

Metro-North Railroad

*Track & Structures
Department*

*TRACK CHARTS
MAINTENANCE PROGRAM
INTERLOCKING DIAGRAMS
&
YARD DIAGRAMS*

2013

LINE NAME		BETWEEN	M.P. TO M.P.	STATE	PAGE
HUDSON LINE	MTA	N.Y.(GCT) & POUGHKEEPSIE	0.0 - 75.8	NY	1 - 8
HARLEM LINE	MTA	MOTT HAVEN & WASSAIC	5.0 - 82.4	NY	9 - 17
NEW HAVEN LINE	MTA	WOODLAWN & STATE LINE	12.0 - 26.1	NY	18 - 19
NEW HAVEN LINE	CDOT	STATE LINE & NEW HAVEN	26.1 - 72.92	CT	19 - 24
NEW CANAAN BRANCH	CDOT	STAMFORD & NEW CANAAN	0.0 - 7.9	CT	25 - 25
DANBURY BRANCH	CDOT	SD. NORWALK & DANBURY	0.0 - 24.2	CT	26 - 28
WATERBURY BRANCH	CDOT	DEVON & WATERBURY	0.0 - 27.1	CT	29 - 31
BEACON LINE	MTA	BEACON & STATE LINE	0.0 - 40.9	NY	32 - 35
DANBURY SECONDARY	HRRC	DANBURY & STATE LINE	71.26 - 78.0	CT	36
PORT JERVIS LINE	MTA	SUFFERN & PORT JERVIS	31.3 - 90.0	NY	37 - 43

WORK PROGRAM LEGEND

WORK PROGRAM CATEGORIES	RAIL
	TIES
	SURFACING
	GRINDING
	BALLAST CLEANING
	CLASS OF TRACK
RAIL	WEIGHT OF RAIL-YEAR INSTALLED <'F' BETWEEN WEIGHT & YEAR DENOTES FIT RAIL.>  = RENEWED HIGH RAIL OF CURVE ONLY.  = CONVENTIONAL RAIL
TIES	YEAR INSTALLED  = CONCRETE TIES
SURFACING	YEAR & J = JACKSON M = MARK R = ROADMASTER
GRINDING	YEAR
BALLAST CLEANING	YEAR
CLASS OF TRACK	
SPEEDS LISTED BELOW WORK PROGRAM ARE FOR PASSENGER TRAINS.	

TRACK CHART LEGEND

YARD SWITCH HEATERS	EH GH	ELEC. GAS	SUBSTATION	
LUBRICATOR			HOTBOX DETECTOR	
CAR CAPACITY HIGH LEVEL PLATFORM	# 		LOW LEVEL PLATFORM	
ELECTRIC LOCKED SWITCHES	EL		DRAWING EQUIPMENT DETECTOR	
OVERHEAD BRIDGE & GRADE CROSSING			MILEPOST MARKER	
UNDERGRADE BRIDGE (OD = OPEN DECK)			CATENARY # & TRANSMISSION POLE #	
CROSS-OVERS			GRADE CROSSING PROTECTION WITH FLASHERS	
CATENARIES WITH SIGNALS			GRADE CROSSING PROTECTION WITH FLASHERS & GATES	

INTERLOCKING DIAGRAM LEGEND

A = SWITCH NUMBER
B = TURNOUT SIZE
C = WEIGHT
D = YEAR TURNOUT
RENEWED
E = REMARKS
F = YEAR T.O. SURFACED

YARD DIAGRAM LEGEND

A = SWITCH NUMBER
B = TURNOUT SIZE
C = WEIGHT
D = LENGTH OF
TRACK IN FEET
E = YEAR INSTALLED
F = REMARKS

II TRACK CHARTS

Page	HUDSON LINE
1	MP 00.00 - MP 10.00
2	MP 10.00 - MP 20.00
3	MP 20.00 - MP 30.00
4	MP 30.00 - MP 40.00
5	MP 40.00 - MP 50.00
6	MP 50.00 - MP 60.00
7	MP 60.00 - MP 70.00
8	MP 70.00 - MP 75.76
	HARLEM LINE
9	MP 05.00 - MP 10.00
10	MP 10.00 - MP 20.00
11	MP 20.00 - MP 30.00
12	MP 30.00 - MP 40.00
13	MP 40.00 - MP 50.00
14	MP 50.00 - MP 60.00
15	MP 60.00 - MP 70.00
16	MP 70.00 - MP 77.00
17	MP 77.00 - MP 82.41
	NEW HAVEN LINE (MAIN)
18	MP 12.00 - MP 20.00
19	MP 20.00 - MP 30.00
20	MP 30.00 - MP 40.00
21	MP 40.00 - MP 50.00
22	MP 50.00 - MP 60.00
23	MP 60.00 - MP 70.00
24	MP 70.00 - MP 72.92
	NEW CANAAN BRANCH
25	MP 00.00 - MP 07.90
	DANBURY BRANCH
26	MP 00.00 - MP 10.00
27	MP 10.00 - MP 20.00
28	MP 20.00 - MP 24.20
	WATERBURY BRANCH
29	MP 00.00 - MP 10.00
30	MP 10.00 - MP 20.00
31	MP 20.00 - MP 27.10
	BEACON LINE
32	MP 00.00 - MP 10.00
33	MP 10.00 - MP 20.00
34	MP 20.00 - MP 30.00
35	MP 30.00 - MP 40.90
36	MP 40.90 - DANBURY
	PORT JERVIS LINE
37	MP 31.00 - MP 40.00
38	MP 40.00 - MP 50.00
39	MP 50.00 - MP 60.00
40	MP 60.00 - MP 70.00
41	MP 70.00 - MP 70.00
42	MP 70.00 - MP 80.00
43	MP 80.00 - MP 90.00

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INTERLOCKING DIAGRAMS

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47	CP'S 4, 5, 6 & 8	69	CP'S 215 & 216
48	CP'S 4, 5, 6 & 8 (DATA)	70	CP 217
49	CP'S 10 & 11	71	CP 223
50	CP 12	72	CP'S 229 & 230
51	CP 19	73	CP'S 232 & 233
52	CP'S 25 & 26	74	CP'S 234 & 235
53	CP'S 33 & 34	75	CP'S 240, 241 & 244
54	CP'S 35 & 36	76	CP'S 248, 255 & 256
55	CP'S 39,46 & 53	77	CP'S 257 & 261
56	CP'S 58 & 61	78	CP 266 TO NEW HAVEN
57	CP'S 72 & 75	79	CP'S 271 & 272
58	CP 106	80	CP'S 273 & 274
59	CP 112	81	OUTLYING SWITCHES, NEW CANAAN BRANCH
60	CP 113	82	OUTLYING SWITCHES, DANBURY BRANCH
61	CP'S 116 & 117	83	OUTLYING SWITCHES, WATERBURY BRANCH
62	CP'S 119 & 121		
63	CP'S 123 & 124		
64	CP'S 130 & 136		
65	CP'S 137 & 143		
66	CP'S 152, 153, 154 & 155		
67	CP'S 159, 160, 169, 170, 177, 178 & 182 & OUTLYING SWITCHES, UPPER HARLEM LINE		

YARD DIAGRAMS

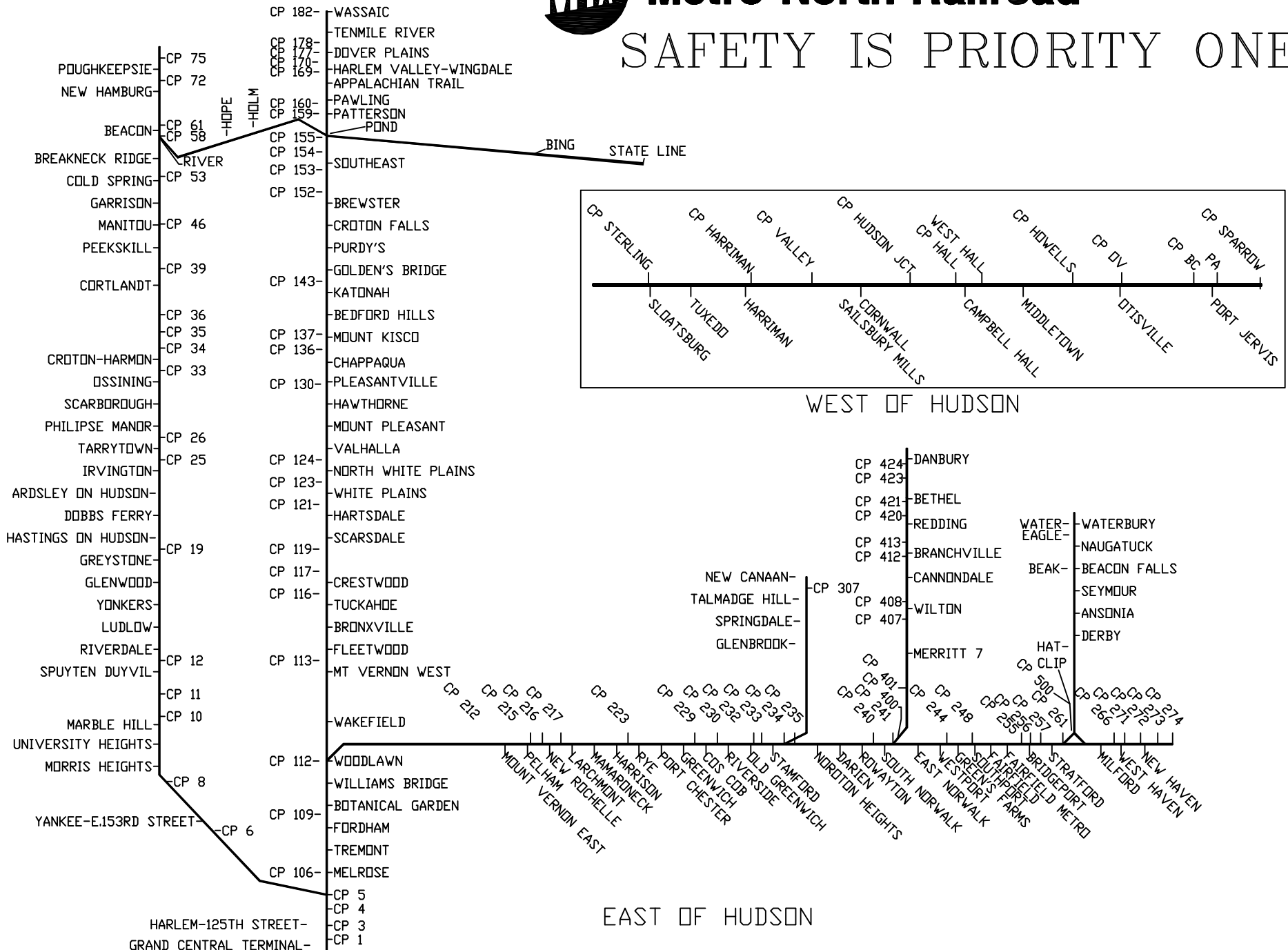
Page	
84	GCT UPPER LEVEL
85	GCT UPPER LEVEL DATA
86	GCT UPPER LEVEL (CON'T) & LOWER LEVEL DATA
87	GCT LOWER LEVEL
88	CP 1
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90	HIGHBRIDGE YARD (DATA)
91	HARMON YARD
92	HARMON YARD (DATA)
93	POUGHKEEPSIE YARD
94	MOUNT VERNON WEST YARD
95	NORTH WHITE PLAINS YARD
96	BREWSTER YARD
97	WASSAIC YARD
98	STAMFORD YARD
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100	EAST BRIDGEPORT YARD
101	NEW HAVEN YARD WEST END
102	NEW HAVEN YARD EAST END
103	DANBURY YARD
104-108	AT GRADE CROSSINGS



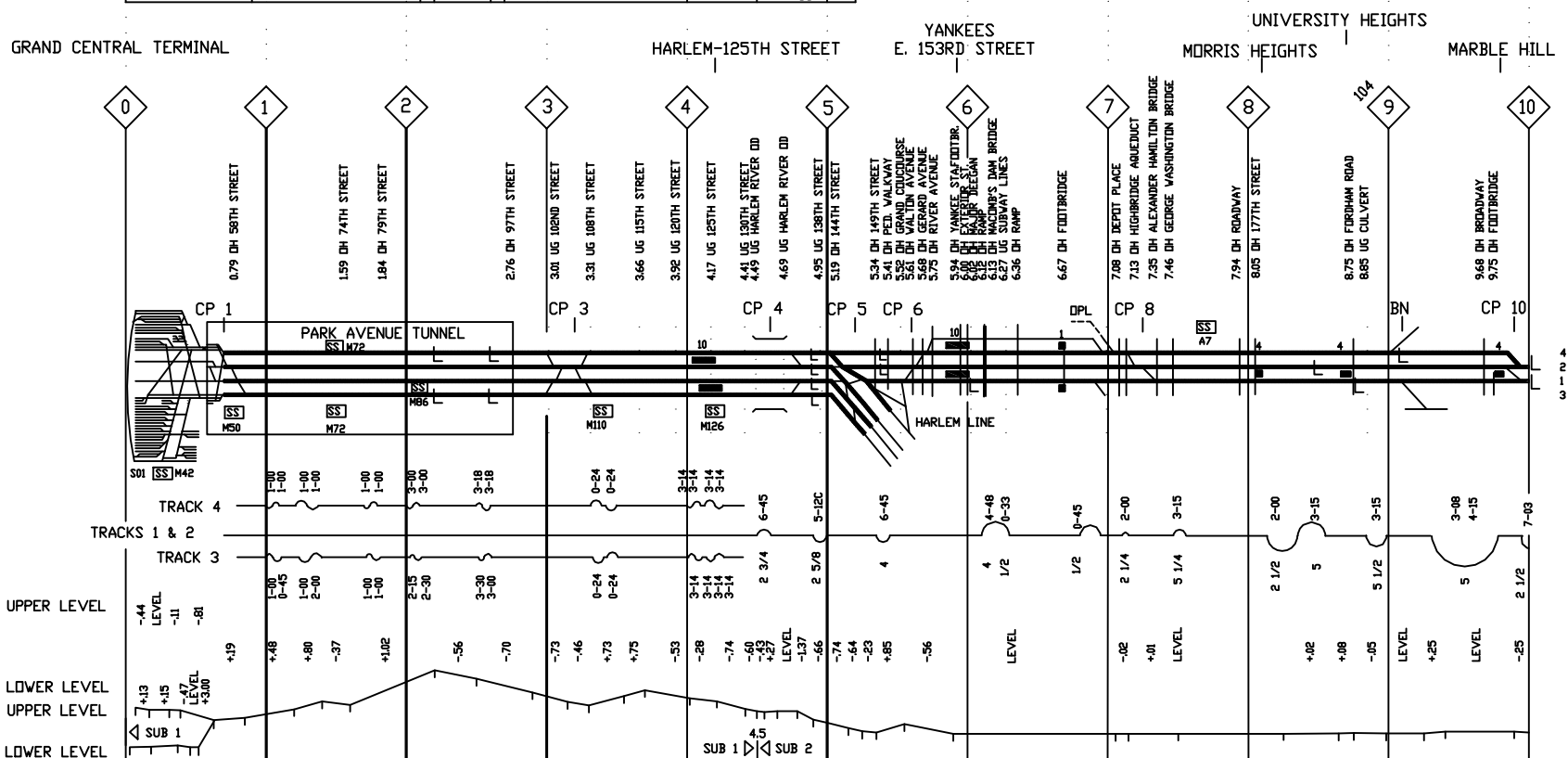
Metro-North Railroad

III

SAFETY IS PRIORITY ONE



10	60	45	60	45	60	40	35	40	45	60	50	30
	60					40	35	40	45	60	50	
	60					40	35	40	45	60	50	
	60	45	60	45	60	40	35	40	45	60	50	



RAIL	119-89	119-88				119-93			119-78	119-99		
TIES			119-78			136-98		119-95			136-99	
SURFACING	06-R	09-R				11-J				98	99	
GRINDING	04					95					07-R	
BALLAST CLEANING										04	99	
CLASS OF TRACK	2					4		3		4		

RAIL	140-93	119-87	119-91			119-93						
TIES	00	01	09-R			119-80		119-84	119-83		119-85	
SURFACING	04-R	01-J				08				09		
GRINDING						08-J				09-J		
BALLAST CLEANING						04					00	
CLASS OF TRACK	2					4		3		4	00	

RAIL	140-95	119-87	119-88			119-76				119-74		
TIES		95	95			10				06	11	
SURFACING	04-R	01-R		10-R		11-J				10-R	11-J	
GRINDING						04				00	04	
BALLAST CLEANING						96					99	
CLASS OF TRACK	2					4		3		4		

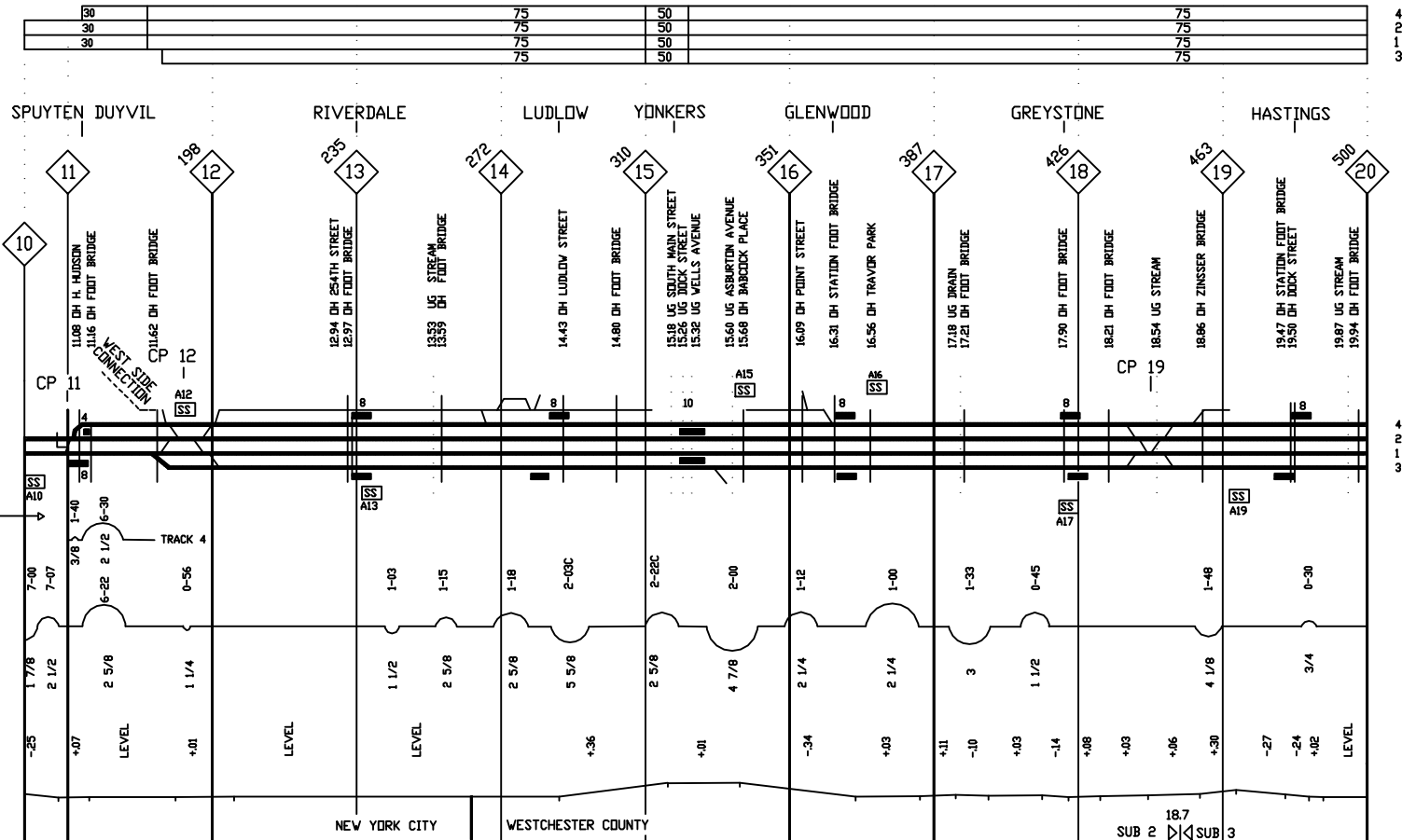
RAIL						119-86			119-84		119-81	
TIES						95					96	
SURFACING						10-R					06-R	
GRINDING						96					97	
BALLAST CLEANING						87	92				87	96
CLASS OF TRACK						4		3			4	

4

2

1

3



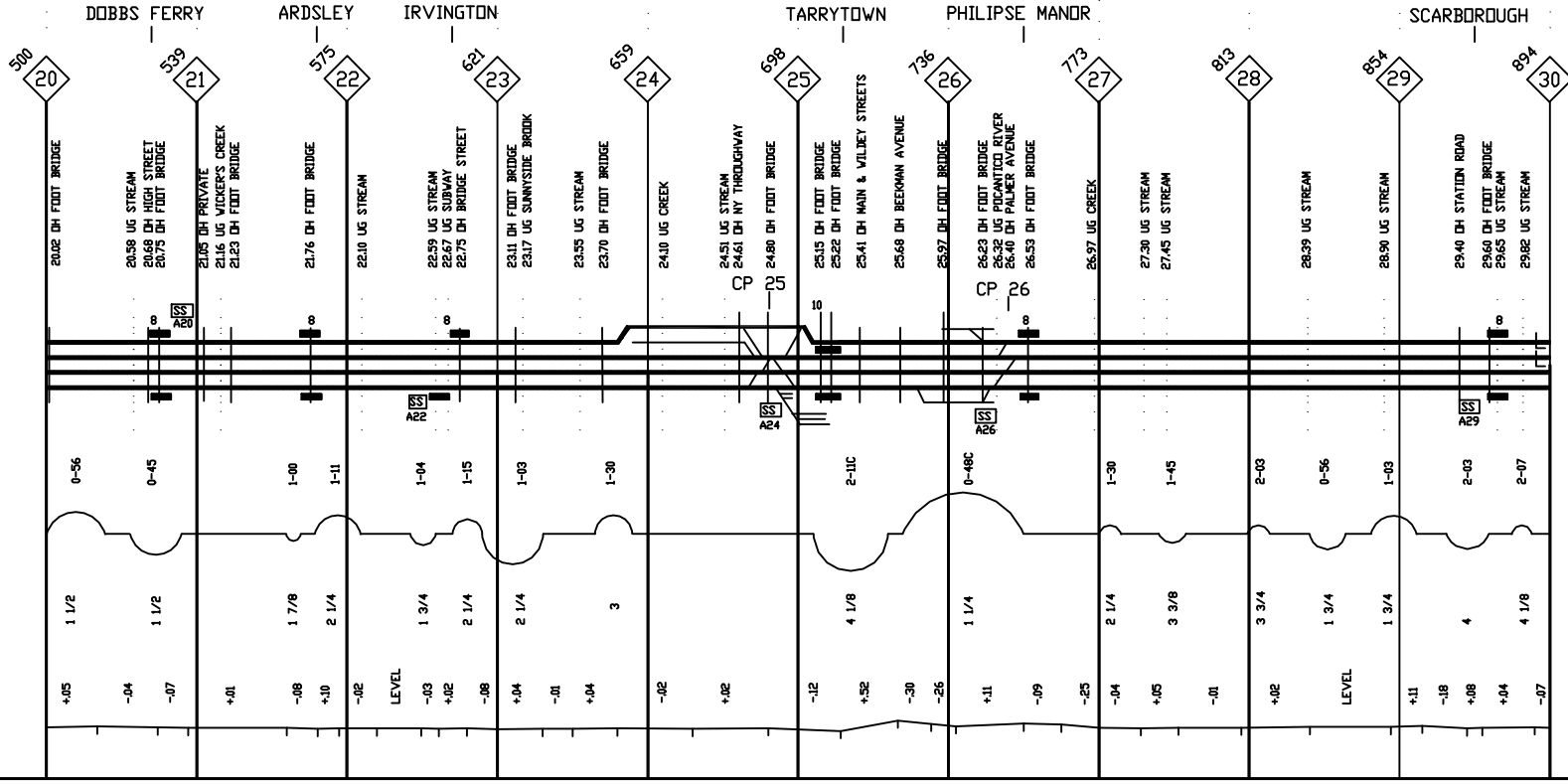
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TIES	07-R										03-R										07-R										03-R										07-R										11-R										09-R									
SURFACING	07-R										03-R										07-R										03-R										07-R										11-R										09-R									
GRINDING	95										95										99										05										95										94										97									
BALLAST CLEANING																																																																						
CLASS OF TRACK																															4																																							

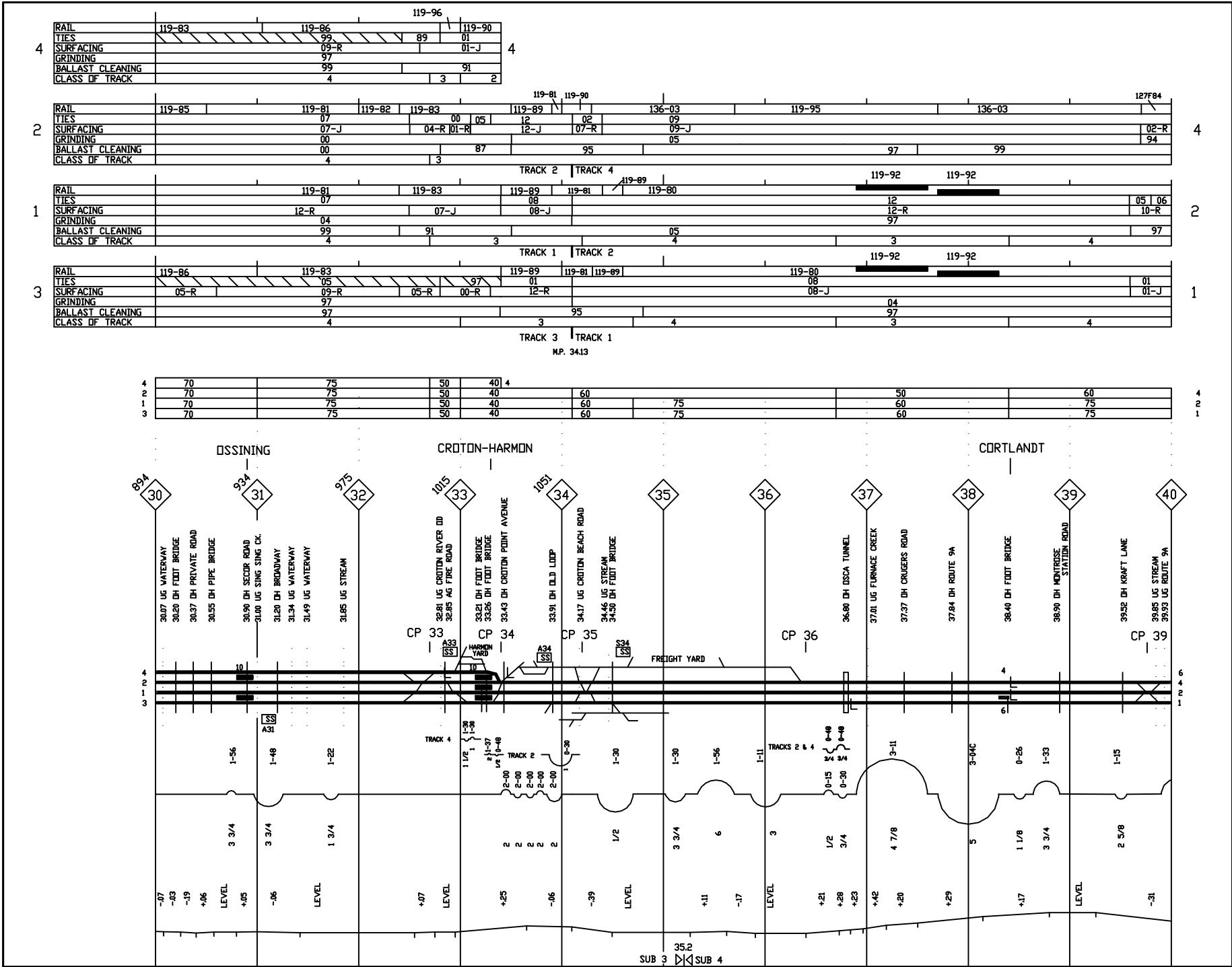
RAIL	119-85										119-78										119-84										119-85																			
TIES	09	10	09										10	09	10										01	07										119-85														
SURFACING	09-J	10-J	09-J										10-J	09-J	10-J										06-R	07-J																								
GRINDING																															00																			
BALLAST CLEANING	00										95										05										95										00									
CLASS OF TRACK																					4																													

RAIL	119-74										119-77										119-78										119-80										119-84										119-80										119-81																			
TIES											11																														07																				119-81																			
SURFACING											11-J																														07-J																				12-R																			
GRINDING											04																																																																					
BALLAST CLEANING											99																																																		00										99									
CLASS OF TRACK																					4																																																											

RAIL											119-81										119-84										119-86																													
TIES											96										05										119-86																													
SURFACING											06-R										06-R										09-R										05-R										09-R									
GRINDING																															97																													
BALLAST CLEANING											06										96																				97																			
CLASS OF TRACK																					4																																							

75	70
75	70
75	70
75	70



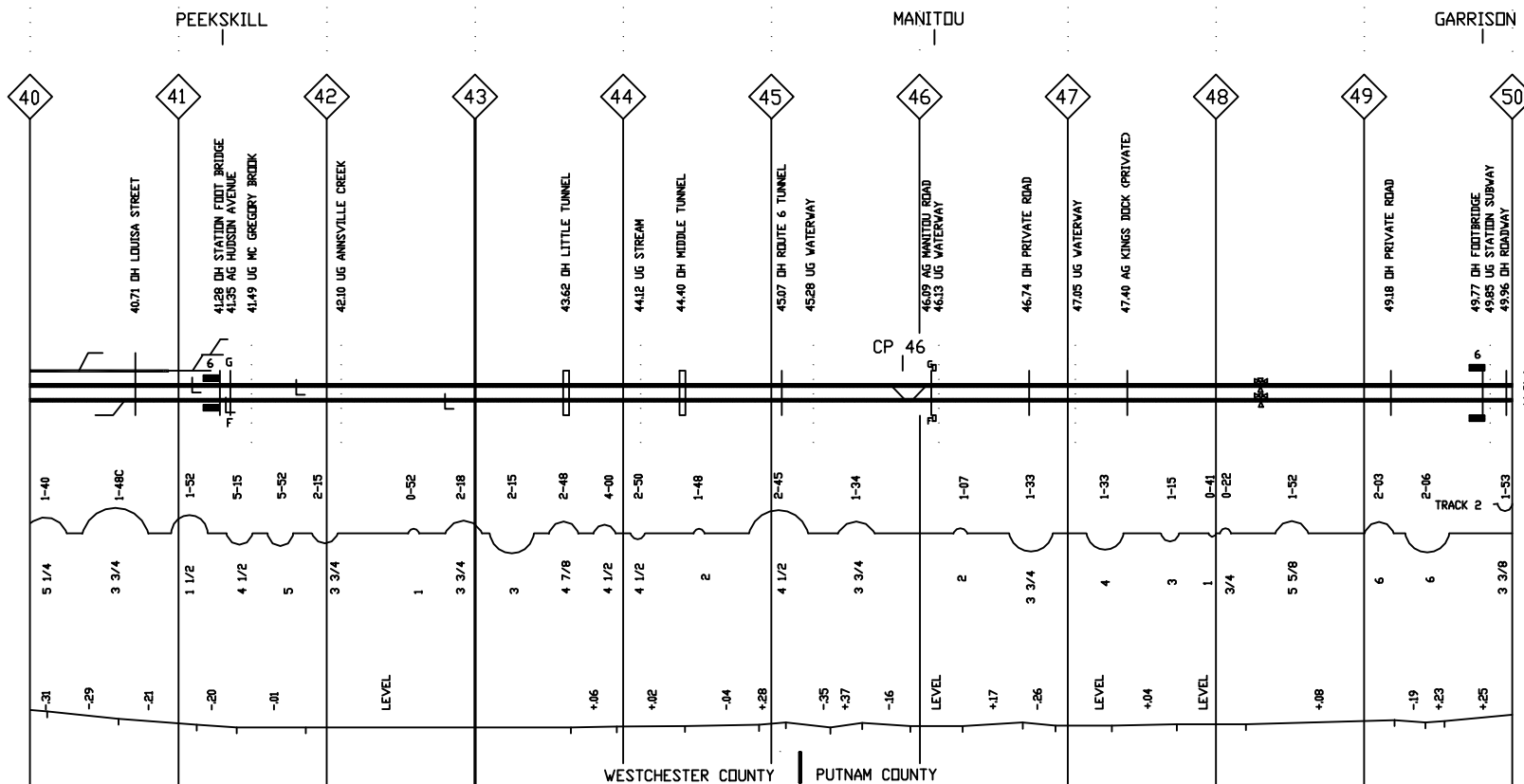


RAIL	127F84
TIES	09
SURFACING	09-J
GRINDING	94
BALLAST CLEANING	99
CLASS OF TRACK	3

	136-10					90	90	90	136-10	90										132-81		
RAIL	119-80		136-08		119-80					119-81	06	136-08		119-81				132-81		136-03		132-81
TIES	06		10															09		07		
SURFACING											11-R											
GRINDING	97			03							05							03				
BALLAST CLEANING	97										02						98				02	
CLASS OF TRACK	4										3									4		

RAIL	119-80		136-06			91	92	91	91	119-80		92				132-81		136-12	132-81
TIES	07		08							07				08		92		07	
SURFACING										12-R									
GRINDING	96									03									
BALLAST CLEANING		06		02						06								97	
CLASS OF TRACK	4									3								4	

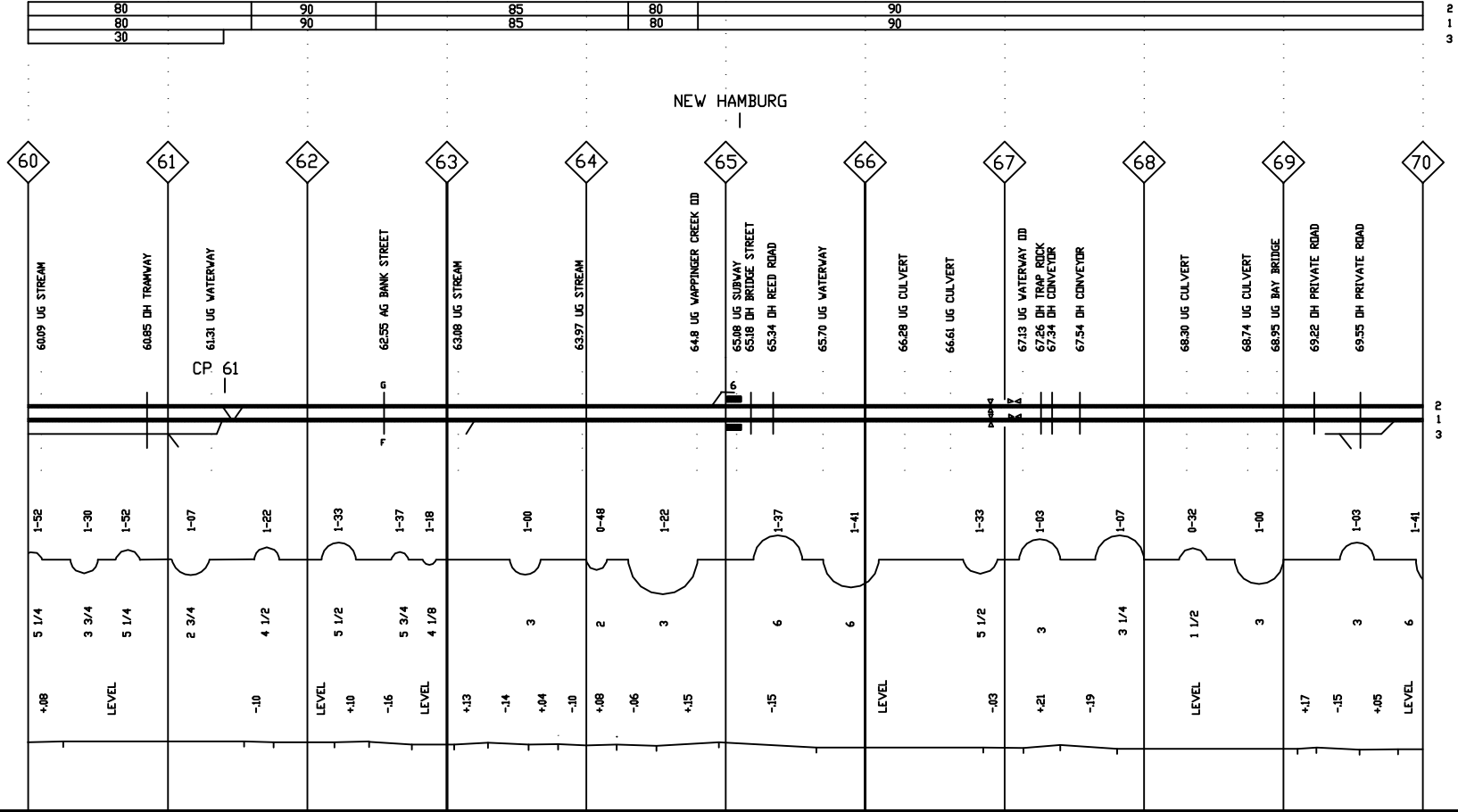
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75	60		45			60		55	60							80	60		80	

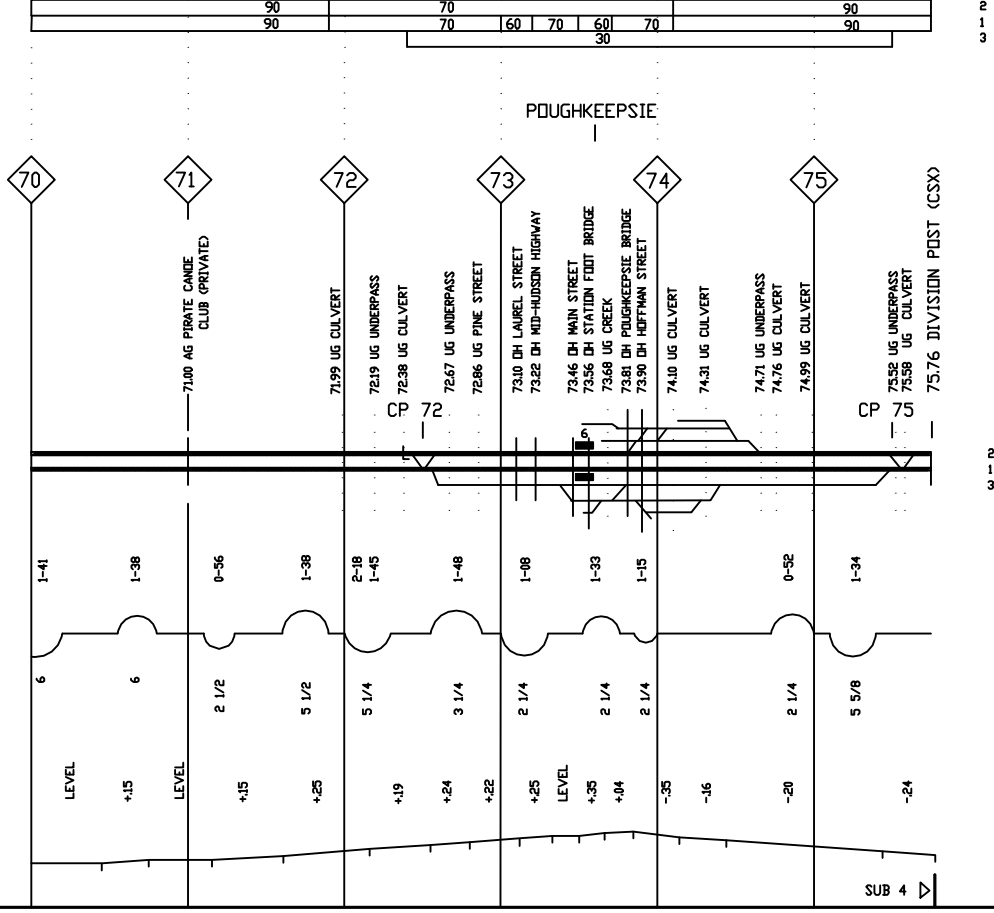


RAIL											132-82										
TIES											09										
SURFACING	08-R										09-R										
GRINDING	00 04										00										
BALLAST CLEANING											98	06 98									
CLASS OF TRACK	4 5										4	5 06 98									

RAIL					132-81				
TIES	08				10				
SURFACING	08-R				10-R				
GRINDING					03			04	
BALLAST CLEANING	97				98	06		98	
CLASS OF TRACK	4		5		4	5			

RAIL	127F85
TIES	12
SURFACING	12-J
GRINDING	92
BALLAST CLEANING	97
CLASS OF TRACK	2





RAIL	132-82
TIES	09
SURFACING	09-R
GRINDING	04
BALLAST CLEANING	98
CLASS OF TRACK	5

RAIL	132-81	132-82
TIES	10	98
SURFACING	10-R	11-R
GRINDING	04	00
BALLAST CLEANING	97	93
CLASS OF TRACK	5	4

RAIL	127F83	127-04
TIES	06	
SURFACING	11-R	
GRINDING		
BALLAST CLEANING	89	89
CLASS OF TRACK	2	

90	70	60	70	60	70	90
90	70	60	70	60	70	90