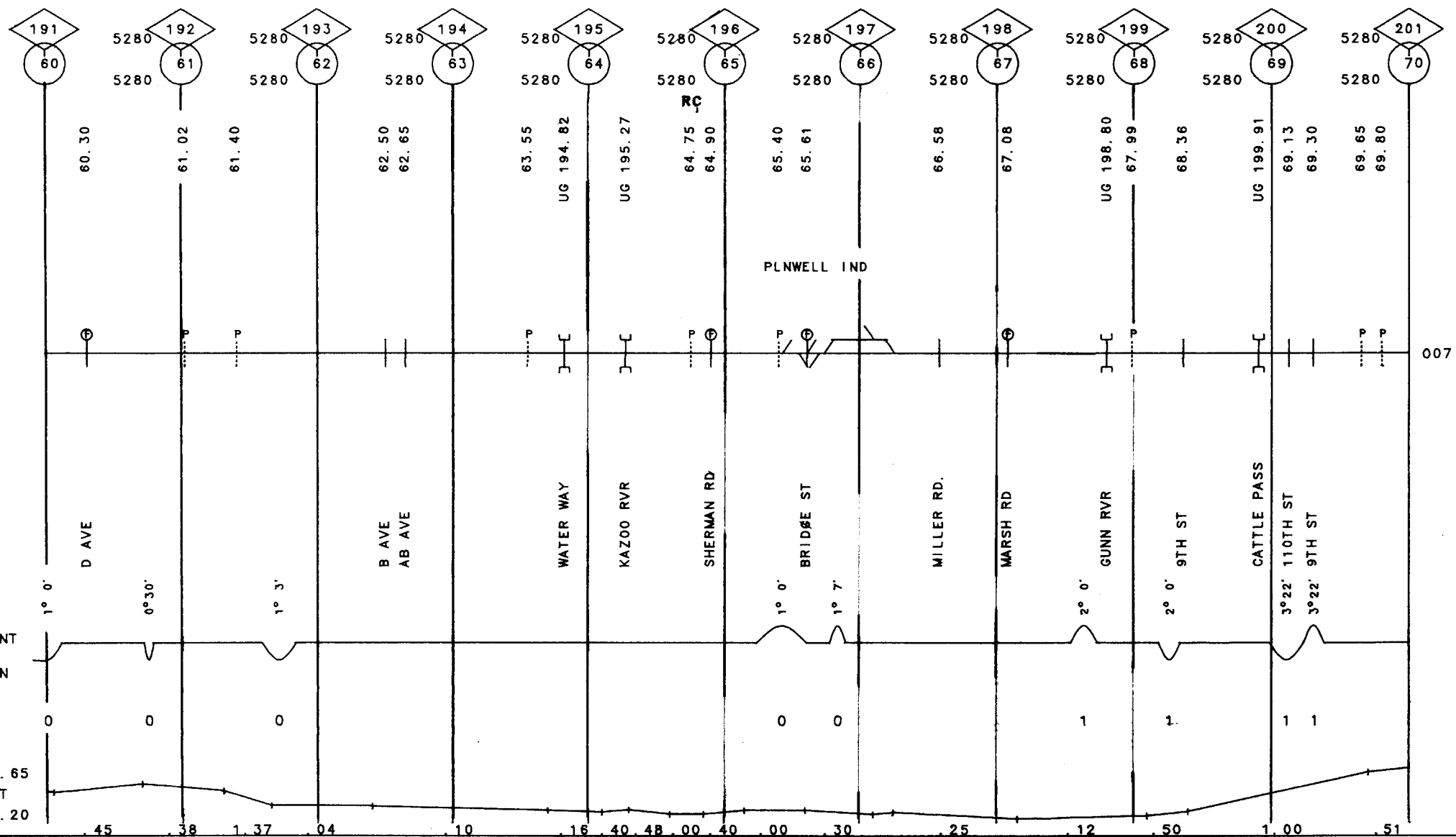
DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

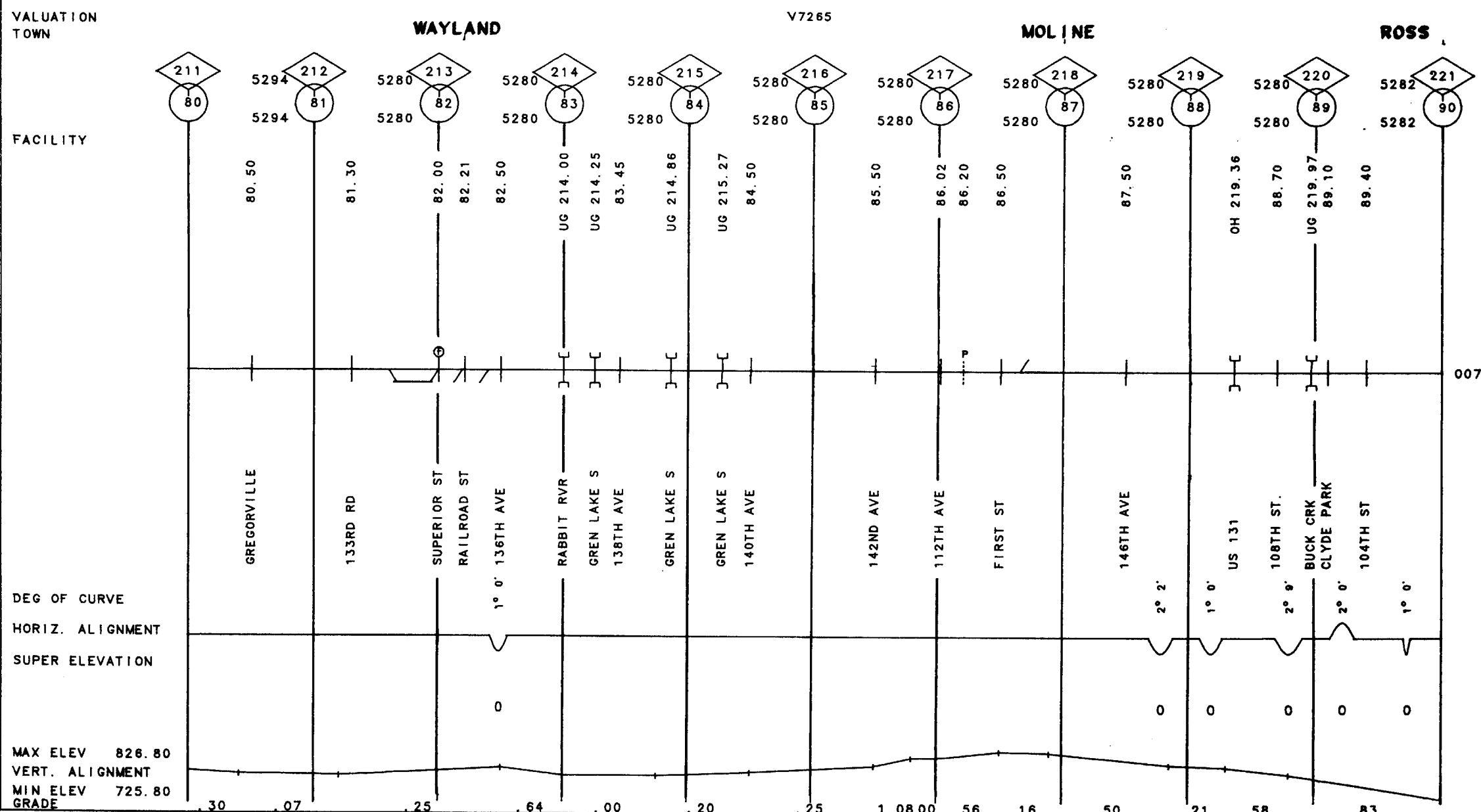
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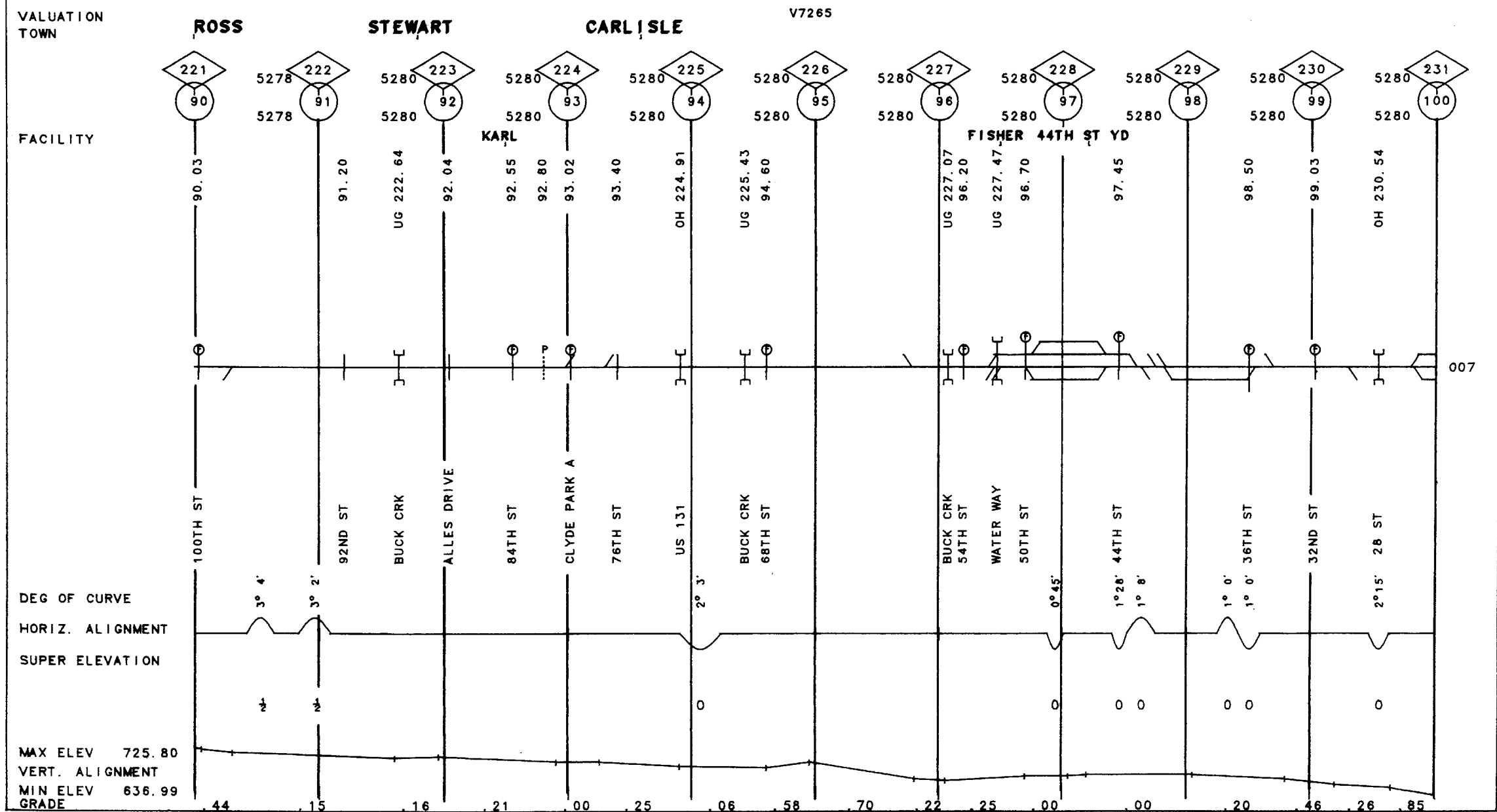
MAX ELEV      784.00
VERT. ALIGNMENT
MIN ELEV      761.39
GRADE

```



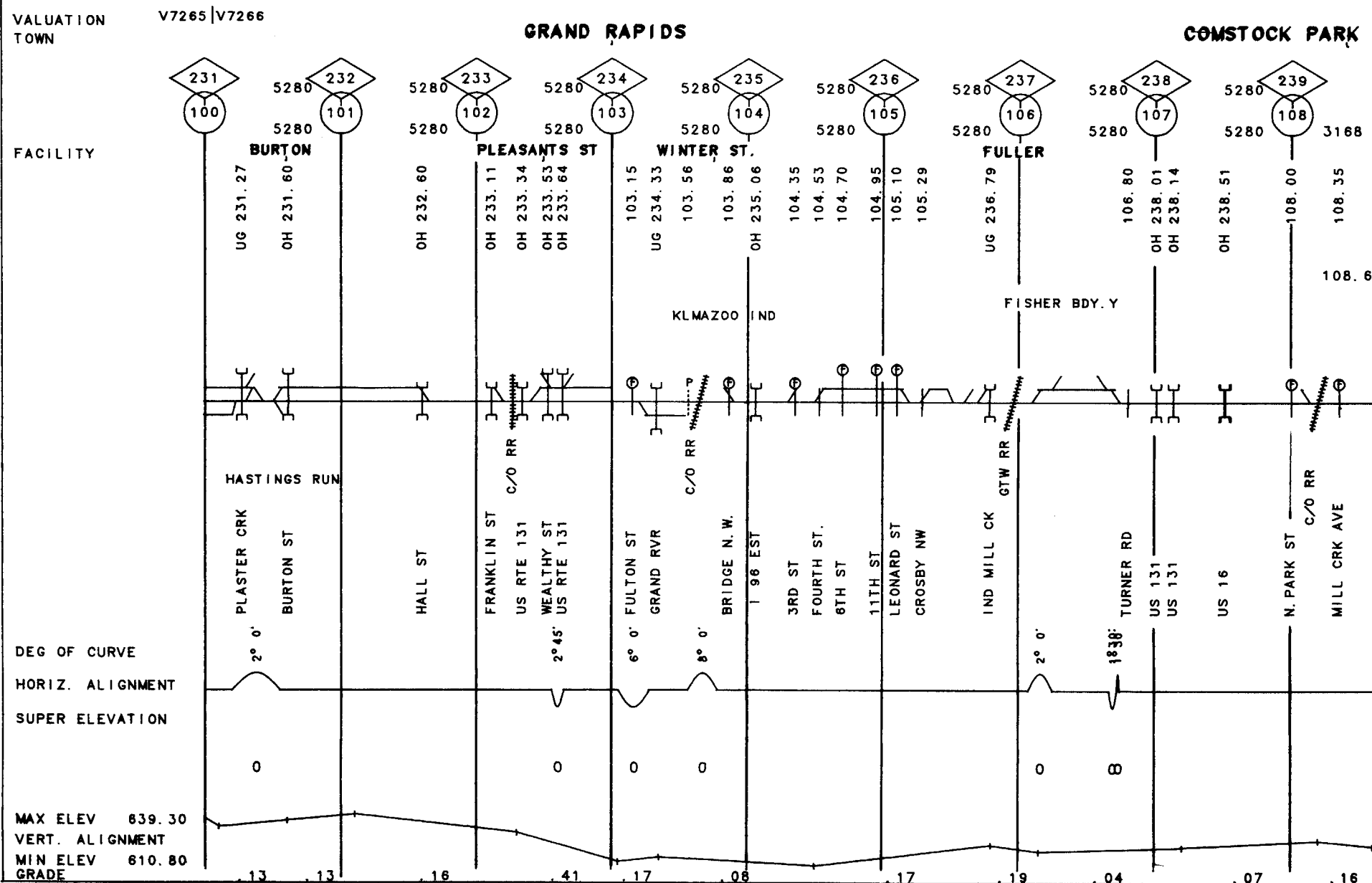


007

[illegible]

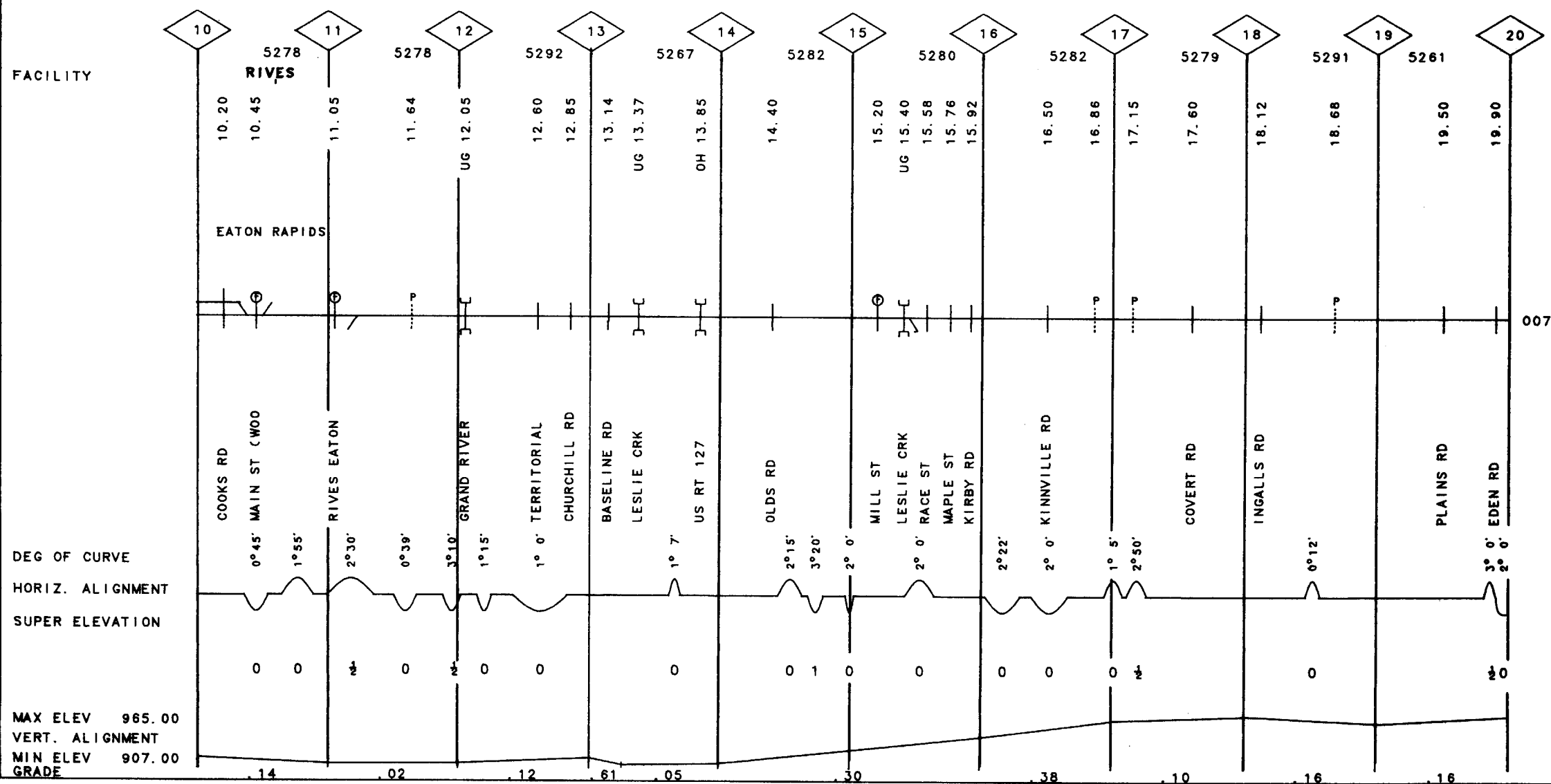
[illegible]

007



007

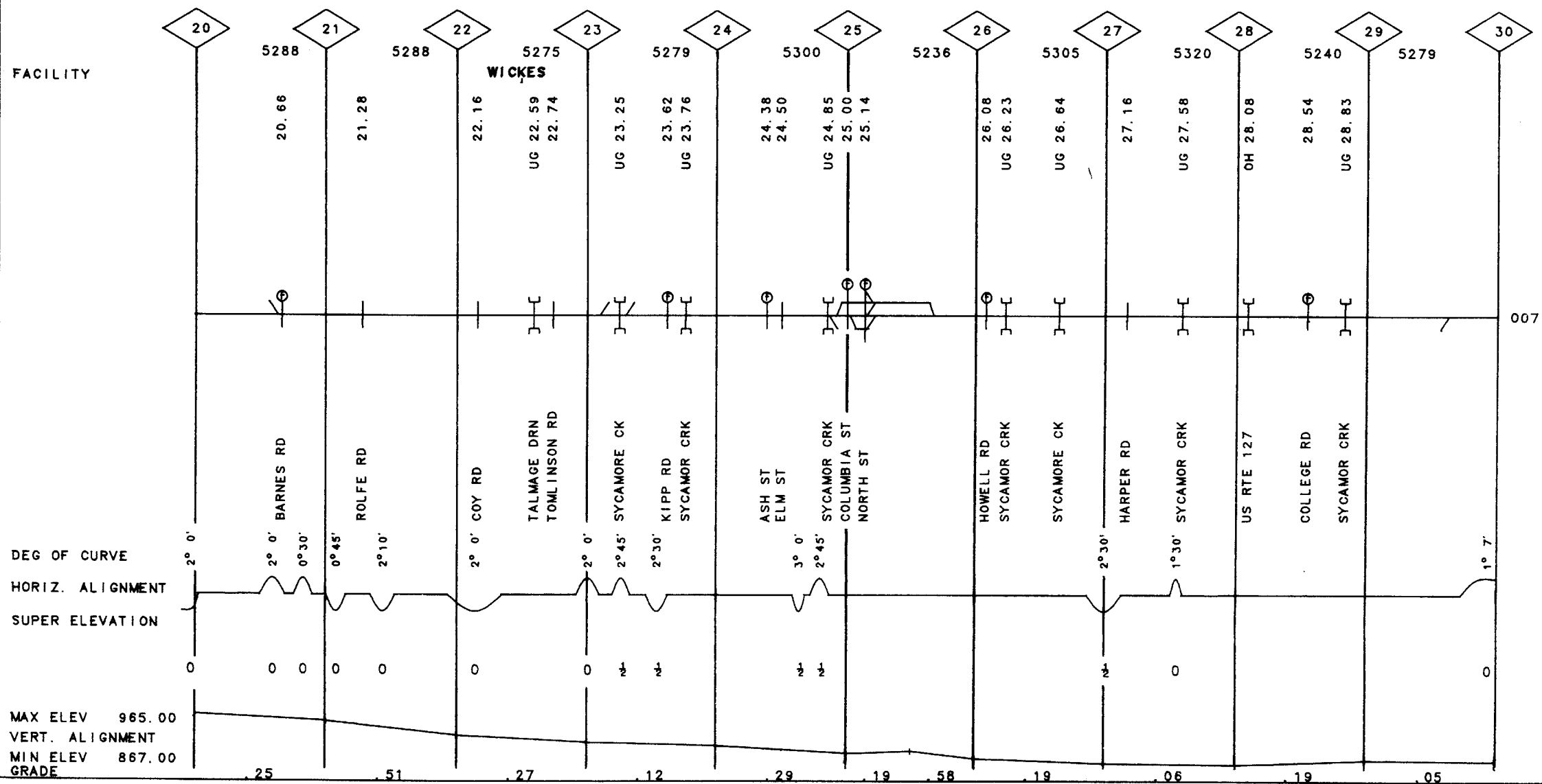
V4122
LESLIE



[illegible]

EDEN

V4122
MASON



VALUATION
TOWN

HOLT

V4122

LANSING

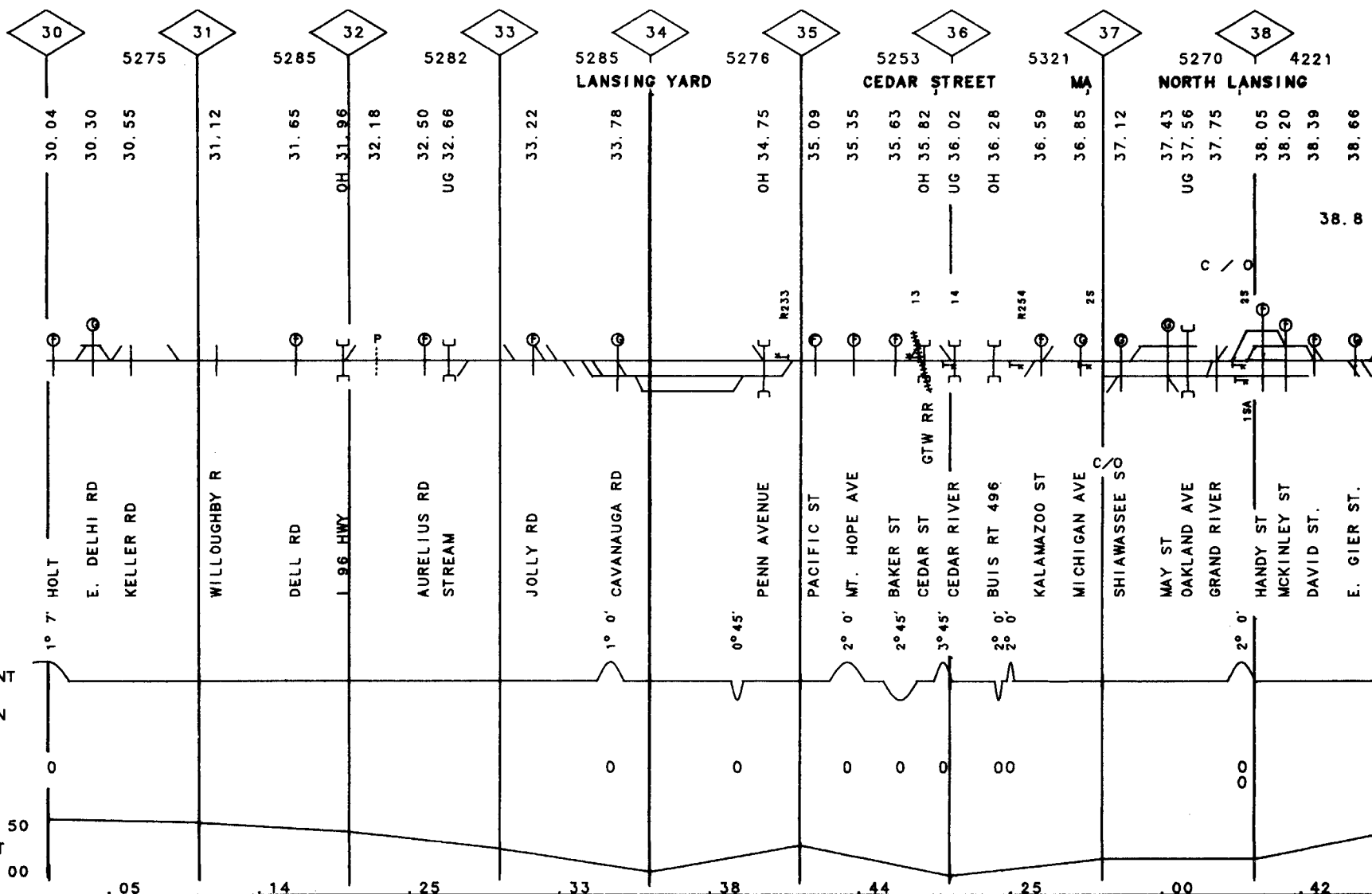
FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

SUPER ELEVATION

MAX ELEV 874.50
VERT. ALIGNMENT
MIN ELEV 832.00
GRADE



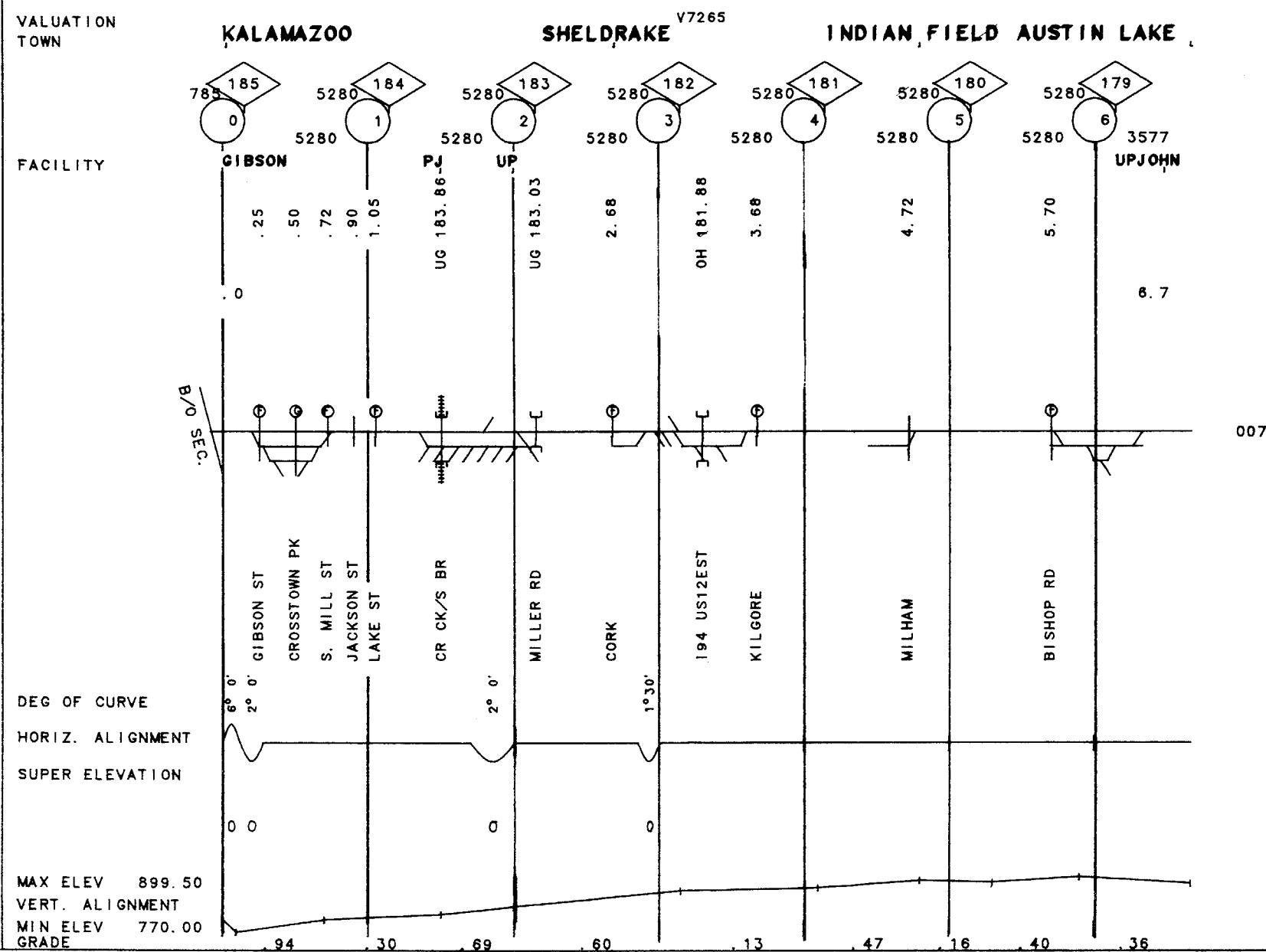
GRINDING						007	002	002	007
SURFACING									
TIES									
UNDERCUTTING									
RAIL									
BAL CLEAN									
TONNAGE (MGT)									
T T SPEED									
UG. CABLE									

GRINDING									
SURFACING									
TIES									
UNDERCUTTING									
RAIL									
BAL CLEAN									
TONNAGE (MGT)									
T T SPEED									
UG. CABLE									

007

001

007
001

[illegible]

[illegible]

007

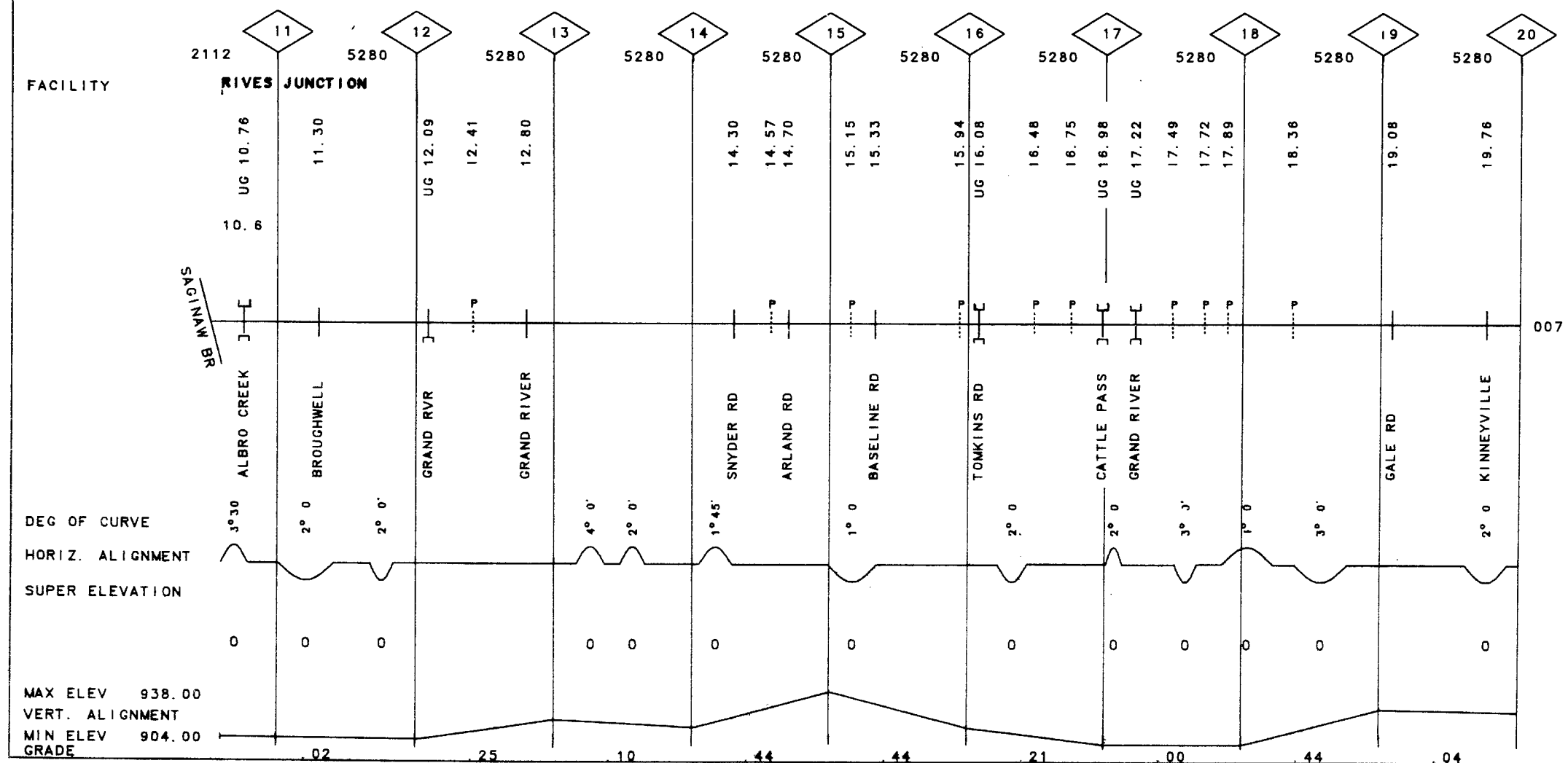
GRAND RAPIDS

GRINDING							
SURFACING	66J		64J			59	
TIES	66		64			59	
UNDERCUTTING							
RAIL	05-27	05-44	05-28	05-27		05-28	
BAL. CLEAN							
TONNAGE (MGT)							
TY SPEED			10				
UG. CABLE							

VALUATION
TOWN

V4160

ONONDAGA



GRINDING	
SURFACING	64J
TIES	64
UNDERCUTTING	
RAIL	05-28
BAL. CLEAN	
TONNAGE (MGT)	
T Y SPEED	10
UG. CABLE	

007

VALUATION
TOWN

V4160

EATON RAPIDS

FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

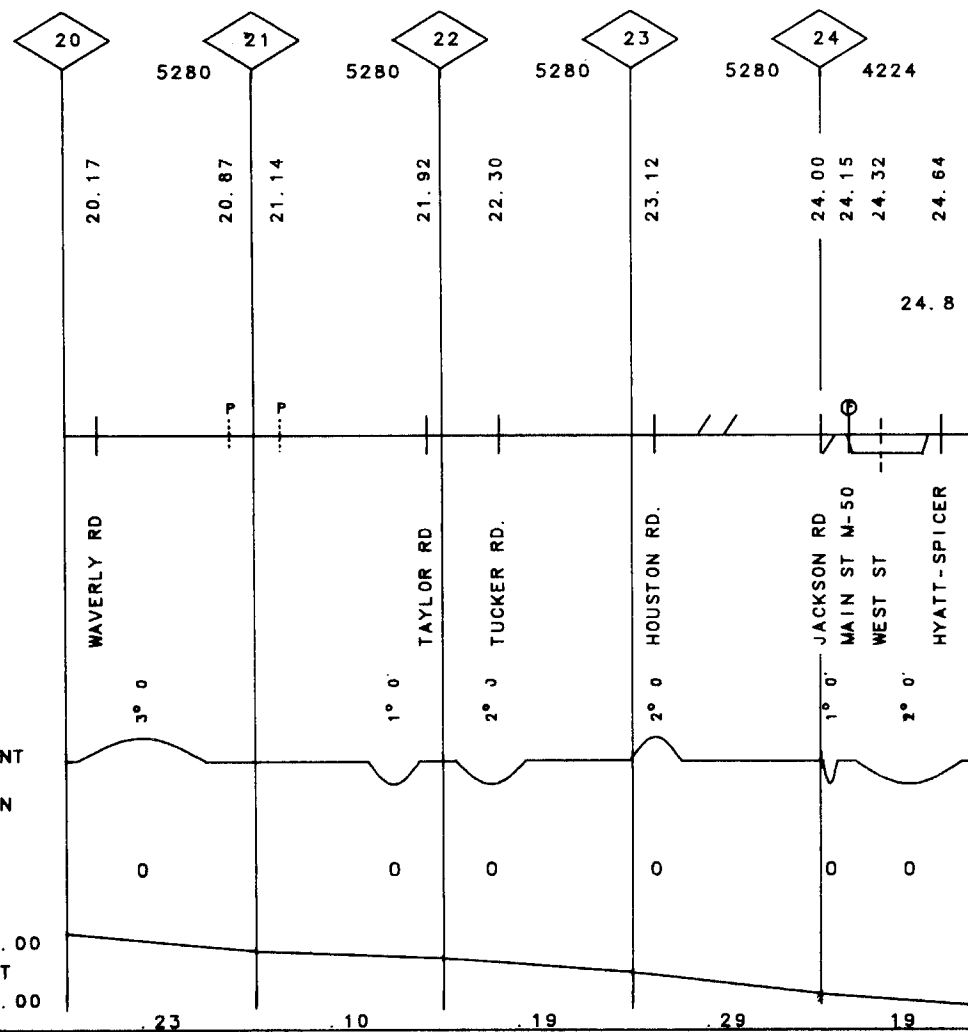
SUPER ELEVATION

MAX ELEV 927.00

VERT. ALIGNMENT

MIN ELEV 877.00

GRADE



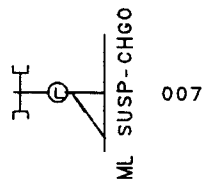
GRINDING	
SURFACING	
TIES	78
UNDERCUTTING	
RAIL	///
BAL. CLEAN	
TONNAGE (MGY)	
T T SPEED	10
UG. CABLE	

007

VALUATION V2450
TOWN

FACILITY BO

UG 36.33
.05



DEG OF CURVE 1°30' PORTAGE CRK
HORIZ. ALIGNMENT 8°38' 50' 15"
SUPER ELEVATION 0 000

MAX ELEV 771.02
VERT. ALIGNMENT
MIN ELEV 770.02
GRADE .00

	007	007				
GRINDING						
SURFACING						
TIES						
UNDERCUTTING						
RAIL						
BAL. CLEAN						
TONNAGE (MGY)						
T T SPEED	10		0.2			
UG. CABLE			10			

007

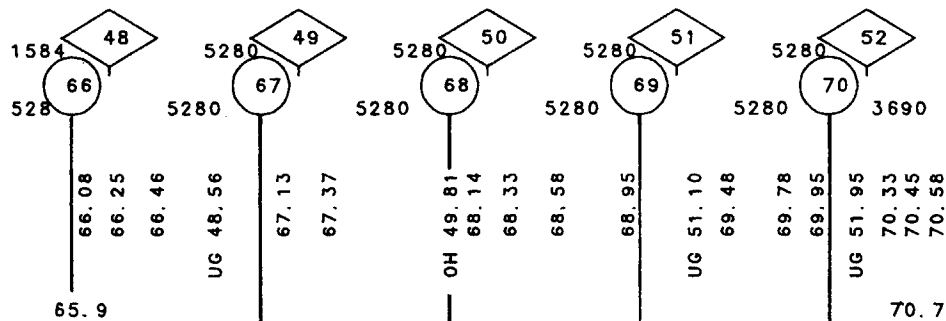
VALUATION
TOWN

PLAINWELL

V2460

OTSEGO

FACILITY



007

DEG OF CURVE

HORIZ. ALIGNMENT

SUPER ELEVATION

MAX ELEV 748.00
VERT. ALIGNMENT
MIN ELEV 710.00
GRADE

.08 .04 .20 .52 .14 .91

GRINDING	
SURFACING	
TIES	52
UNDERCUTTING	57
RAIL	00-15 05-26 05-29
BAL. CLEAN	
TONNAGE (MGT)	
T. T. SPEED	10
UG. CABLE	

007

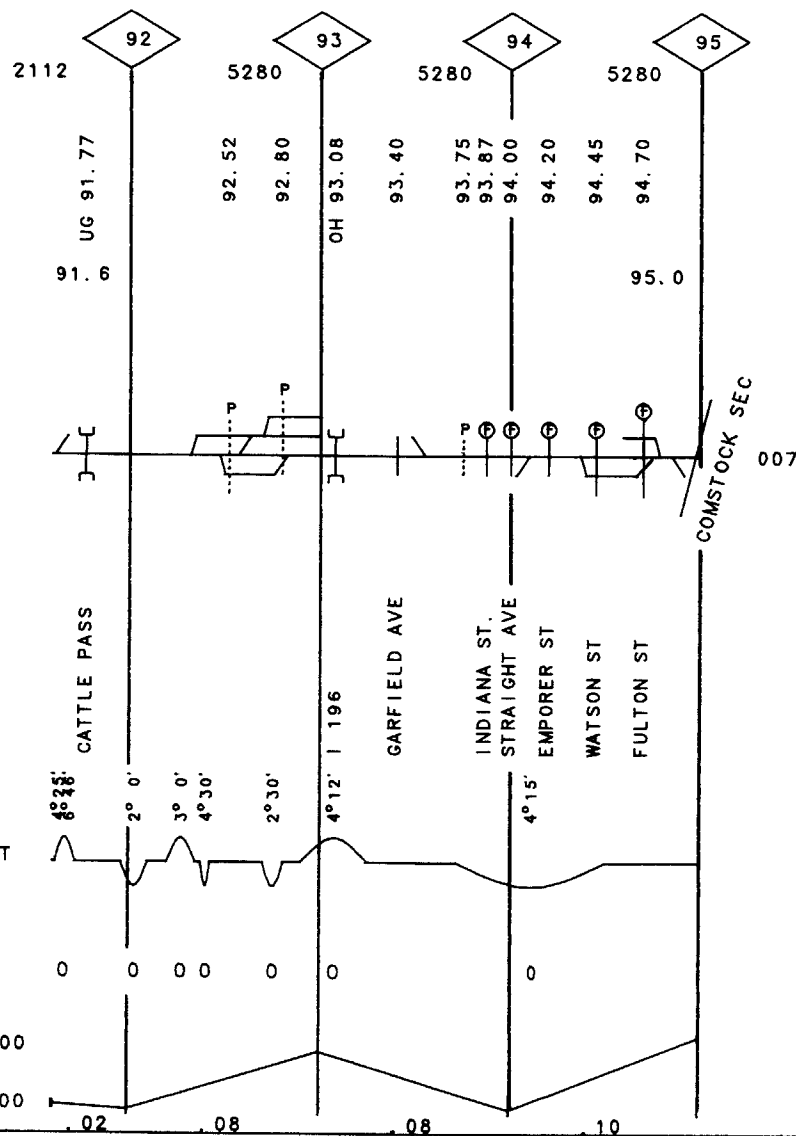
VALUATION
TOWN

EAGLE MILLS

V2460

GRAND RAPIDS

FACILITY



DEG OF CURVE

HORIZ. ALIGNMENT

SUPER ELEVATION

MAX ELEV 603.00

VERT. ALIGNMENT

MIN ELEV 598.00

GRADE

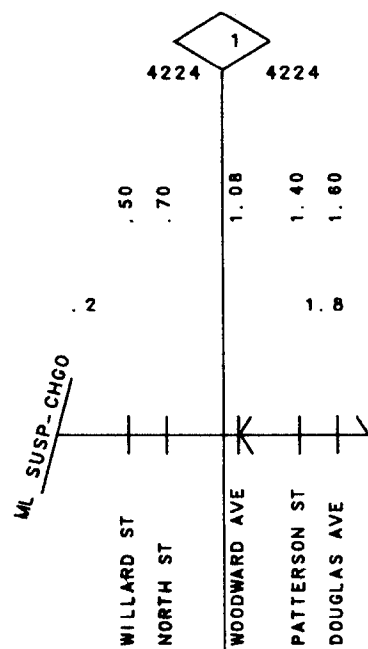
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	00F42
BAL. CLEAN	
TONNAGE (MGT)	
TY SPEED	10
UG. CABLE	

007

VALUATION
TOWN

V4190
KALAMAZOO

FACILITY



007

DEG OF CURVE



HORIZ. ALIGNMENT



SUPER ELEVATION



0 0 0

MAX ELEV 821.90
VERT. ALIGNMENT
MIN ELEV 783.00
GRADE



GRINDING		007	007
SURFACING	79E	73	73E
FLIES	79	48	48
UNDERCUTTING			
RAIL	00---	05---	00-- 05---
BAL. CLEAN			
TONNAGE (MGT)			
T. T. SPEED	10		
UG. CABLE		10	

007

VALUATION
TOWN

PARCHMENT

V4290
KALAMAZOO

FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

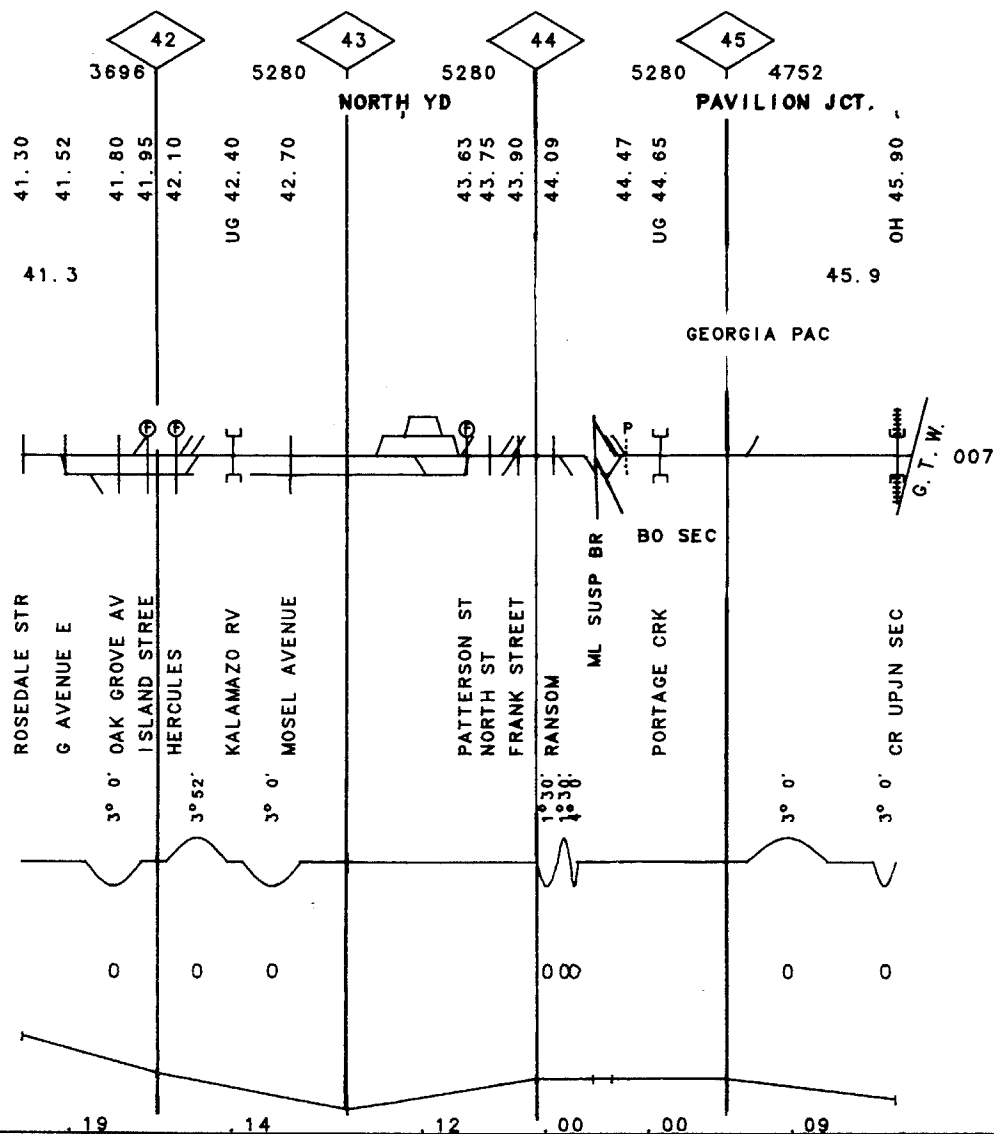
SUPER ELEVATION

MAX ELEV 775.00

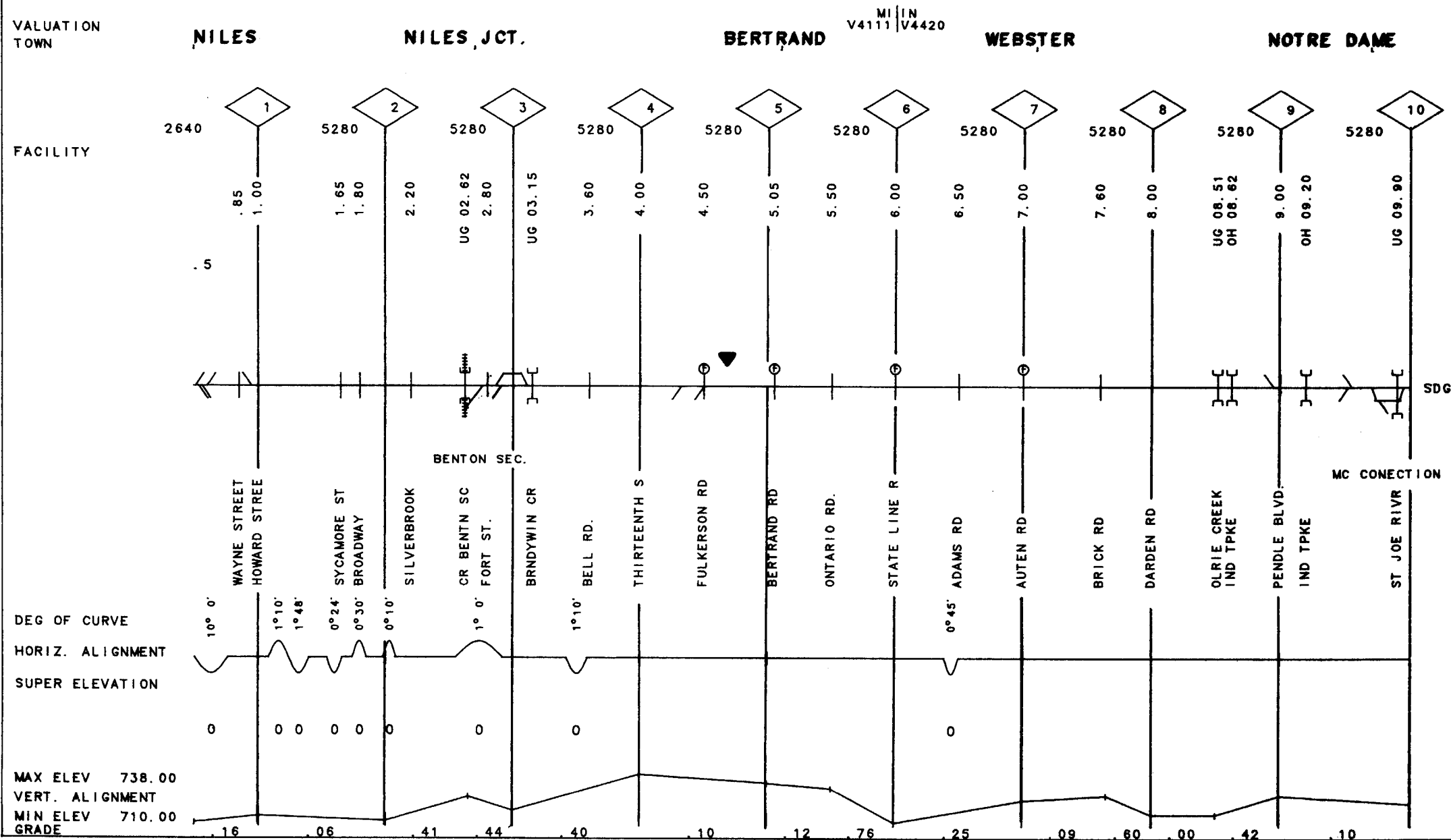
VERT. ALIGNMENT

MIN ELEV 781.00

GRADE



39-5346

SDG007

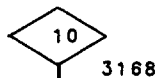
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	00F27
BAL. CLEAN	
TONNAGE (MGY)	
TY SPEED	10
UG. CABLE	

007

VALUATION
TOWN

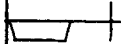
V4420

FACILITY



10.55

10.6



007

W. ANGELA BL

1°45'

DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

0

MAX ELEV 722.00
VERT. ALIGNMENT
MIN ELEV 721.00
GRADE

.00

VALUATION
TOWN

FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

SUPER ELEVATION

MAX ELEV 727.00
VERT. ALIGNMENT
MIN ELEV 585.00
GRADE

BENTON HARBOR

NAPIER

V5470

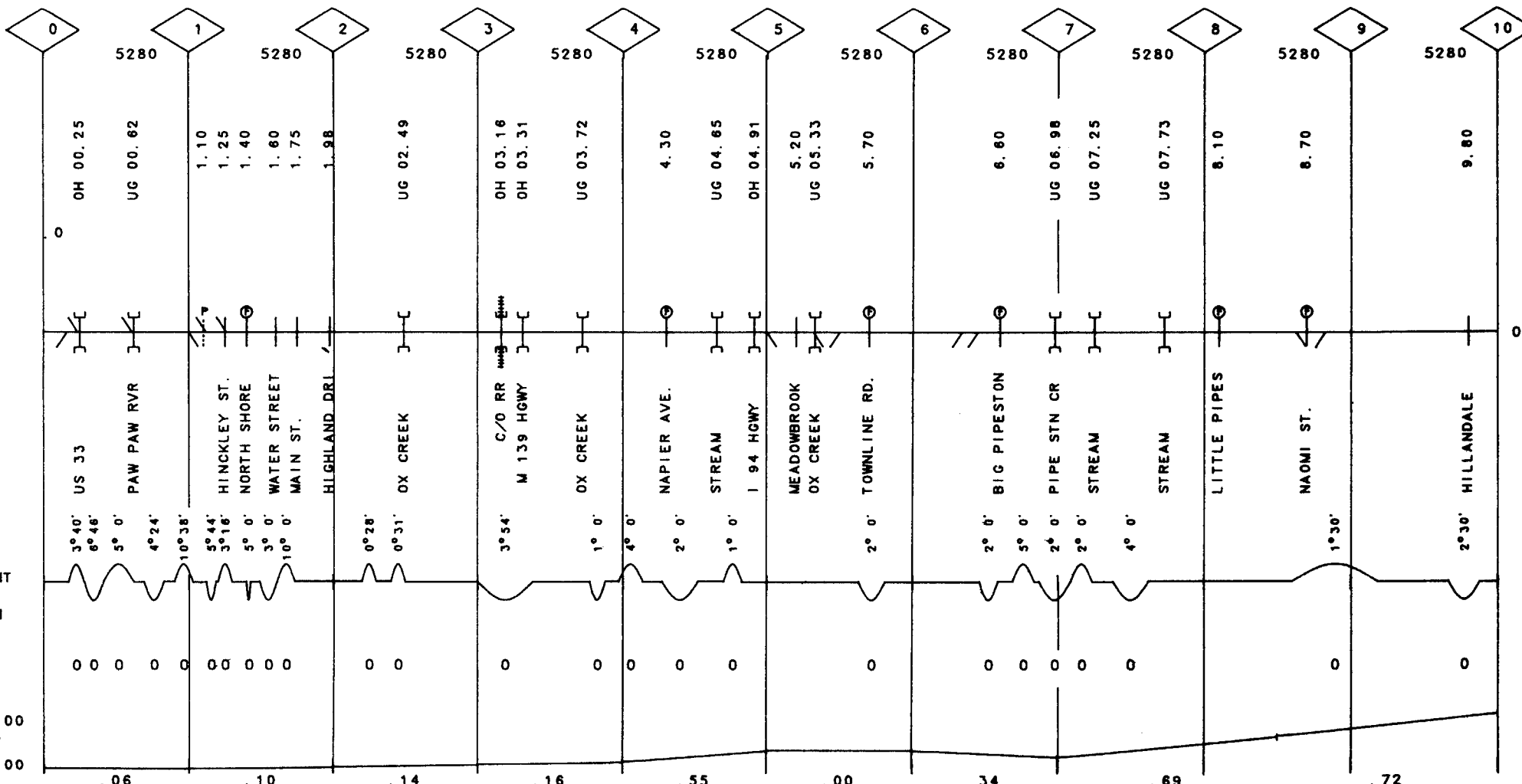
CLARK

SODUS

GRINDING										
SURFACING										
TIES										
UNDERCUTTING										
RAIL	05	80-05		90F23	27F56	90F23	27F53	90-21	90F23	
BAL CLEAN										
TONNAGE (MGT)										
Y Y SPEED										
UG. CABLE										

007

007



GRINDING	
SURFACING	
TIES	57
UNDERCUTTING	57P
RAIL	48
BAL CLEAN	57P
TONNAGE (MGT)	57
T T SPEED	90F23
UG. CABLE	0.0
	10

007

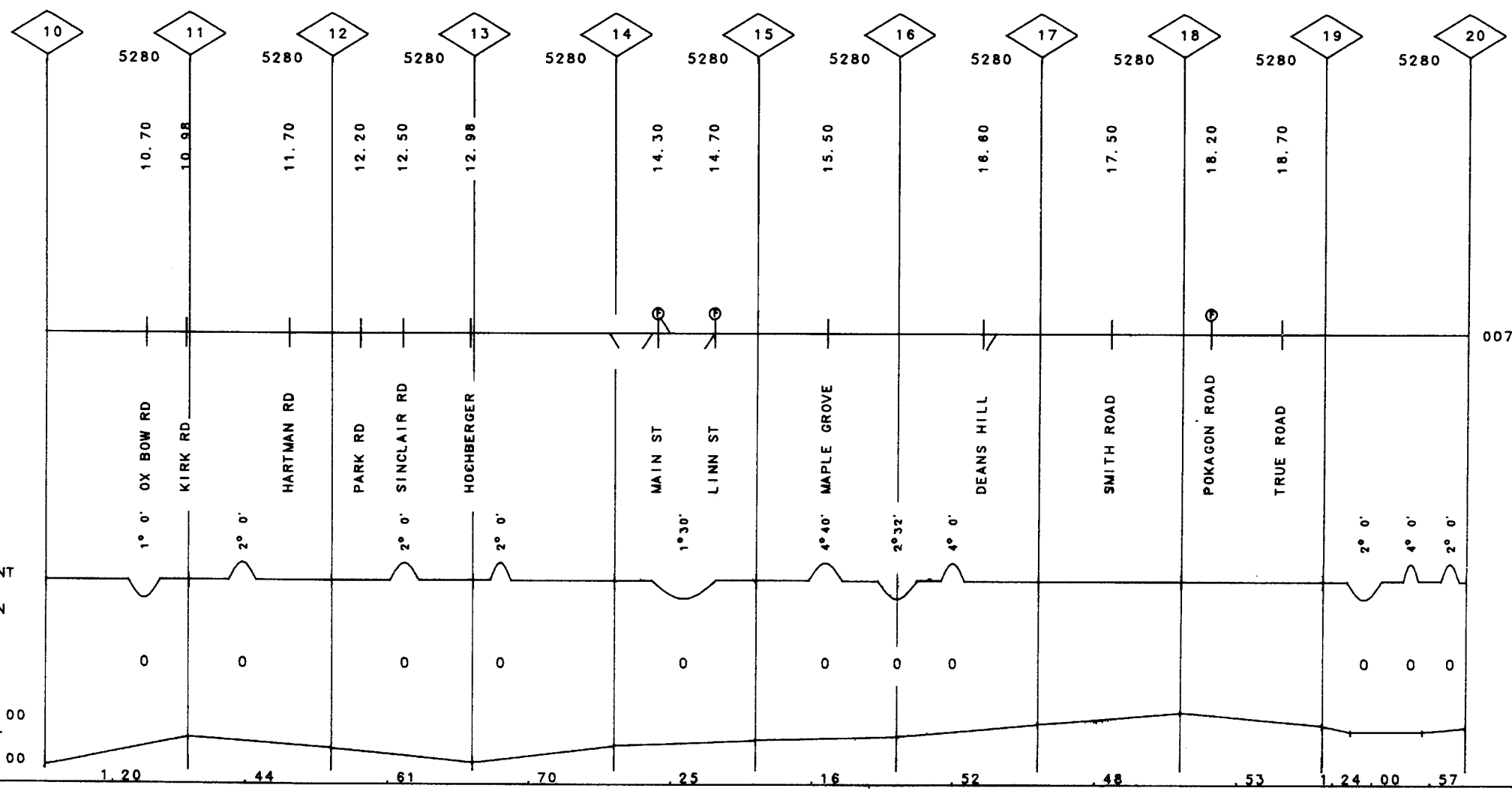
VALUATION
TOWN

EAU CLAIRE V5470
BERRIEN CENTER

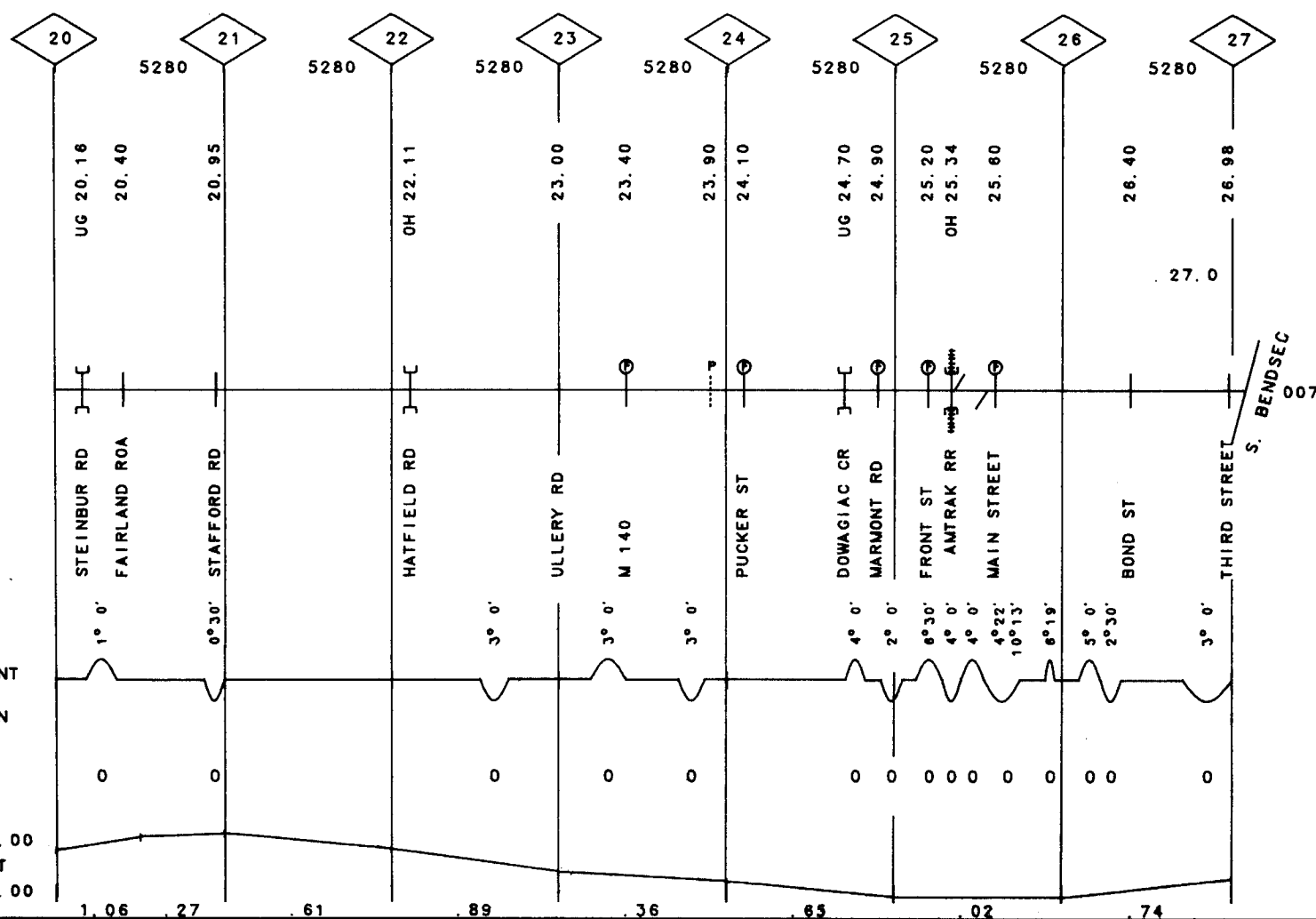
FACILITY

DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

MAX ELEV 788.00
VERT. ALIGNMENT
MIN ELEV 670.00
GRADE



007

007

S. BENDSEC 007

GRINDING			
SURFACING		82	
TIES		82	
UNDERCUTTING			
RAIL		80-19	80-18
BAL. CLEAN			
TONNAGE (MGT)			
T T SPEED		10	
UG. CABLE			

007

VALUATION
TOWN

JACKSON

V5520

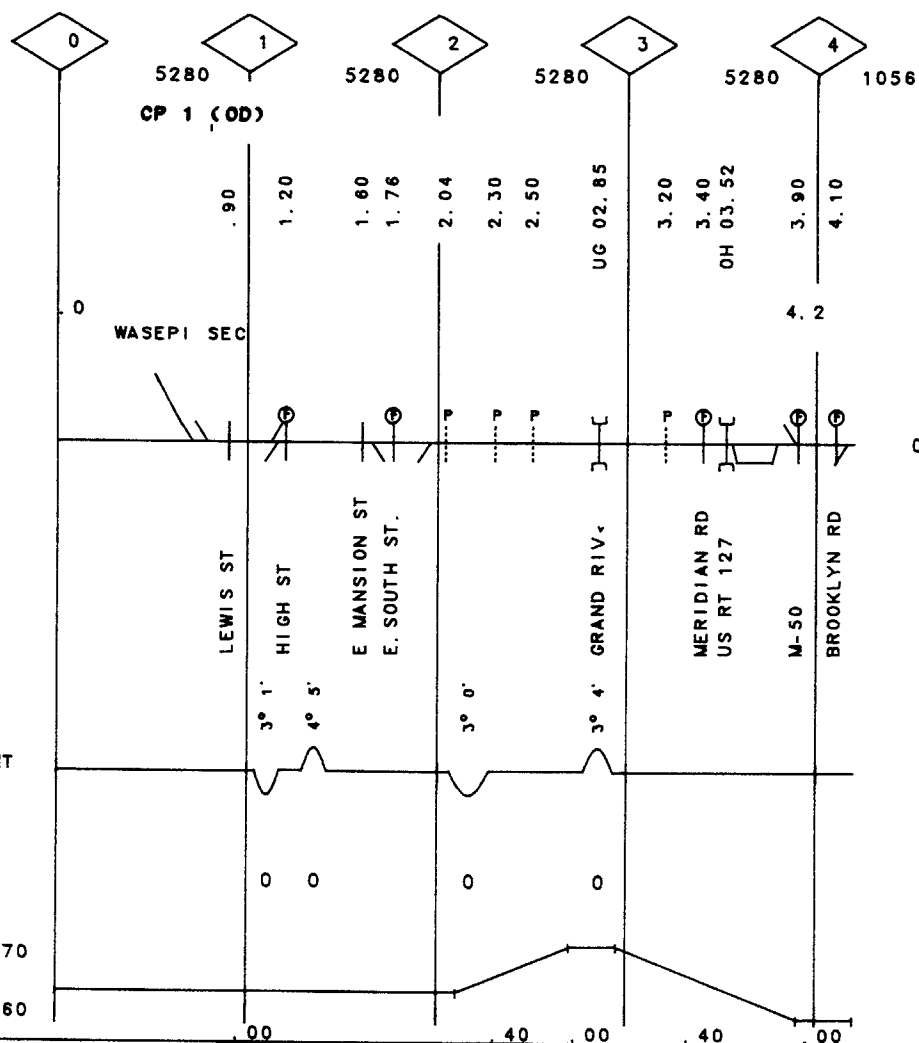
FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

SUPER ELEVATION

MAX ELEV 812.70
VERT. ALIGNMENT
MIN ELEV 792.60
GRADE



007

GRINDING	007
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL. CLEAN	
TONNAGE (MGT)	
T T SPEED	10
UG. CABLE	

007
10

007

VALUATION
TOWN

V2410
CEDAR RIVER LANSING NORTH LANSING

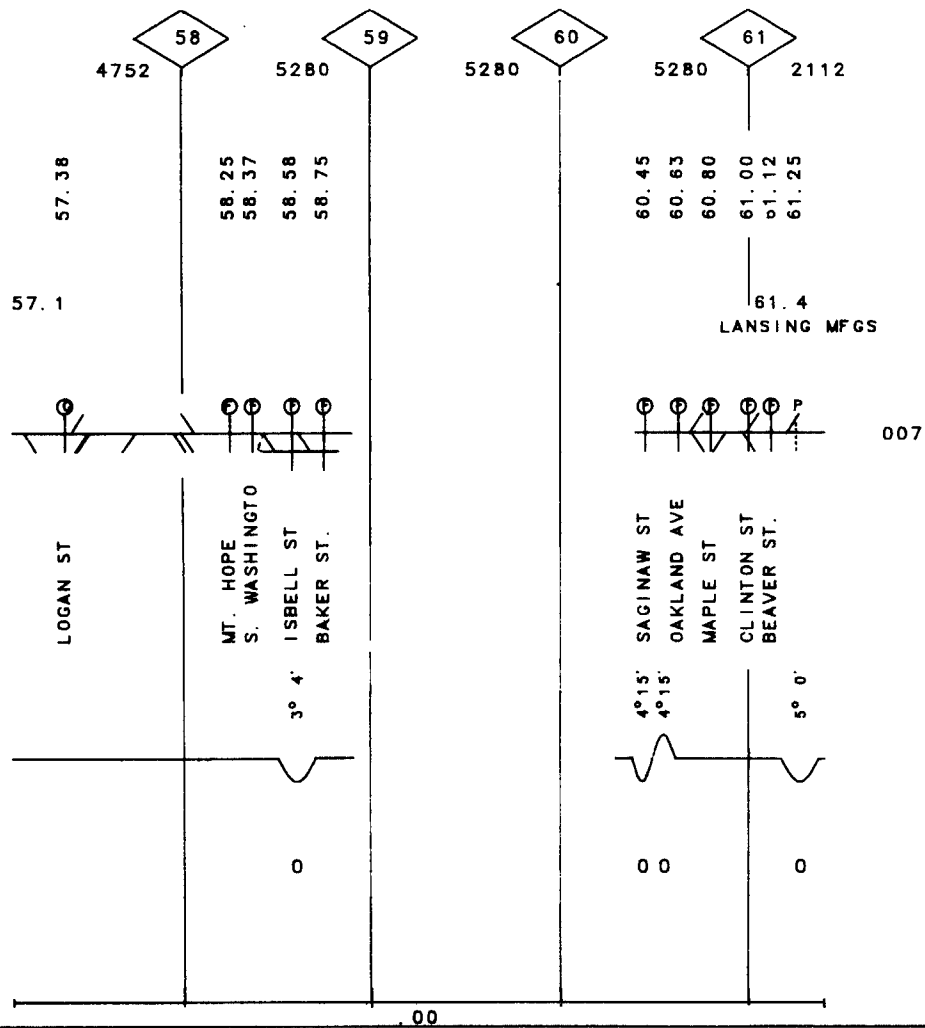
FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

SUPER ELEVATION

MAX ELEV 801.00
VERT. ALIGNMENT
MIN ELEV 800.00
GRADE



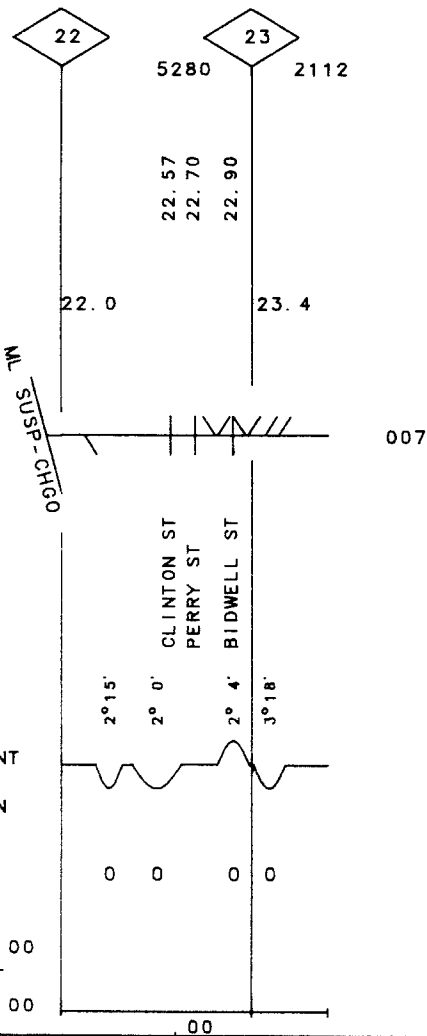
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL. CLEAN	
TONNAGE (MGT)	
T T SPEED	10
UG. CABLE	

007

VALUATION
TOWN

V2410
ALBION

FACILITY



007

DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

MAX ELEV 801.00
VERT. ALIGNMENT
MIN ELEV 800.00
GRADE

VALUATION
TOWN

FACILITY

DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

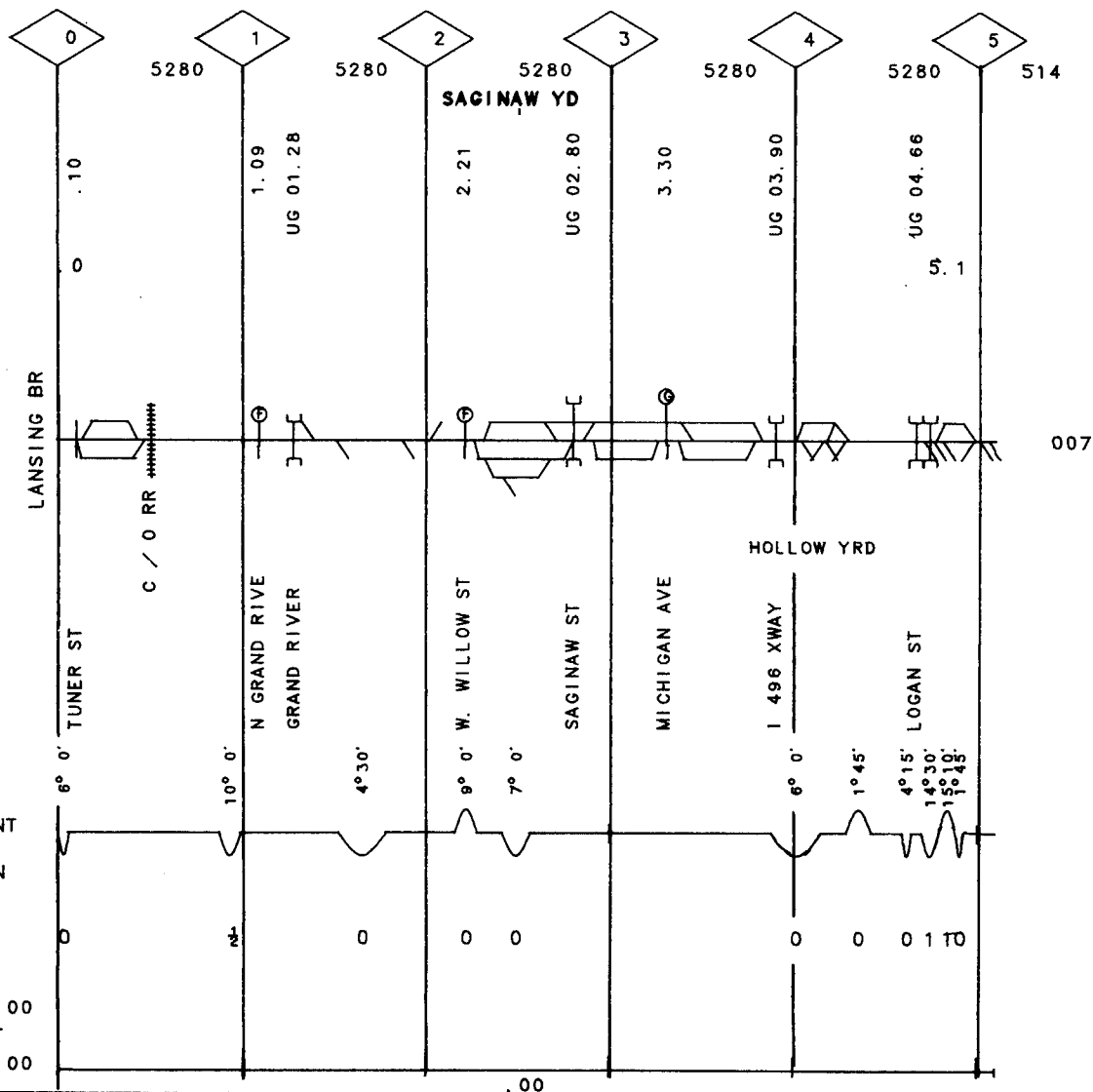
MAX ELEV 801.00
VERT. ALIGNMENT
MIN ELEV 800.00
GRADE

GRINDING					
SURFACING					
TIES	80	82	79	82	
UNDERCUTTING			79		
RAIL					
BAL CLEAN					
TONNAGE (MGT)	0.8				
T T SPEED		15			
UG. CABLE					

007

LANSING

V4140



007

GRINDING	
SURFACING	53H
TIES	
UNDERCUTTING	
RAIL	85-10
BAL CLEAN	
TONNAGE (MGT)	
T T SPEED	10
UG. CABLE	

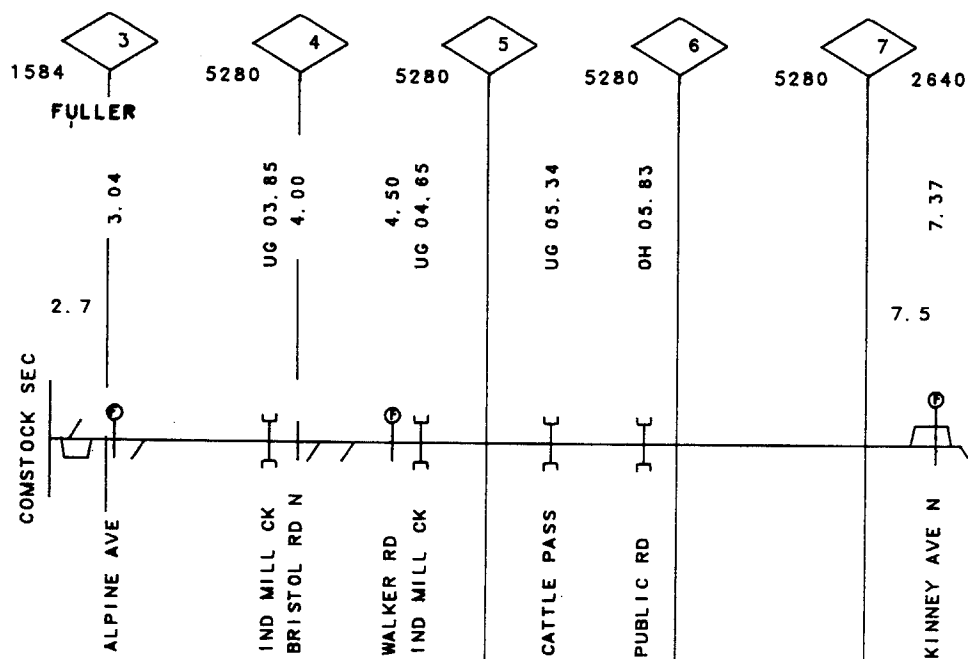
007

VALUATION
TOWN

V7289

KINNEY

FACILITY



007

DEG OF CURVE
HORIZ. ALIGNMENT
SUPER ELEVATION

MAX ELEV 953.30
VERT. ALIGNMENT
MIN ELEV 798.80
GRADE