



MAINTENANCE PROGRAM  
AND

TRACK CHART

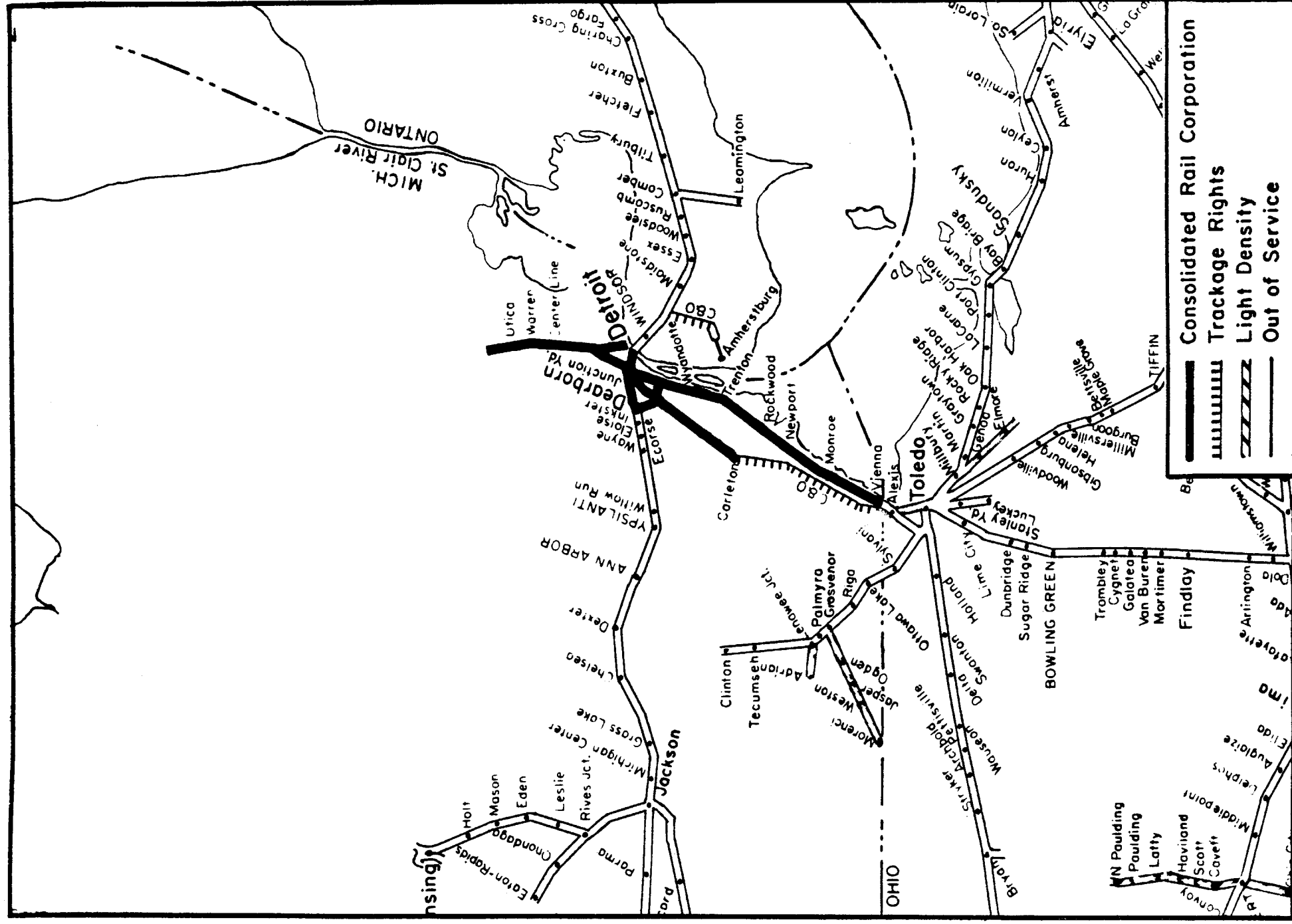
WESTERN REGION  
DETROIT DIVISION

1982



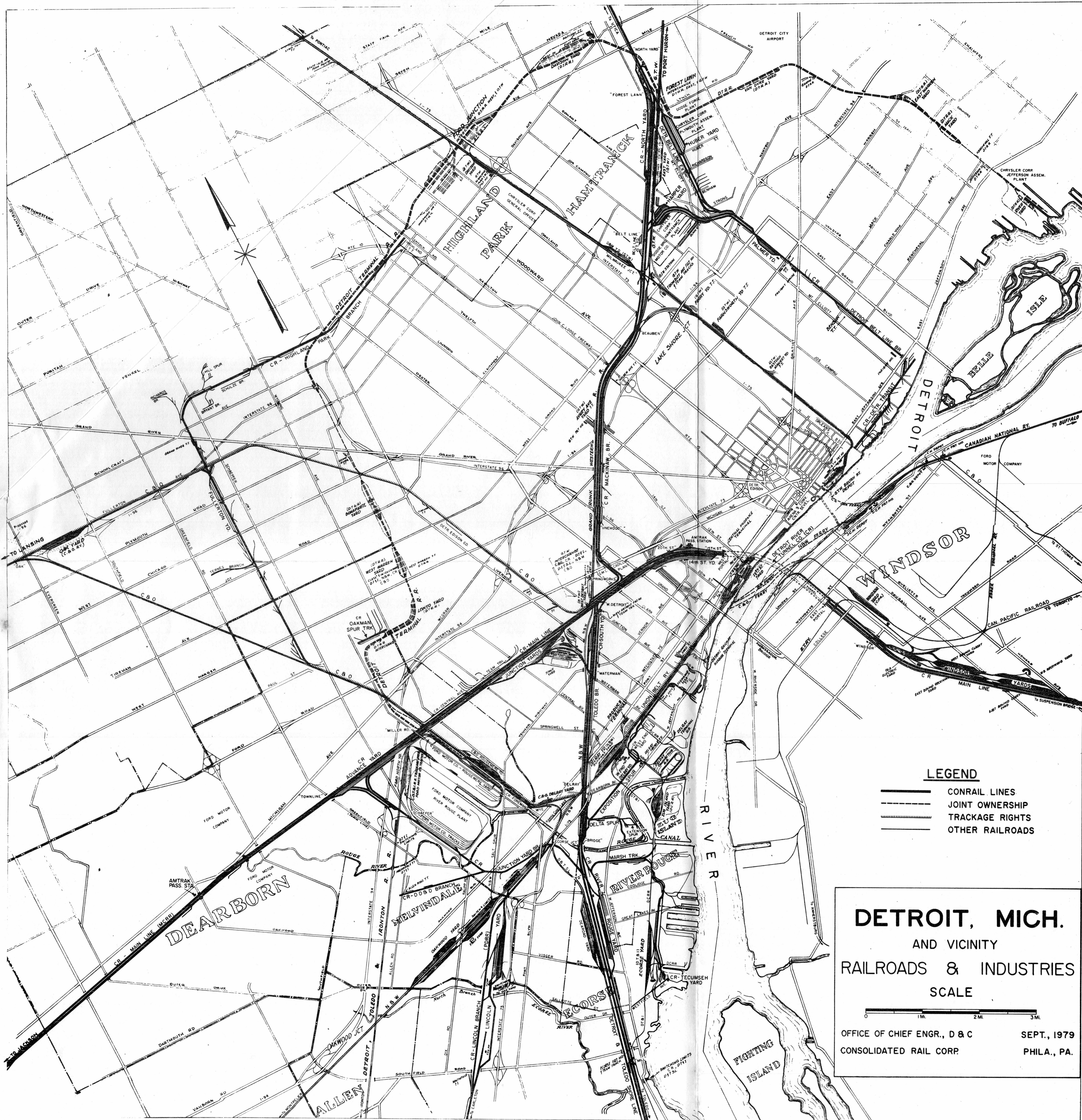


LINE NAME	BETWEEN	M. P. TO M. P.	CODE	STATE	PAGE
M. L. (SUSP. BR. & CHI.)	INTL BOUNDARY & TOWN LINE	0.2- 7.6	38-5204	MI	1- 1
OD&D BR.	DETROIT	0.0- 1.1	38-5249	MI	24- 24
DELTA SPUR	DETROIT (TOLEDO BR. & END)	0.0- 0.8	38-5250	MI	25- 25
DETROIT BELT LINE	DETROIT, MI.	0.0- 4.4	38-5245	MI	28- 28
DETROIT BELT LINE EXT.	DETROIT, MI.	0.0- 1.9	38-5246	MI	21- 21
DETROIT TERMINAL R. R.	DEARBORN & DETROIT	0.0- 19.2	38-5999	MI	19- 20
DETROIT TRANSIT	DETROIT, MI.	0.0- 1.3	38-5247	MI	22- 22
EXPOSITION SPUR	DETROIT (TOLEDO BR. & END)	0.0- 2.9	38-5251	MI	26- 26
FOREMAN WYE	DETROIT AT DELRAY	0.0- 1.2	38-5252	MI	29- 29
HIGHLAND PARK BR.	DEARBORN & HIGHLAND PARK	0.0- 7.6	38-5257	MI	18- 18
JUNCTION YD BR.	SCHAEFER TOWER & "YD"	0.0- 4.1	38-5231	MI	30- 30
LINCOLN BR.	CARLETON & ECORSE JCT.	116.4-136.4	38-5232	MI	12- 14
MACKINAW BR.	DETROIT & RAYS	2.1- 28.1	38-5233	MI	15- 17
MARSH TK.	DETROIT, MI.	0.0- 3.6	38-5254	MI	27- 27
MONROE BR.	MONROE & LENAWEE JCT	0.3- 1.9	38-5248	MI	23- 23
MONROE IND. TK.	MONROE (TOL. BR. -MONROE PT. -END)	0.0- 2.1	38-5258	MI	31- 31
TOLEDO BR.	DETROIT & STATE LINE	2.7- 49.4	38-5221	MI	2- 10
TOLEDO BR.	STATE LINE & ALEXIS	49.4- 50.1	38-5221	OH	10- 11











PROGRAM LEGEND  
DATE OF WORK PRECEDES CODE (IF KNOWN)

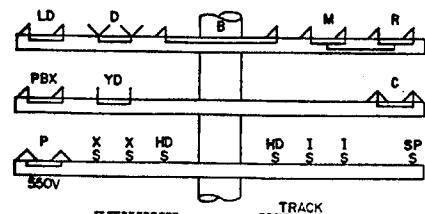
CONDITIONS	CODES
GRINDING (NO. OF PASSES)	
SURFACING	TYPE OF MACHINE USED
	E = Electromatic T = Tamper
	P = Plasser
TIES	YEAR INSTALLED ONLY FOR MAJOR REHABILITATION
	ST = Safety tie installations of less than 400 ties/mile
UNDERCUTTING	TYPE OF MACHINE USED
	PD = Plow (Bulldozer) UK = Undercut (Kershaw)
	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 rail 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
TEMP SLOW	
ORDER SPEED	Passenger/Fast Freight/Freight

CHART LEGEND

INTERLKG TOWER	INT
TUNNEL	
BRIDGE (OH&UG)	
SIG BRIDGE	
RR XING (GRADE)	
PUB RD XING (GRADE)	
PUB RD XING (GRD) (W/FLSH)	
PUB RD XING (GRD) (FLSH & GATES)	
PRIVATE RD XING	
AUTOMATIC SIGNAL	
CURVE LUBRICATOR	
DRAGGING EQUIP DET	
HOT BX DET (PT DIR TRAFF)	
STATE LINE	
TIMETABLE MP	
VALUATION MP	



- 1. NO. 9 COPPER WIRE
- 2. NO. 8 COPPER WIRE
- 3. NO. 8 WEATHER PROOF COPPERWELD
- 4. NO. 8 IRON
- 5. NO. 6 WEATHER PROOF COPPER
- 6. NO. 10 WEATHER PROOF COPPERWELD

KEY TO PIN SYMBOLS

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

KEY TO LINE CIRCUITS

DECIMAL-FRACTION CONVERSION TABLE

0.5 = 1/2 in.	1.5 = 1 1/2 in.	2.5 = 2 1/2 in.	3.5 = 3 1/2 in.
1.0 = 1 in.	2.0 = 2 in.	3.0 = 3 in.	4.0 = 4 in.

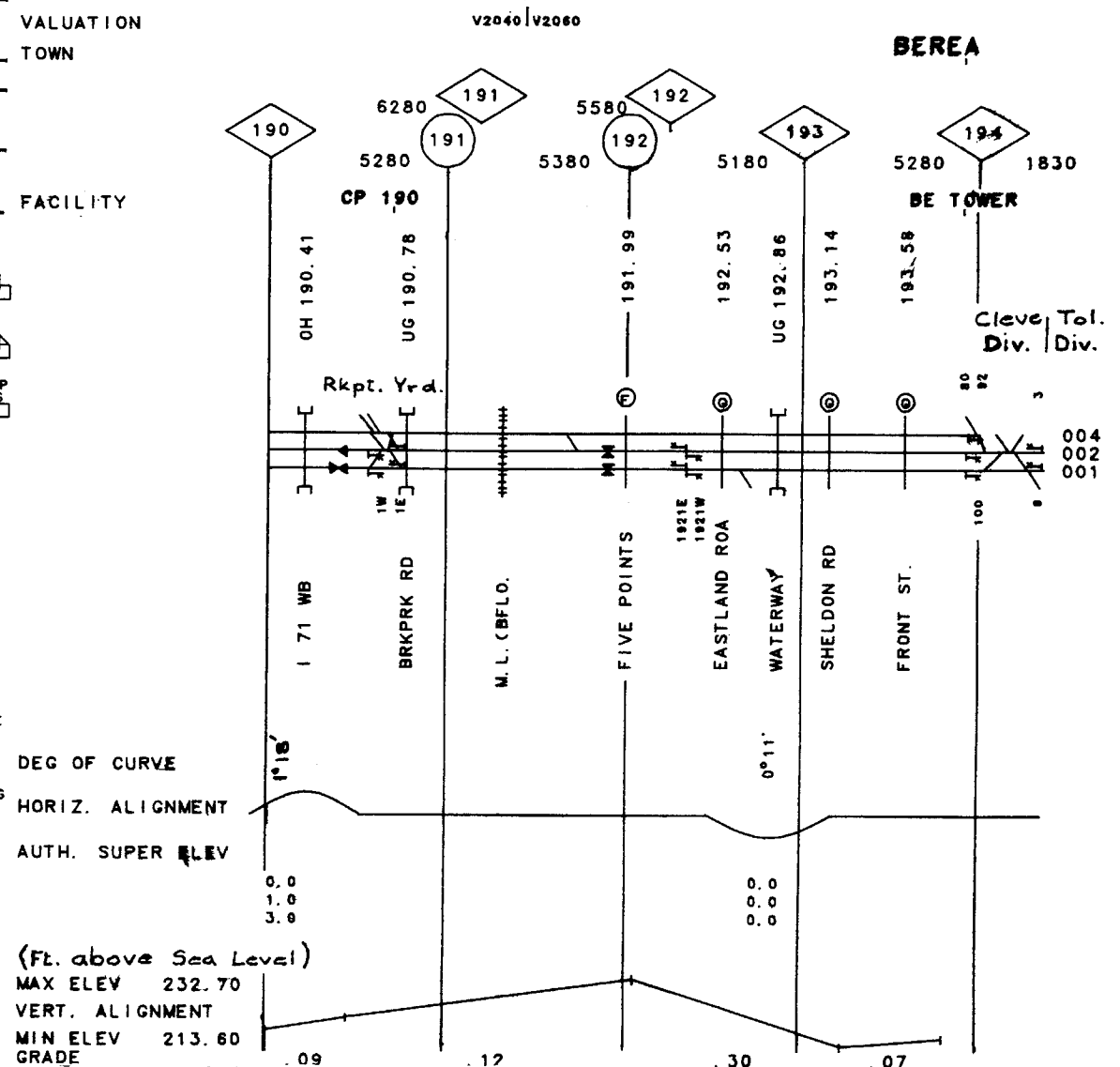
GRINDING			
SURFACING	79T		80E
TIES	79		79
UNDERCUTTING			
RAIL			27F79
BAL CLEAN			61S
TONNAGE(MGT)	1.2	2.0	2.0
T T SPEED		30/30/30	30/30/30

GRINDING			81R
SURFACING			81
TIES			79
UNDERCUTTING			
RAIL		40-75	40-75
BAL CLEAN		80L	81L
TONNAGE(MGT)	28.2	28.5	28.5
T T SPEED	50/50/40	70/60/50	35/35/35

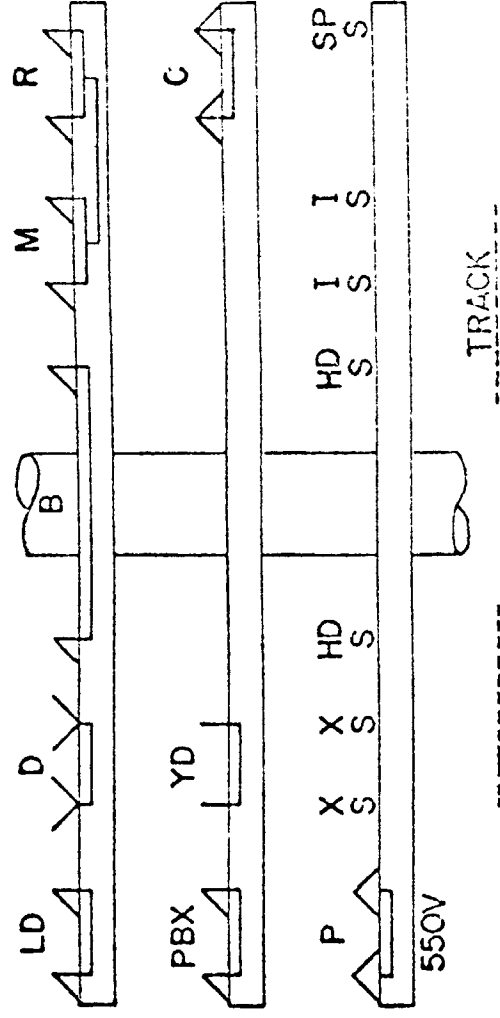
GRINDING			81R
SURFACING	81	79T	81
TIES			79
UNDERCUTTING			
RAIL	40-73	127-64	40-73
BAL CLEAN		80L	81L
TONNAGE(MGT)	37.9	38.6	38.3
T T SPEED	70/60/50	70/60/50	35/35/35

VALUATION  
TOWN

FACILITY



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

### KEY TO LINE CIRCUITS

COST CENTER LISTING FOR DETROIT 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>
FOREMAN WYE	.00	.48	007	19468	38-5252
HIGHLAND PARK BR.	.00	3.10	007	19466	38-5257
HIGHLAND PARK BR.	3.10	7.60	007	19469	38-5257
FULLERTON YARD	3.30	3.30	YRD	19483	38-5257



GRINDING	
SURFACING	76E
TIES	75
UNDERCUTTING	
RAIL	27- / 27F67
BAL CLEAN	75S
TONNAGE(MGT)	
T T SPEED	40/40/40

003

GRINDING	80(1)
SURFACING	80E
TIES	63 75
UNDERCUTTING	
RAIL	27-48 // 32-69 // 27F67
BAL CLEAN	75S
TONNAGE(MGT)	8.6 3.4
T T SPEED	40/40/40 20/20/20

002

GRINDING	81
SURFACING	80E
TIES	47 64 75
UNDERCUTTING	
RAIL	27-41 27-24 27-27 27-52 27-39
BAL CLEAN	75S
TONNAGE(MGT)	6.8 3.5 3.3
T T SPEED	40/40/40 30/30/30 70/50/50

001

GRINDING	
SURFACING	76E
TIES	75
UNDERCUTTING	
RAIL	27-27
BAL CLEAN	75S
TONNAGE(MGT)	1.1
T T SPEED	15/15/15

007

VALUATION  
TOWN

DETROIT

V4011  
W. DETROIT

FACILITY

DETROIT RIVER TUNNEL

MILLER RD

TOWN LINE

Canada Div. Detroit Div.

Detroit Div. Michigan Div.

DEG OF CURVE

HORIZ. ALIGNMENT

AUTH. SUPER ELEV

MAX ELEV 587.00

VERT. ALIGNMENT

MIN ELEV 586.00

GRADE

0.20

.04

0.05

GRINDING						80(2)			80(2)
SURFACING			81				80E		79T
TIES		78		77		67		77	
UNDERCUTTING									
RAIL		05-48	05-49	05-30	27-52	27F68	05-48	27F79	
BAL CLEAN				81			78L		79S
TONNAGE(MGT)			7.9				12.1		
T T SPEED			30/20/20				30/20/20		25/25/25

001

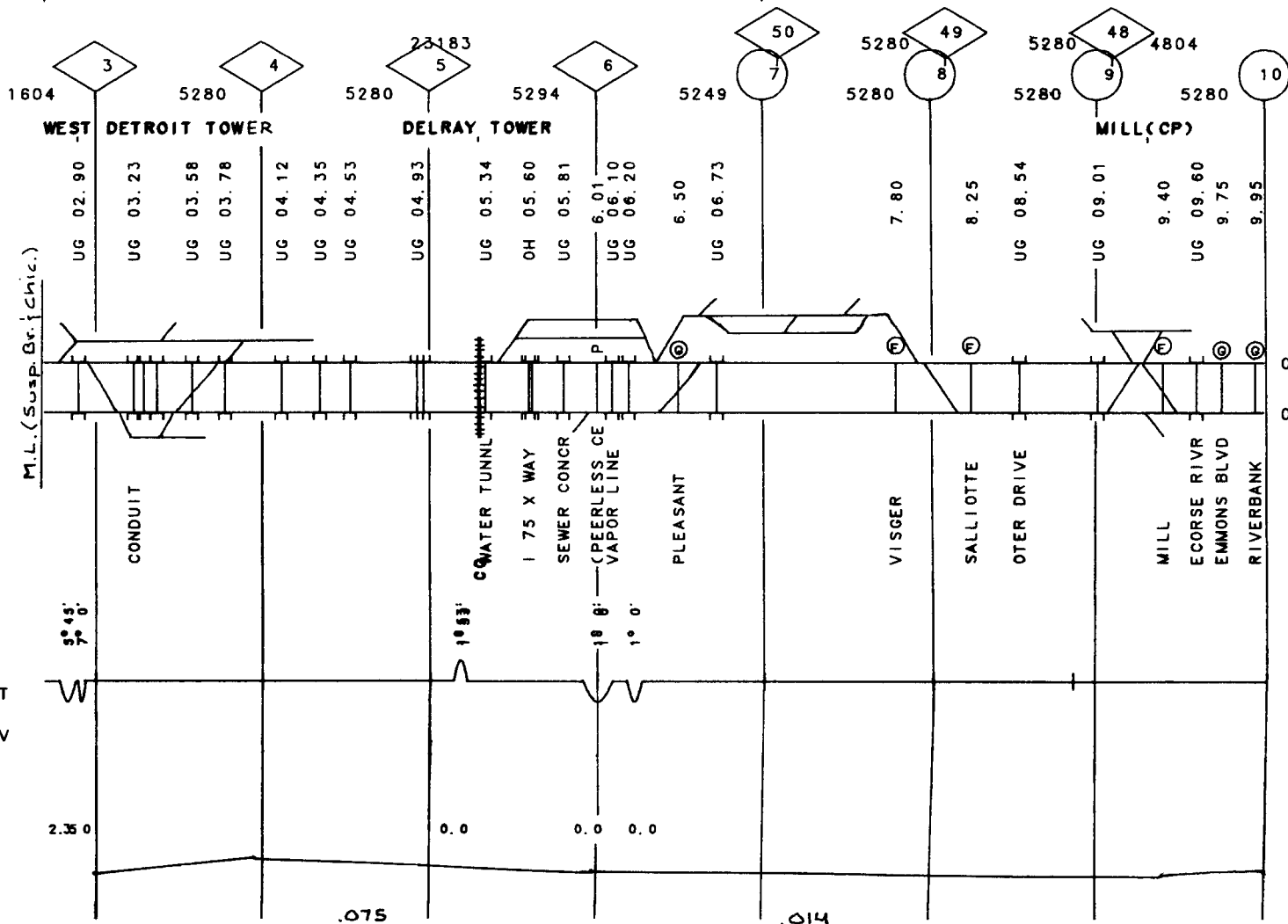
VALUATION  
TOWN

V4081 V2310

DETROIT

RIVER ROUGE

FACILITY



002

001

DEG OF CURVE  
HORIZ. ALIGNMENT  
AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE



GRINDING	80(2)			
SURFACING	81			
TIES	77		57	
UNDERCUTTING	76		76	
RAIL	27-60	27-51	27F68	27-57
BAL CLEAN	81		80	
TONNAGE(MGT)	10.8		10.2	
T T SPEED	20/20/20		25/25/25	

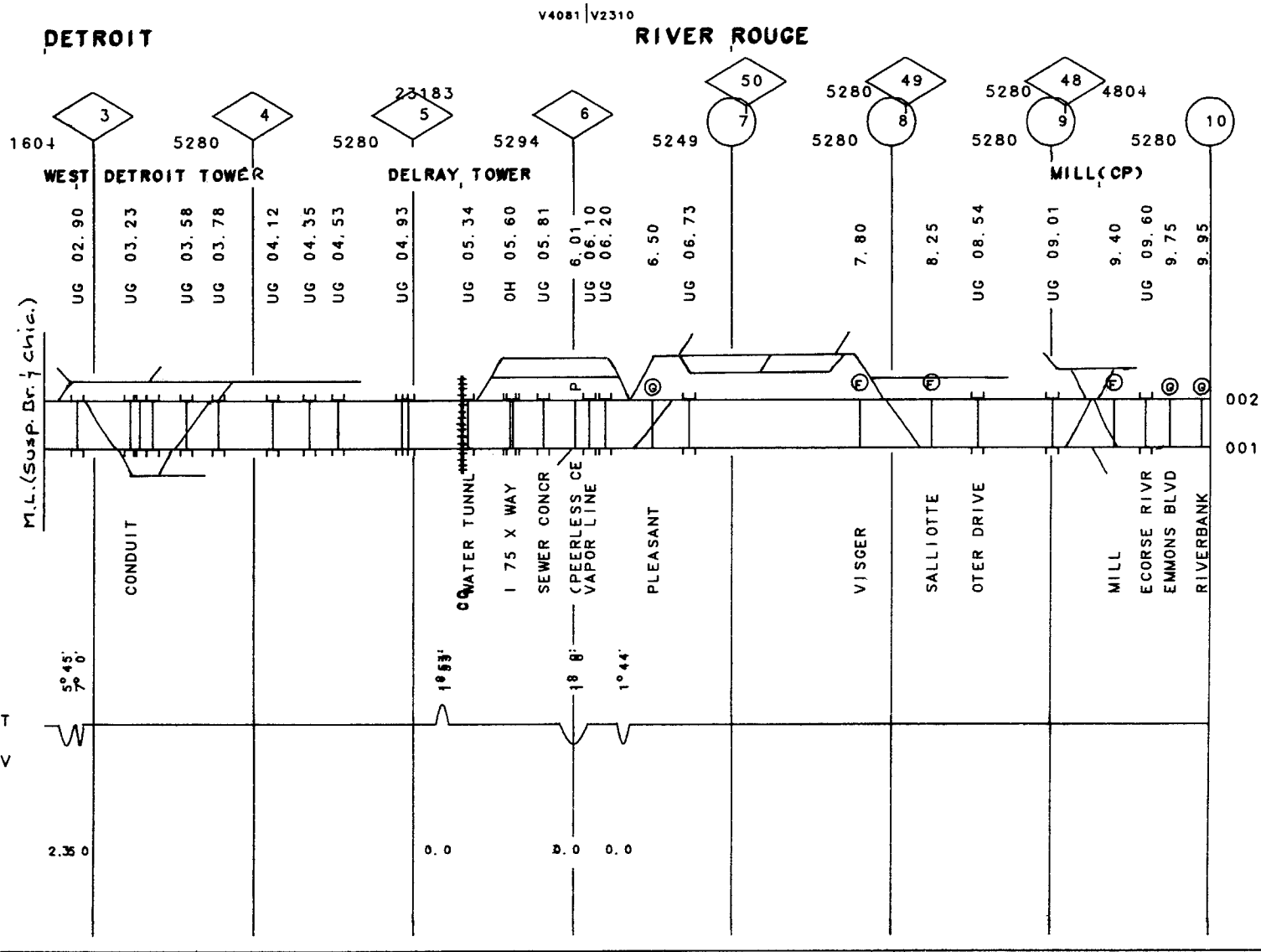
002

VALUATION  
TOWN

FACILITY

DEG OF CURVE  
HORIZ. ALIGNMENT  
AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE

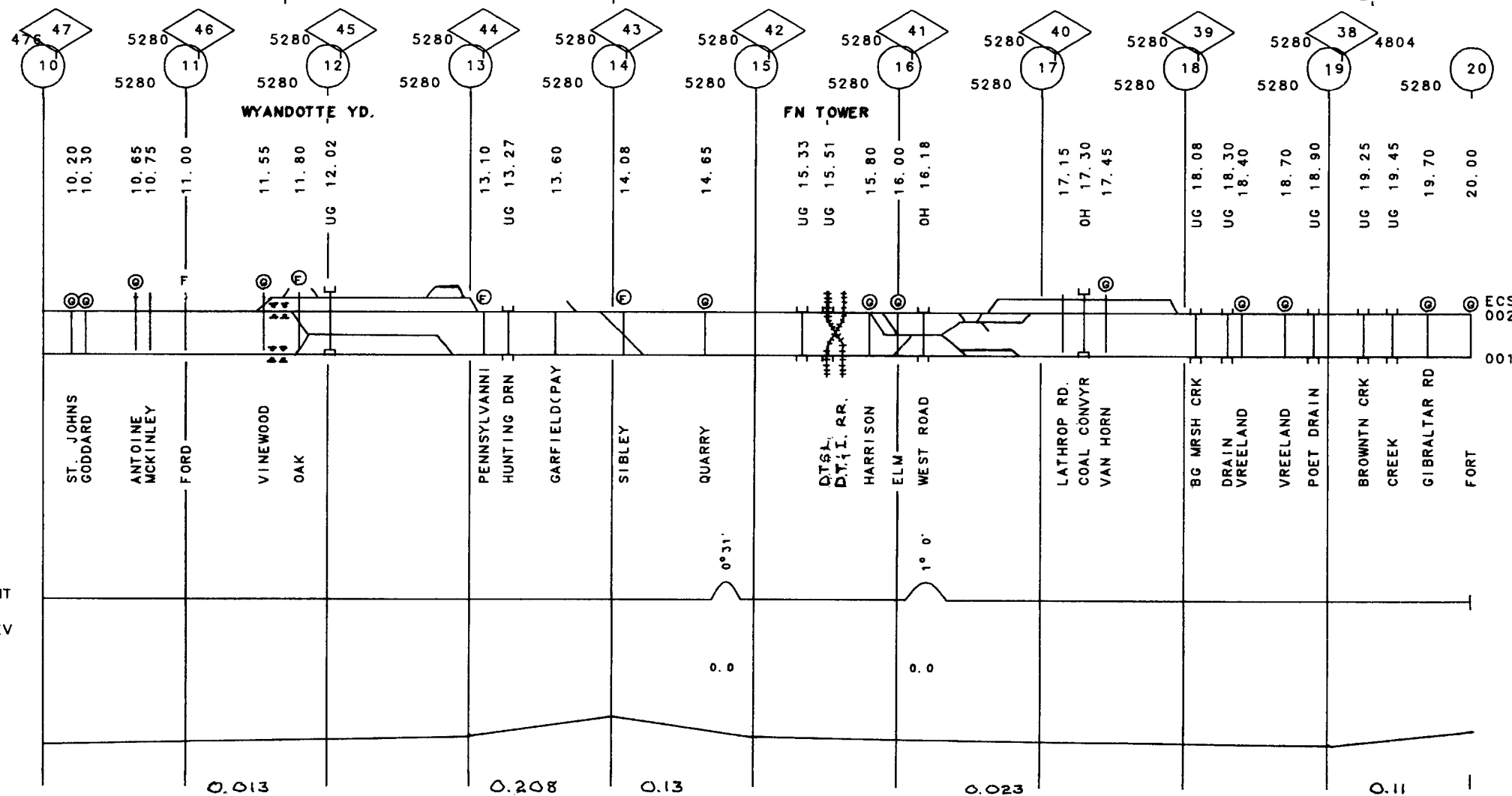


001

**V2310**

## GIBRALTAR

**FN TOWER**

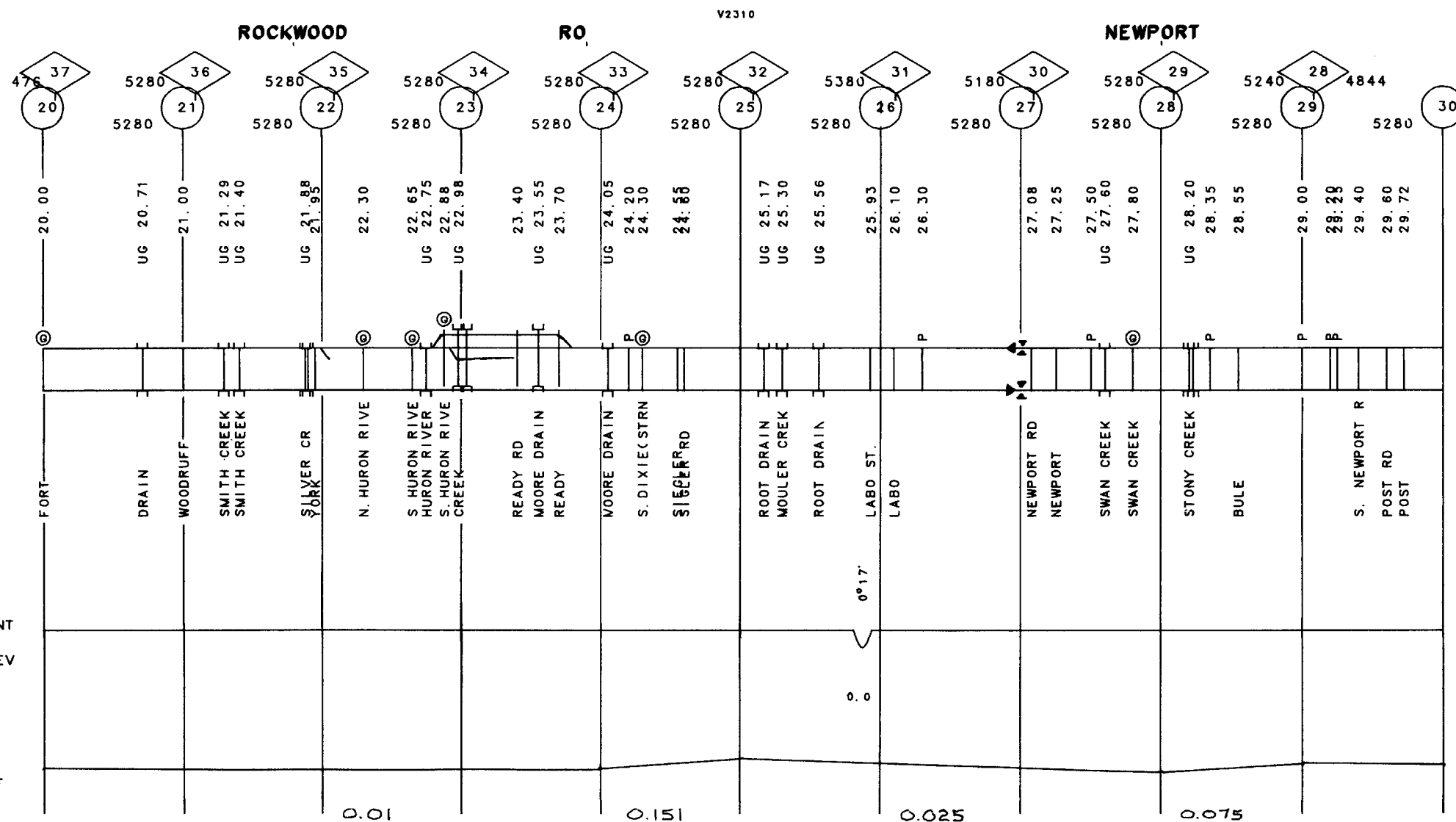






001

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE





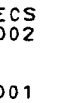
ECS002

VALUATION  
TOWN

FACILITY

DEG OF CURVE  
HORIZ. ALIGNMENT  
AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE



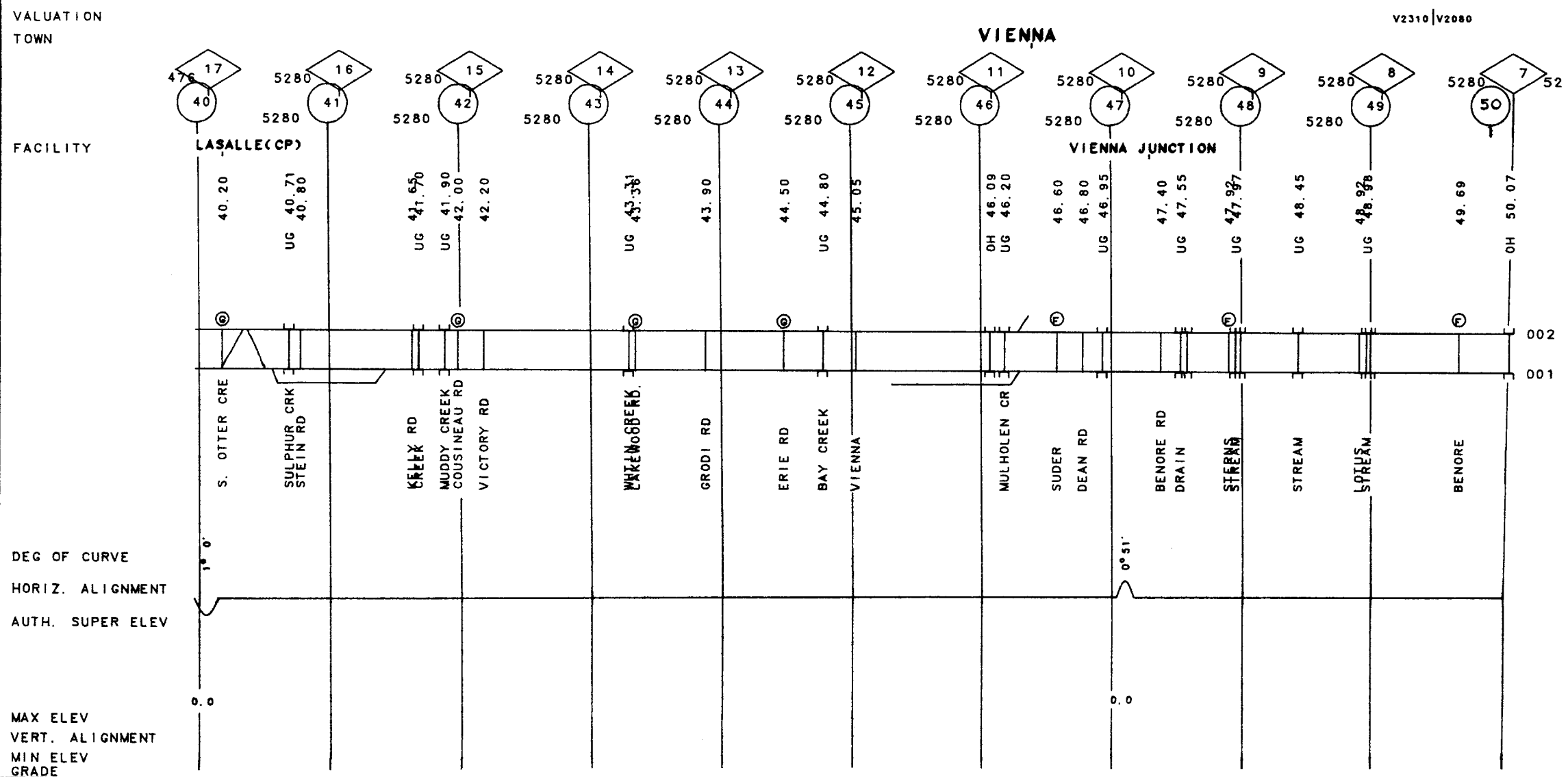
001

V2310  
MONROE







[illegible]

GRINDING	
SURFACING	73J
TIES	70
UNDERCUTTING	
RAIL	30-44 30-42
BAL CLEAN	
TONNAGE(MGT)	0.9
T T SPEED	25/25/25

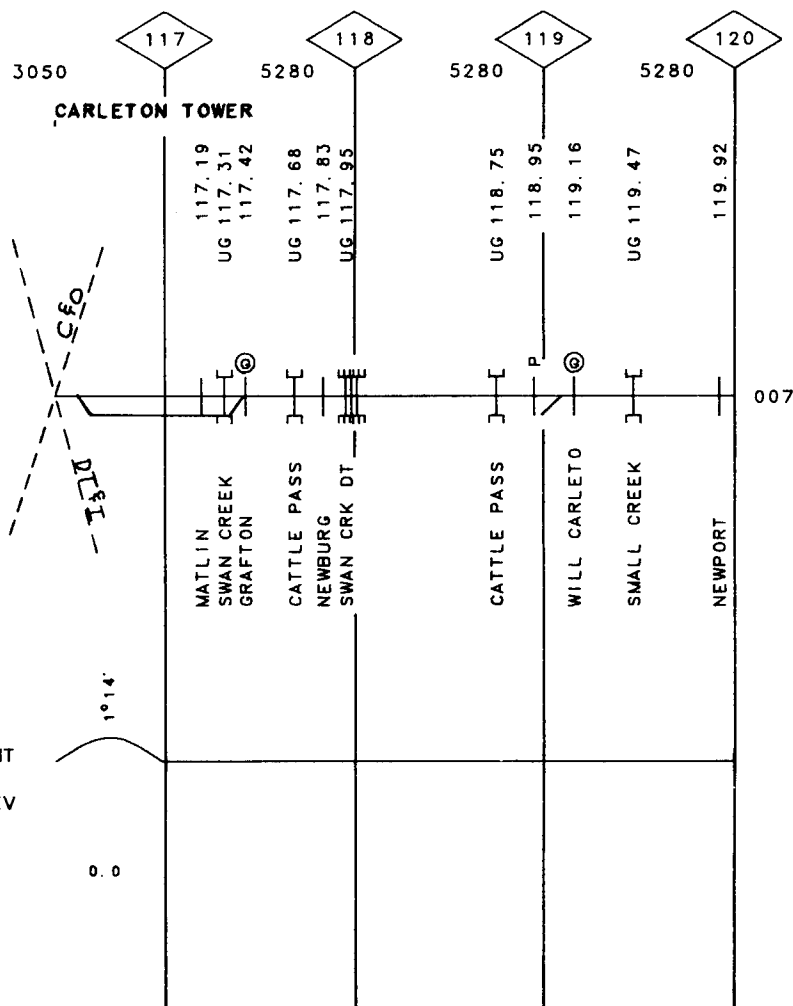
007

VALUATION  
TOWN

V7321

ASH

FACILITY



DEG OF CURVE  
HORIZ. ALIGNMENT  
AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE





GRINDING					
SURFACING			80E		
TIES			80		
UNDERCUTTING					
RAIL		30-44		31-45	
BAL CLEAN					
TONNAGE (MGT)		0.9		0.1	
T T SPEED			25/25/25		

007

VALUATION  
TOWN

V7321 | V7322

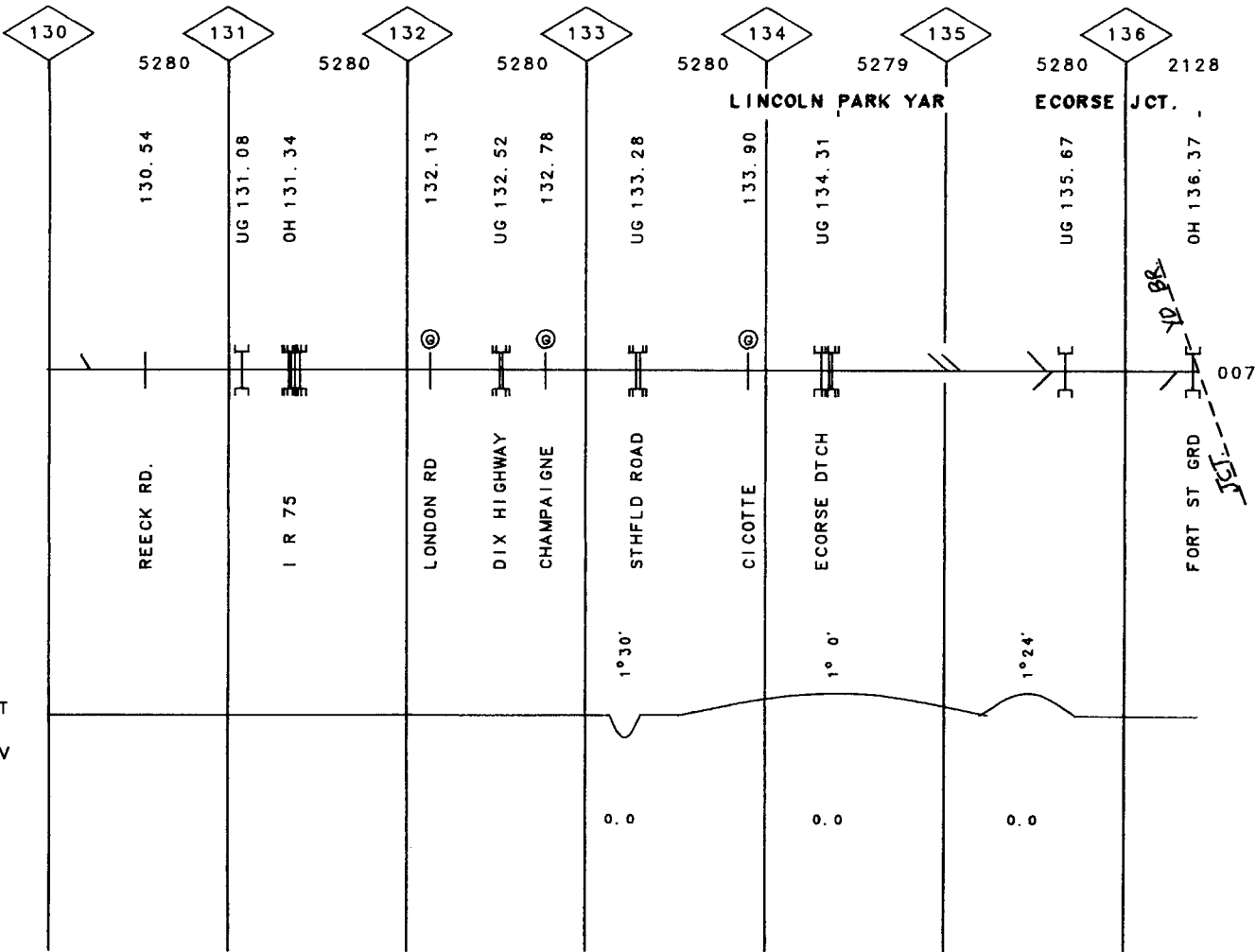
LINCOLN PARK

ECORSE

FACILITY

DEG OF CURVE  
HORIZ. ALIGNMENT  
AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE





007



WCS

007

**STERLING HEIGHTS**

V4032  
UTICA

**BEND**



VALUATION  
TOWN

FACILITY

DEG OF CURVE

HORIZ. ALIGNMENT

AUTH. SUPER ELEV

MAX ELEV

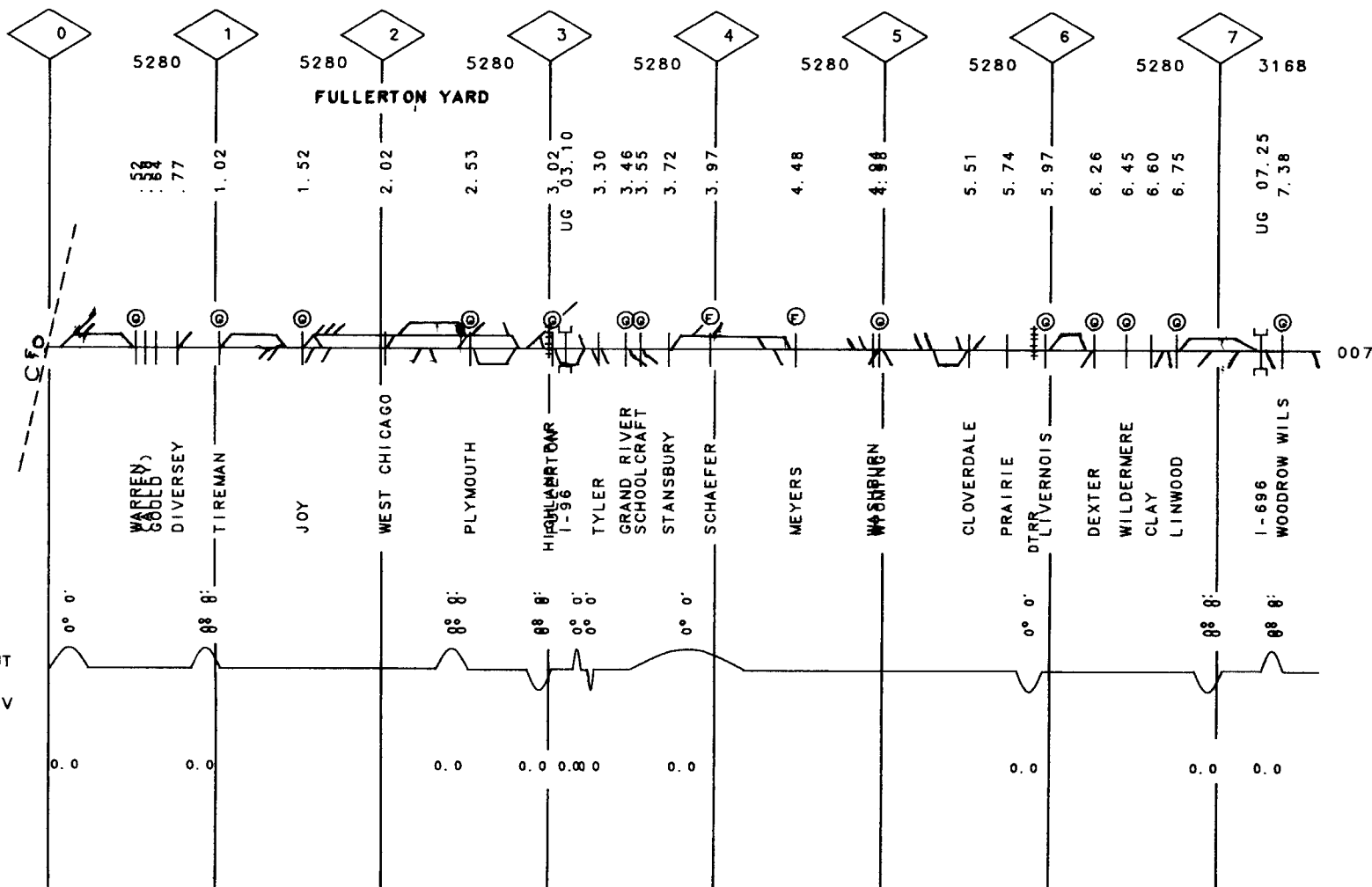
VERT. ALIGNMENT

MIN ELEV

GRADE

DEARBORN

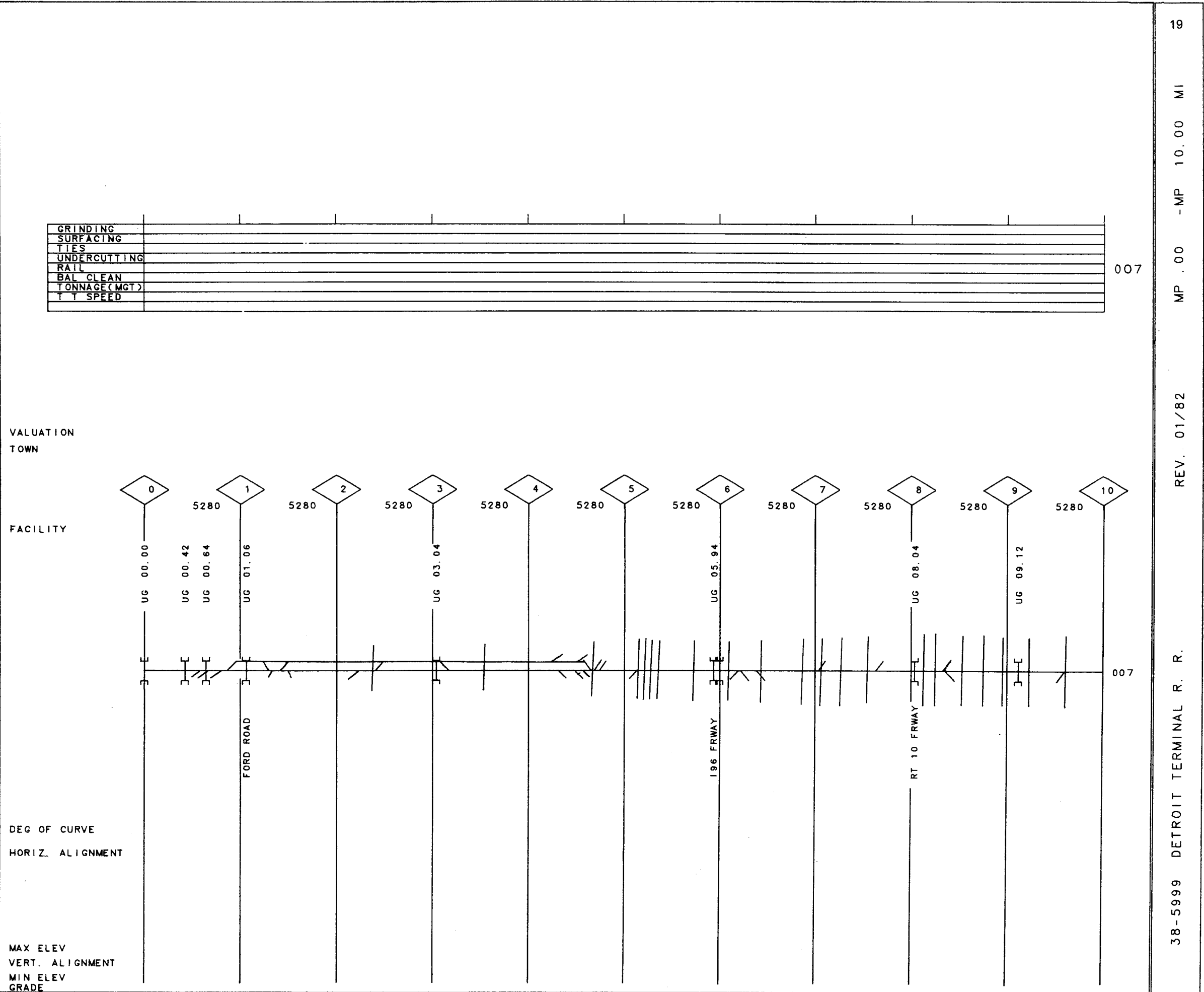
HIGHLAND PARK



GRINDING	
SURFACING	80E
TIES	75
UNDERCUTTING	77
RAIL	
BAL CLEAN	
TONNAGE (MGT)	
T T SPEED	

007

007



GRINDING	
SURFACING	
TIES	81
UNDERCUTTING	
RAIL	
BAL CLEAN	
TONNAGE (MGT)	
T T SPEED	

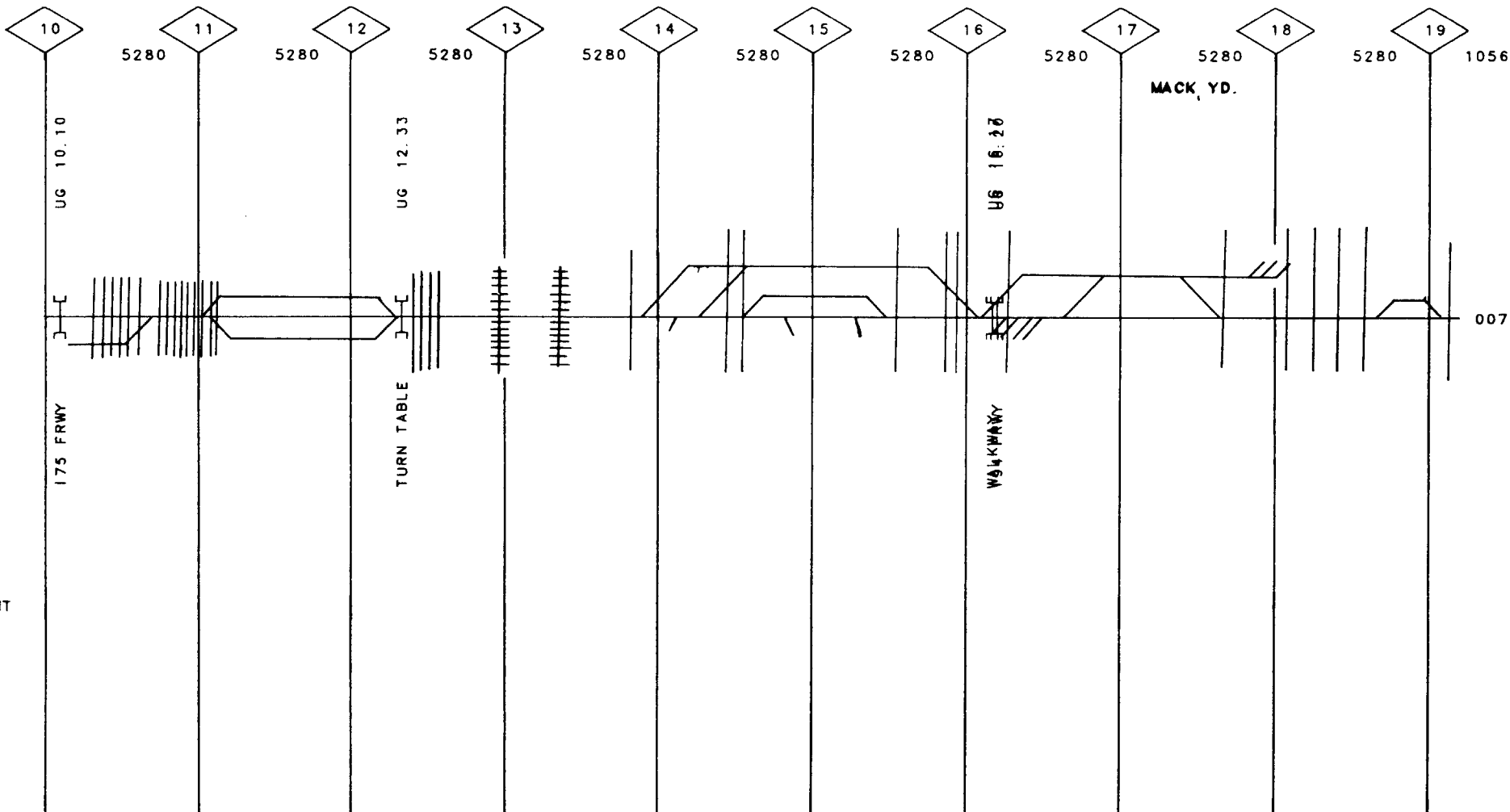
007

VALUATION  
TOWN

FACILITY

DEG OF CURVE  
HORIZ. ALIGNMENT

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE







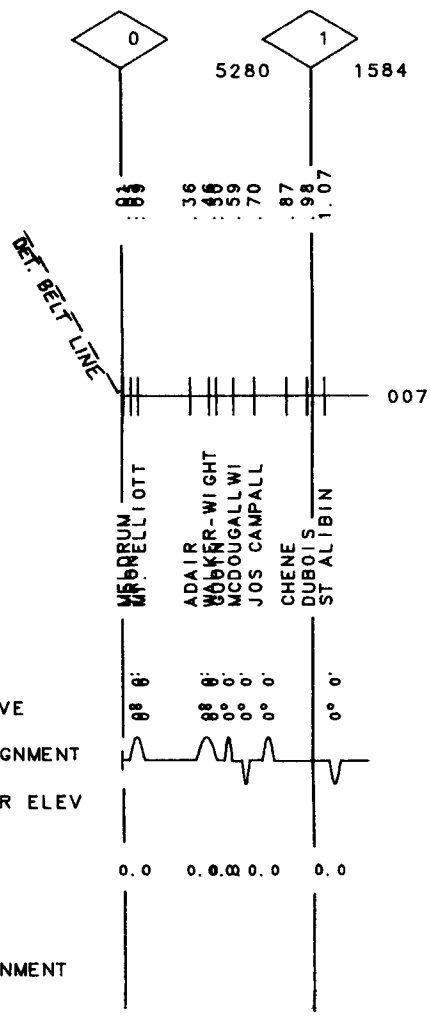
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	59-25
BAL. CLEAN	
TONNAGE (MGT)	0.0
T T SPEED	

007

VALUATION  
TOWN

DETROIT

FACILITY



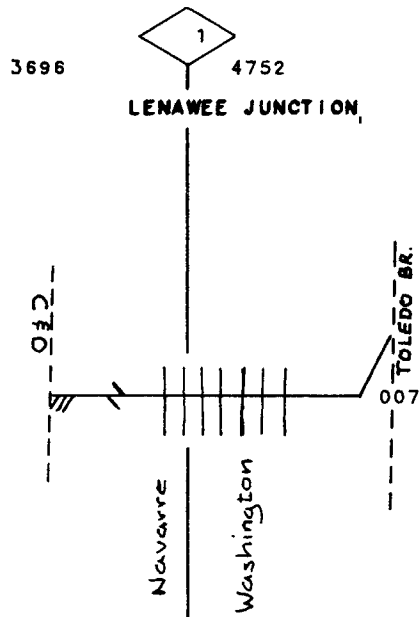
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL CLEAN	
TONNAGE (MGT)	0.0
T T SPEED	

007

VALUATION  
TOWN

MONROE

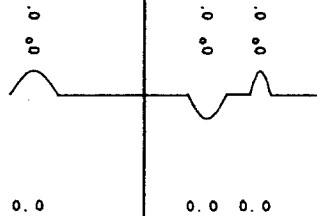
FACILITY



DEG OF CURVE

HORIZ. ALIGNMENT

AUTH. SUPER ELEV



MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE

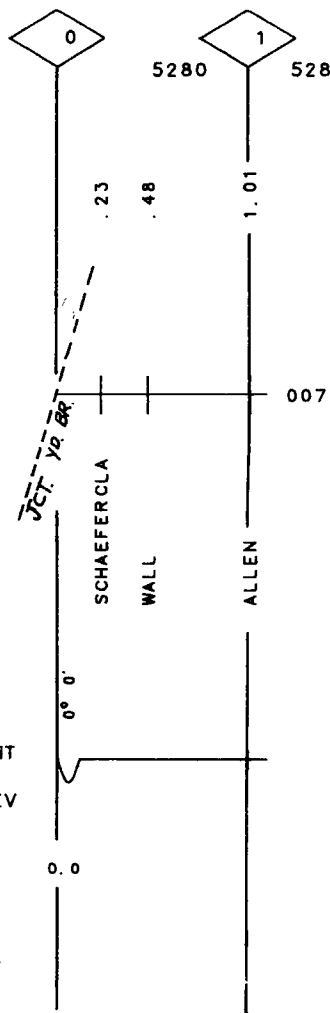
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL CLEAN	
TONNAGE (MGT)	0.0
T T SPEED	

007

VALUATION  
TOWN

DETROIT

FACILITY



DEG OF CURVE

HORIZ. ALIGNMENT

AUTH. SUPER ELEV

MAX ELEV

VERT. ALIGNMENT

MIN ELEV

GRADE

GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL. CLEAN	
TONNAGE (MGY)	0.5
T T SPEED	

007

VALUATION  
TOWN

DETROIT

FACILITY



4224

88

TOLEDO  
BR.

007

88 BLAND (TEMP)

DEG OF CURVE

0 0 0 0 0 0  
0 0 0 0 0 0

HORIZ. ALIGNMENT



AUTH. SUPER ELEV

0.0.00.00.00.0

MAX ELEV

VERT. ALIGNMENT

MIN ELEV

GRADE



007

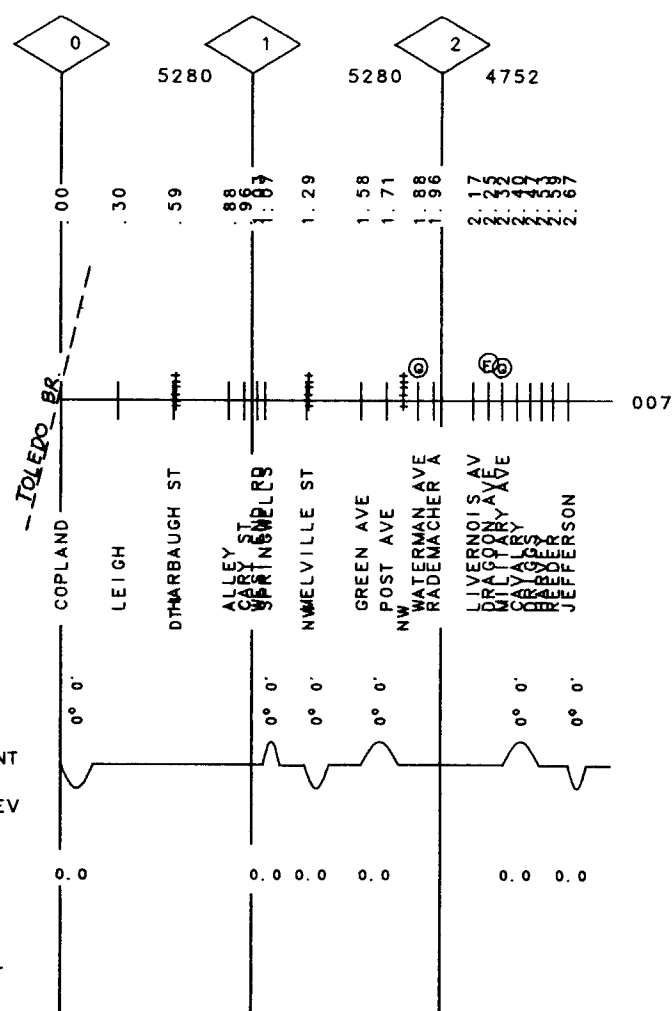
DETROIT

FACILITY

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MAX ELEV
VERT. ALIGNMENT
MIN ELEV
GRADE

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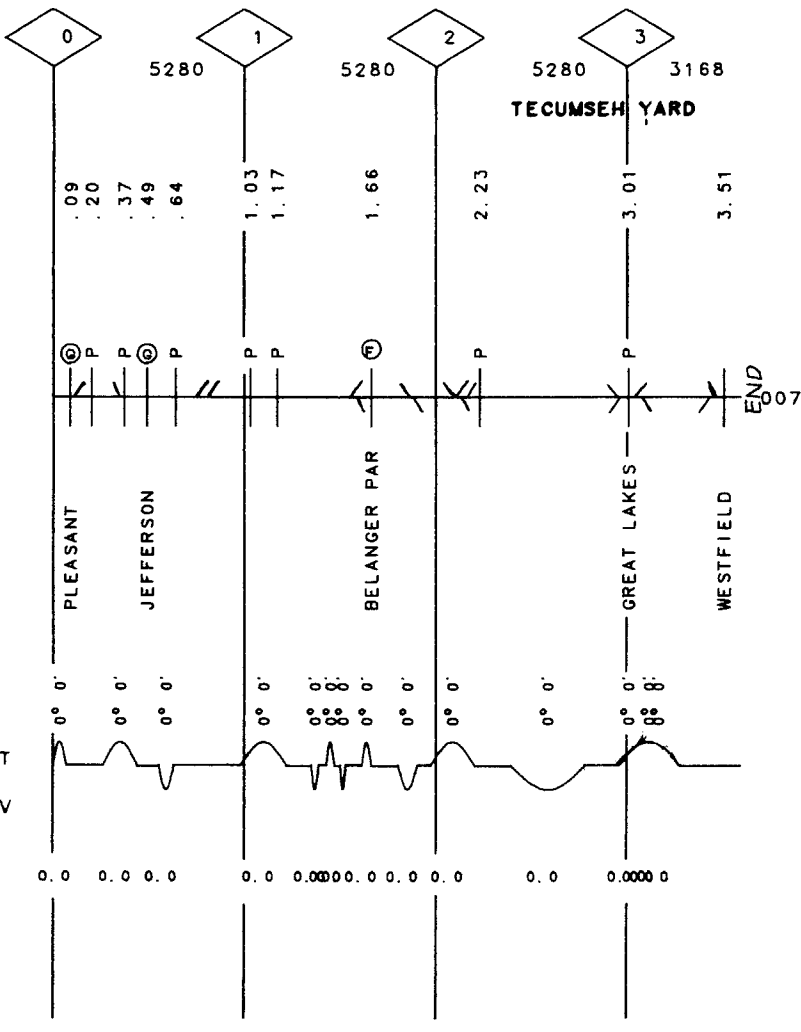
GRINDING	007				007
SURFACING	81	81	81	81	81
TIES				74	
UNDERCUTTING					
RAIL					
BAL CLEAN	781				
TONNAGE (MGT)	3.0		2.8		
T T SPEED					

007

VALUATION  
TOWN

DETROIT

FACILITY



DEG OF CURVE

HORIZ. ALIGNMENT

AUTH. SUPER ELEV

MAX ELEV

VERT. ALIGNMENT

MIN ELEV

GRADE

VALUATION  
TOWN

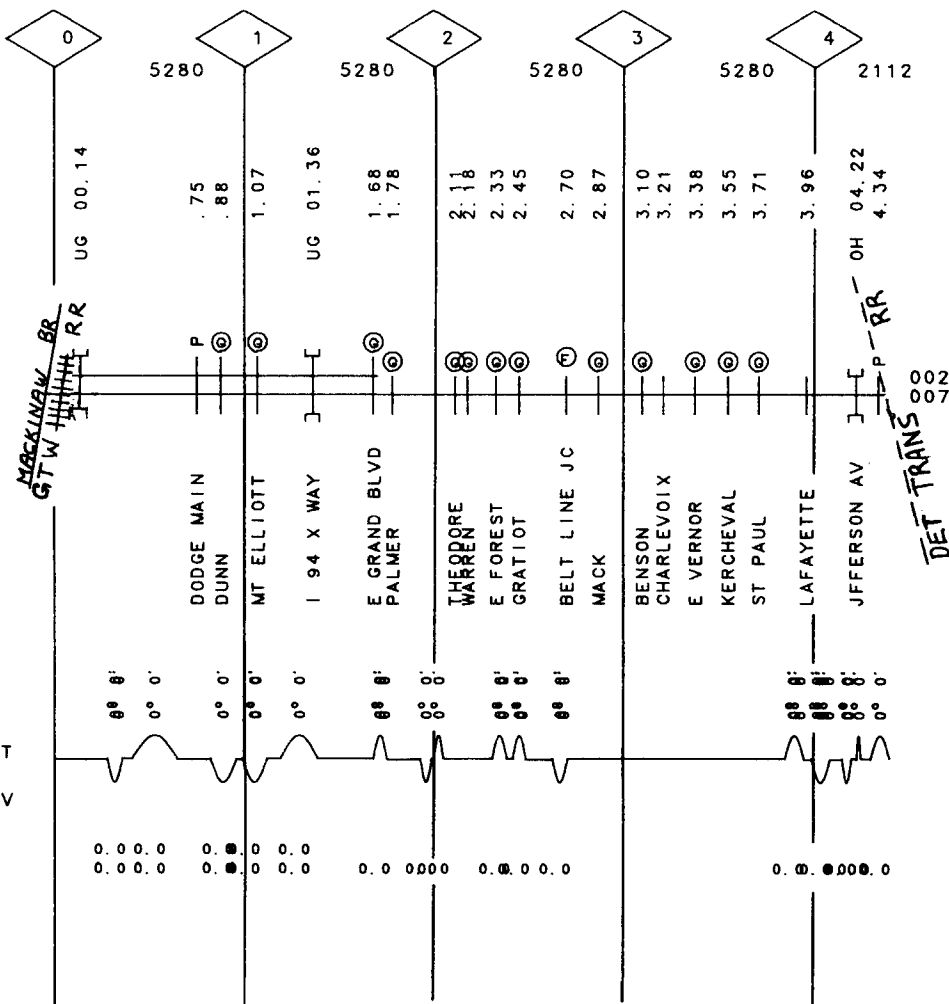
FACILITY

DEG OF CURVE  
HORIZ. ALIGNMENT  
AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE

DETROIT

PALMER YARD



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

002

GRINDING	001	007
SURFACING	79T	79T
TIES	77	77
UNDERCUTTING		
RAIL	31F78	31F78
BAL CLEAN		
TONNAGE (MGT)	0.3	0.3
T T SPEED		

007

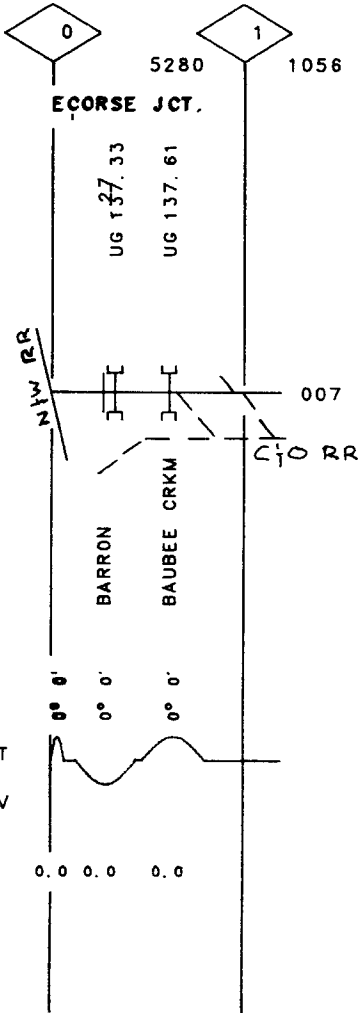
GRINDING	
SURFACING	
TIES	
UNDERCUTTING	
RAIL	
BAL. CLEAN	
TONNAGE (MGY)	
T T SPEED	

007

VALUATION  
TOWN

DETROIT

FACILITY



VALUATION  
TOWN

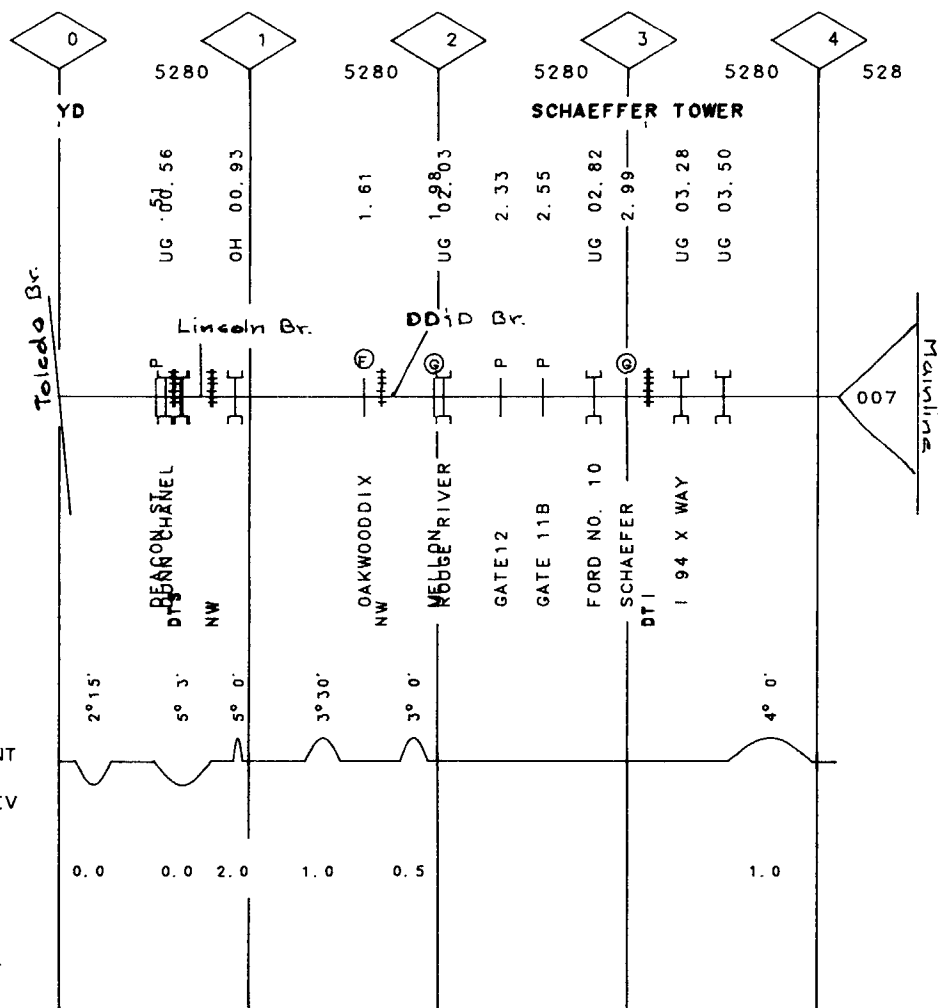
FACILITY

DEG OF CURVE  
HORIZ. ALIGNMENT  
AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE

GRINDING				
SURFACING	79T			
TIES	79			
UNDERCUTTING				
RAIL	27F72 105F72 27F72			
BAL CLEAN	81			
TONNAGE (MGT)	9.5	10.0	10.4	10.0
T T SPEED	15/15/15	30/30/30	30/30/30	

007





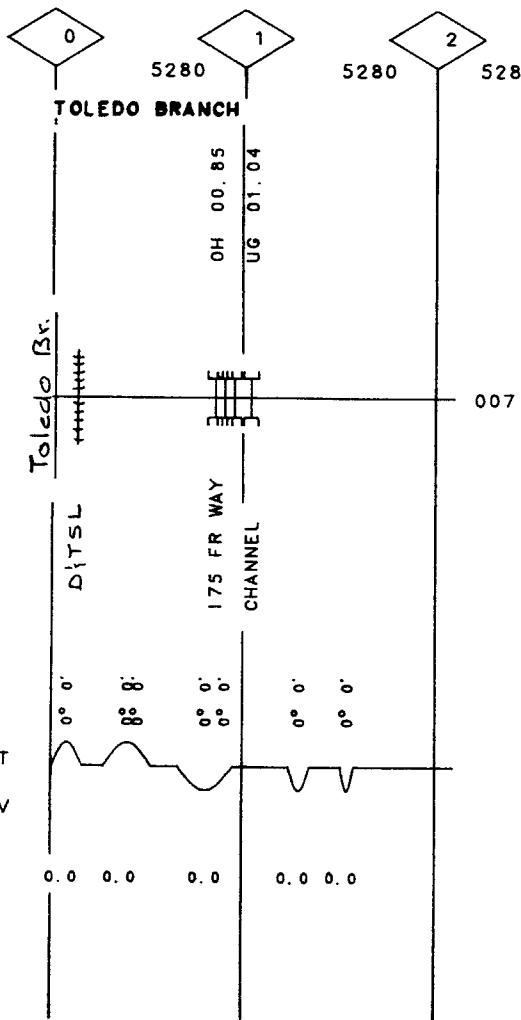
GRINDING		
SURFACING	77P	79T
TIES		79
UNDERCUTTING		
RAIL		
BAL. CLEAN		
TONNAGE (MGT)	0.1	
T T SPEED		

007

VALUATION  
TOWN

MONROE

FACILITY



DEG OF CURVE

HORIZ. ALIGNMENT

AUTH. SUPER ELEV

MAX ELEV  
VERT. ALIGNMENT  
MIN ELEV  
GRADE