

C. J. Woolstenholmes,

London and North Eastern Railway Company.

(SOUTHERN SCOTTISH AREA)

G.S

No. 2578.

WAVERLEY EAST—NEW SIGNALLING.

The instructions in this Circular must be carefully read and observed by all concerned.

(F. 3/1584)

EDINBURGH,
28th September 1938.

(55 C)

R. GARDINER,
Superintendent.

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Waverley East—New Signalling.

A New Power Box has been erected at Waverley East from which all points formerly worked from **Waverley East and Abbeyhill Junction Signal Boxes** will be operated electrically and controlled by track circuits.

The new signal box will be known as **Waverley East**.

Complete track circuiting will be provided on all running and platform lines between St Margarets and Waverley East, and London Road Junction and Waverley East, and will be continuous with the existing track circuits at Waverley West as shown on the accompanying diagram.

The connections at the inner end of the bay platform lines will be operated from the existing ground frames, electrically controlled from the new signal box.

Certain internal point connections together with relative signals at the East end of the Goods Yard will be operated from a ground frame electrically controlled from the new signal box. The signals and points referred to are indicated on the diagram by letters A, B, C, D, etc., in lieu of numbers.

The installation will be brought into use in two stages.

On Sunday, 6th November 1938, Abbeyhill Junction Signal Box will be closed and the existing signals worked therefrom removed.

The location will thereafter be worked from Waverley East new box, together with that portion of the new signalling arrangements between the **West end of the Calton Tunnels and St Margarets and London Road Junction** as shown on the accompanying diagram.

SIGNALS REFERRED TO :—

South Main Lines—Nos. 4, 5, 6P, 6, 13, 15, 20, 31, 32, 32P, 33 and 34.

North Main Lines—Nos. 7, 8, 9, 41, 48, 49, 50 and 51.

At Waverley East the following signals will be removed :—

- (1) South Down Main Distant signals to Down Main, Loop, or Suburban.
- (2) South Up Main Advanced Starting, and Banner Repeater.
- (3) South Up Main Shunt-ahead.
- (4) North Down Main Distant signals to Down Main, Loop, or Suburban.
- (5) North Up Main Advanced Starting, and Banner Repeater.
- (6) North Up Main Shunt-ahead.

Block Telegraph Working will be brought into operation between the old and the new Waverley East Signal Boxes for the sections **Waverley East - Abbeyhill Junction** until **Sunday, 20th November**, on which date the complete installation will be brought into use.

During the interim period the undernoted new signals will be slotted from both boxes at Waverley East :—

E. 32	South Up Main Starting.	E. 49	North Up Main Starting.
E. 33	South Up Main "Warning."	E. 50	North Up Main "Warning."
E. 34	South Up Main "Shunt-ahead."	E. 51	North Up Main "Shunt-ahead."

On Sunday, 20th November 1938, Waverley East Old Signal Box will be closed and all the existing signals worked therefrom removed. The remaining portion of the new signalling arrangements, *i.e.*, from **West end of Calton Tunnels towards West end of Waverley Station**, will be brought into use and be controlled from the new power box.

COLOUR LIGHT SIGNALS.

The indications of all running signals will be given by lights both by day and by night.

All colour light signals will be of the multi-unit type, displaying the necessary aspects through separate lamps, and will be fitted with side lights for close up indications.

All colour light signals will be placed to Red after the engine passes them.

All colour light signals carry an enamelled iron plate with a reference letter and numerals to identify each signal, and a full description of each is given in the list of signals included in this notice.

Signals controlled from the new signal box will bear the letter—"E."

Drivers and others having to call attention to the working of any of the signals must always quote the reference letter and number.

The normal aspect of colour light signals controlled from a signal box is Red.

The aspects and meanings of the colour light signals are as shown below :—

Aspect.	MULTI-UNIT.			Meaning.
	2-aspect signal.	3-aspect signal.	4-aspect signal.	
Red	○—No light. ●	○>No lights. ○> ●	○>No lights. ○> ○> ●	Stop.
Single Yellow	● ○—No light.	○>No lights. ●> ○>	○>No lights. ○> ○> ○> ●	Proceed—prepare to stop at next signal.
Double Yellow	—	—	○>No lights. ●> ○> ●	Proceed—pass next signal at restricted speed.
Green... ..	● ○—No light.	●>No lights. ○> ○>	●>No lights. ○> ○> ○>	Proceed.

The attention of Drivers is drawn to the fact that under **normal conditions** a **Red** signal is always preceded by a Yellow signal. **In emergency**, however, a signal displaying either Single Yellow, Double Yellow or Green, may be placed to **Red** in front of a train.

SUBSIDIARY SIGNALS.

All subsidiary signals will be of the internally illuminated banner type ; the “ on ” and “ off ” indications being given by means of a Red or Yellow arm in the horizontal and inclined position, as follows :—



ON



OFF

Ground shunt signals will carry an enamelled iron plate upon which is an arrow pointing to the line to which the signal applies.

Note.—The banner shunt signals in the running lines will precede the running signals for all through movements. It may happen in emergency that a banner shunt signal applicable to the direction and line on which a train is travelling is placed to danger by the Signaller, and in such circumstances the Driver must bring his train to a stand. The banner shunt signals must not be passed at danger, unless specially instructed by the Signaller.

The “ off ” indication of the banner shunt signals authorises Drivers to proceed as far as the line is clear towards the next signal only. Where a shunt signal is provided under a colour light signal, the “ off ” indication may be given with or without a route indication.

BANNER "SHUNT AHEAD"—"WARNING" AND "CALLING-ON" SIGNALS.

Banner "Shunt Ahead"—"Warning" and "Calling-on" signals will be provided under certain of the colour light signals as shown on the diagram; the application being as follows:—

Type	Normal Indication	Off Indication	Meaning of "Off" Indication
Shunt Ahead			Pass Stop Signal for shunting purposes.
Warning			Proceed—Line Clear to next signal only—Junction or line immediately ahead occupied.
Calling-on			Proceed at Caution into occupied platform. Proceed at Caution into occupied platform or siding. (Route indication always exhibited.)
			

The Warning Signal on St Margarets Down Main Starting Signal must only be used for light engines and non-passenger carrying trains.

The Warning Signals on the London Road Junction Down Signals protecting the junctions must only be used for the undernoted trains:—

- (1) Light engines and non-passenger carrying trains.
- (2) Passenger trains booked to call at Abbeyhill Station.

ROUTE INDICATORS.

Route indicators are provided at certain signals, as shewn on the diagram attached. These are for the information of Drivers and ground staff, and the indications at signals 21, 42, 62, 64, 66, 91, 117, 136, 177, will be visible from both sides. Under no circumstances must a movement be made when a route indication is shewn unless the "Running," "Warning" or "Calling-On" signal concerned is "Off."

Route indicators applicable to the bay platform lines shew the number of the platform signalled.

- e.g.*
- 1 to No. 1 Platform.
 - 2 to No. 2 Platform.

Trains approaching the station on the North and South Down Main Lines will receive an indication at the respective signals Nos. 42 and 21, indicating whether they are signalled to the North or South sides of the station.

Route indicators shewing "F.S." will work in conjunction with shunt signals 54, 68, 79 and 152, and will become visible only when the road is set for the facing direction, *e.g.*, North or South Down Main Lines. Drivers receiving these indications must not proceed beyond the Limit of Shunt indicators fixed in the "6-ft. way" at West end of Calton Tunnels.

TELEPHONES.

Telephones are provided at certain colour light signals, as indicated by "D" signs and will give communication with Waverley East Signal Box.

Telephones are also provided at the undernoted locations to enable the ground staff to communicate with the Signalmen in Waverley East:—

- (1) At Goods Yard ground frame.
- (2) At East End of Carriage Siding "D."
- (3) At West End of No. 10 Platform.
- (4) At East End of Carriage Siding "A."
- (5) At West End of No. 1 Platform.

LIST OF SIGNALS.

Note.—The following abbreviations are used in connection with Colour Light Signal Aspects:—

R	...	...	RED.
Y	...	...	SINGLE YELLOW.
YY	...	...	DOUBLE YELLOW.
G	...	...	GREEN.

SIGNAL No.	TYPE OF SIGNAL.	NAME AND APPLICATION.	REMARKS.
4.	Banner	St Margarets Down Main Starting Warning Control.	Slotted from St Margarets Signal Box.
5.	Colour Light 4 Aspect R.Y.YY.G.	St Margarets Down Main Starting Main Aspect Control.	Slotted from St Margarets Signal Box.
6.	Colour Light 3 Aspect R.Y.G. (Two Signals)	Down Main Home to South Down Main, or to North Down Main.	Banner repeaters provided about 186 yards in rear.
7.	Banners (Three Signals)	From London Road Junction Warning Control.	
8.	Colour Light 4 Aspect R.Y.YY.G. (Three Signals)	From London Road Junction Main Aspect Control.	Banner repeater provided about 119 yards in rear on line from Piershill direction.
9.	Colour Light 3 Aspect R.Y.G. (Two Signals)	From London Road Junction Home to South Down Main or to North Down Main.	
13.	Banner	Up Main to South Down Main.	
15.	Banner	South Down Main to Up Main.	
20.	Colour Light 4 Aspect R.Y.YY.G.	South Down Main Home No. 1.	
21.	Colour Light 3 Aspect R.Y.G.	South Down Main Home No. 2 to South Side (S) or to Platform No. 9, Mid-Road 8A or Platform No. 8 (B) or to North Side (N).	} Route Indicator works with this signal. Indications given are shewn in brackets (S), (B), (N). Colour Light repeater in tunnel 108 yards in rear.
21 P.	Colour Light 2 Aspect Y.G.		
24.	Banner	South Down Main Home No. 2 Shunt to South Side or to Platform No. 9, Mid-Road 8A or Platform No. 8, or to North Side.	
28.	Banner	South Down Main Intermediate Shunt (Through 29 points in both directions).	
31.	Colour Light 3 Aspect R.Y.G. (Two Signals). Banner for "Warning" to London Road Junction	South Up Main Junction Starting to London Road Junction, or to Up Main.	London Road Junction controls aspect and Warning leading in that direction.
32.	Colour Light 3 Aspect R.Y.G.	South Up Main Starting.	Banner repeater (32 P.) 52 yards in rear.
33.	Banner	South Up Main Warning.	
34.	Banner	South Up Main Shunt-ahead.	
35.	Banner	} South Up Main Outer Back Shunt to South Side or to North Side.	Colour light repeater in tunnel 108 yards in rear.
35 P.	Colour Light 2 Aspect R.G.		
36.	Banner	South Up Main to North Side Back Shunt.	
39.	Banner	South Up Main Intermediate Back Shunt. (Through 40 points in both directions.)	
41.	Colour Light 4 Aspect R.Y.YY.G.	North Down Main Home No. 1.	
42.	Colour Light 3 Aspect R.Y.G.	} North Down Home No. 2 to South Side (S), or to Platform No. 9 Mid-Road 8A or Platform No. 8 (B) or to North Side (N).	Route Indicator works with this signal. Indications given are shewn in brackets, (S), (B), (N). Colour Light repeater in tunnel 111 yards in rear.
42 P.	Colour Light 2 Aspect Y.G.		

List of Signals—continued.

SIGNAL No.	TYPE OF SIGNAL.	NAME AND APPLICATION.	REMARKS.
45.	Banner	North Down Main Home No. 2 Shunt, to South Side, or to Platform No. 9, Mid Road 8A, or Platform No. 8, or to North Side.	
48.	Colour Light 3 Aspect R.Y.G. (Two Signals). Banner for "Warning" to London Road Junction	North Up Main Junction Starting to London Road Junction, or to Up Main.	London Road Junction controls aspect and "Warning" leading in that direction.
49.	Colour Light 3 Aspect R.Y.G.	North Up Main Starting.	
50.	Banner	North Up Main Warning.	
51.	Banner	North Up Main Shunt Ahead.	
52.	Banner	North Up Main Outer Back Shunt to Down Goods Loop, to Up Suburban, to South Side, to North Down Main or to Up Main.	Colour Light repeater in tunnel, 109 yards in rear.
52 P.	Colour Light 2 Aspect R.G.		
54.	Banner	North Down Main to North Up Main, or to North Down Main (F.S.).	Route Indicator shews F.S. for movement to Down Main only.
57.	Banner	North Up Main Intermediate Back Shunt.	
59.	Banner	North Down Main Intermediate Shunt (Through No. 60 points in both directions).	
61.	Banner	North Up Main Intermediate Starting Shunt, to North Up Main, or to North Down Main, or to South Up Main.	
62.	Colour Light 3 Aspect R.Y.G.	North Up Main Intermediate Starting to North Up Main (N) or to South Up Main (S).	Route Indicator works with this signal. Indications given are shewn in brackets (N), (S).
63.	Banner	Platforms Nos. 8 and 9 and Mid-Road 8A Intermediate Starting Shunt to North Up Main or to South Up Main.	
64.	Colour Light 3 Aspect R.Y.G.	Platforms Nos. 8 and 9 and Mid Road 8A Intermediate Starting, to North Up Main (N) or to South Up Main (S).	Route Indicator works with this signal. Indications given are shewn in brackets (N), (S).
65.	Banner	South Up Main Intermediate Back shunt, to No. 66 Signal, or to No. 87 Signal, or to No. 102 Signal.	
66.	Colour Light 3 Aspect R.Y.G.	South Down Main Home No. 3 to Down Suburban (SUB) or to South Loop (SL) or to Down Main (SM).	Route Indicator works with this signal. Indications given are shewn in brackets (Sub), (SL), (SM).
67.	Banner	South Down Main Home No. 3 Subsidiary, to Goods Yard (GY) or to Down Goods Loop (DG), or, to Down Suburban (SUB), or, to Carriage Siding "D" (CS), or, to South Loop (SL), or, to Down Main (SM), or, to Signal No. 99.	Route Indicator works with this signal. Indications, when given, are shewn in brackets (GY), (DG), (SUB), (CS), (SL), (SM).
68.	Banner	South Down Main Facing Road Shunt (FS).	Route Indicator works with this signal (FS).
79.	Banner	Inner Back Shunt South Down Main, or Down Suburban, to North Down Main (FS), or, to South Up Main, or, to Signal No. 68.	Route Indicator works with this signal, shows (FS) for movement to North Down Main only.
80.	Banner	From Goods Yard Engine Siding.	
85.	Banner	From Goods Yard.	Led by Signal No. 79.
87.	Banner	Up Suburban Back Shunt to Down Goods Loop, or to Up Suburban.	
91.	Colour Light 3 Aspect R.Y.G.	Intermediate Starting South Up Main, or, Up Suburban to North Up Main (N), or, to South Up Main (S).	Route Indicator works with this signal. Indications given are shewn in brackets (N), (S).
92.	Banner	Intermediate Starting South Up Main, or, Up Suburban to North Up Main, or, to South Up Main.	

List of Signals—continued.

SIGNAL No.	TYPE OF SIGNAL.	NAME AND APPLICATION.	REMARKS.
93A.	Colour Light 2 Aspect R.G.	Up Suburban to North Up Main, or, to South Up Main.	Led by Signal No. 91.
93B.	Colour Light 2 Aspect R.G.	Down Goods Loop to North Up Main, or, to South Up Main.	Led by Signal No. 91.
94.	Banner	Up Suburban Starting Shunt.	
95.	Banner	Down Suburban Outer Back Shunt.	
96.	Banner	Down Goods Loop Starting Shunt to Up Suburban, or, to Down Suburban, or to Goods Yard Engine Siding.	Led by Signal No. 79 if movement is to direction of Down Suburban.
99.	Banner	South Down Main Inner Shunt, to Carriage Siding "D," or Signal No. 109, or, to Down Main.	
101.	Banner	Down Main Eastgoing Starting Shunt to Signal No. 91, or to South Down Main.	
102.	Banner	South Up Main Inner Back Shunt, to Carriage Siding "D," or to South Loop, or to Down Main.	Led by Signal No. 109 for movements through 103 R.
104.	Banner	South Loop Eastgoing Starting Shunt, to South Up Main or to Signal No. 79.	
105.	Colour Light 3 Aspect R.Y.G.	South Loop Eastgoing Starting to North Up Main, or, to South Up Main (Direct), or, to South Up Main <i>via</i> 77 and 100 reversed.	
106.	Colour Light 3 Aspect R.Y.G.	South Loop Eastgoing Home.	
107.	Colour Light 3 Aspect R.Y.G.	West Box South Loop Advanced Starting.	Slotted from West Signal Box.
108.	Two Signals, Banner (Warning) Banner (Calling-on)	West Box South Loop Advanced Starting. "Warning" and "Calling-on."	Slotted from West Signal Box.
109.	Banner	South Loop Westgoing Shunt, to Carriage Siding "D," or to South Loop.	
111.	Banner	Carriage Siding "D" Shunt, to South Loop, or to Dead End.	Led by Signals 104 and 105, or NIL.
112.	Colour Light 3 Aspect R.Y.G. Two Signals, Banner (Warning) Banner (Calling-on)	South Loop Westgoing Starting.	Slot from East Box on West Box Signals.
113.	Colour Light 3 Aspect R.Y.G. Two Signals, Banner (Warning) Banner (Calling-on)	Down Main Westgoing Starting.	Slot from East Box on West Box Signals.
114.	Colour Light 2 Aspect R.G.	Down Main Eastgoing Starting to North Up Main, or to South Up Main.	Led by Signal No. 91.
105/114P.	Colour Light 2 Aspect R.G.	Co-acting Signal with 105 when 103 reversed or with 114.	} Mounted in one case.
101/104P.	Illuminated Banner in "Off" position only.	Co-acting Signal with 101 or with 104 when 103 reversed.	
115.	Colour Light 3 Aspect R.Y.G.	West Box Down Main Advanced Starting.	Slotted from West Signal Box.

List of Signals—continued.

SIGNAL No.	TYPE OF SIGNAL.	NAME AND APPLICATION.	REMARKS.
116.	Two Signals, Banner (Warning) Banner (Calling-on)	West Box Down Main Advanced Starting "Warning" and "Calling-on."	Slotted from West Signal Box.
117.	Colour Light 2 Aspect R.Y.	South and North Down Lines Home No. 3 to Platform No. 9 (9) or to Platform No. 8 (8).	Route Indicator works with this Signal. Indications given are shewn in brackets (8), (9).
118.	Banner	South and North Down Lines Home No. 3 Subsidiary to Platform No. 9 (9), or to Mid-Road 8A (8A), or to Platform No. 8 (8).	Route Indicator works with this Signal. Indications where given are shewn in brackets (9), (8A), (8).
119.	Banner	Platforms 8 and 9 and Mid-Road 8A Facing Road Shunt, to North Down Main, or to South Down Main.	Route Indicator works with this Signal (FS).
124.	Banner	Shunt to Platform No. 9 or to Mid-Road 8A, or to Platform No. 8.	
126.	Banner	Platform No. 9 Starting Shunt to Signal No. 64, or to Signal No. 119, or to North Down Main, or to South Down Main.	Led by 119 Signal for move- ments beyond same.
127A	Colour Light 2 Aspect R.G.	Platform No. 9 Starting to North Down Main or to South Down Main.	Led by Signal No. 64.
127B	Colour Light 2 Aspect R.G.	Platform No. 8 Starting to North Down Main, or to South Down Main.	Led by Signal No. 64.
129.	Banner	Platform No. 8 Engine Siding to Mid- Road 8A or to Platform No. 8.	
131.	Banner	Mid-Road 8A to Platform No. 8 Engine Siding to Signal No. 64 or to Signal No. 119.	Led by Signal No. 119 for movement in that direction.
135.	Banner	Platform No. 8 Starting Shunt, to Engine Siding, or to Signal No. 64, or to Signal No. 119.	Led by Signal No. 119 for a movement in that direction.
136.	Colour Light 2 Aspect R.Y.	North Down Main Home No. 3 to Plat- form No. 7 (7), or to Platform No. 6 (6), or to Platform No. 5 (direct) (5), or to Platform No. 5 via 163 (5A), or to Platform No. 4, or to Platform No. 3, or to Platform No. 2.	Route Indicator works with this Signal. Indications given are shewn in brackets (7), (6), (5), (5A), (4), (3), (2).
137.	Banner	North Down Main Home No. 3 Subsidiary to Platform No. 7, or to Platform No. 6, or to Platform No. 5 (direct), or to Platform No. 5 via 163, or to Plat- form No. 4, or to Platform No. 3, or to Mid-Road 2A, or to Platform No. 2, to Signal No. 160, or to Signal No. 169.	Route Indicator works with this Signal. Indications when given will be as shewn in brackets (7), (6), (5), (5A), (4), (3), (2A), (2).
149.	Banner	Shunt North Down Main to Platform No. 6, or to Platform No. 5, or North Up Main to Platform No. 7, or to Platform No. 6, or to Platform No. 5.	
152.	Banner	North Down Main Back Shunt to North Up Main (led by 54), or to North Down Main (led by 54), or to South Down Main Line.	Route Indicator shews (FS) for movement to South Down Main Line only.
153.	Banner	From Platform No. 7 Engine Siding.	Yellow Signal, may be passed in "On" position when making a movement to dead- end.
155.	Banner	Platform No. 7 Starting Shunt to Signal No. 62, or to Signal No. 152, or to Engine Siding.	
156.	Banner	Platform No. 6 Starting Shunt to Signal No. 62, or to Signal No. 152.	
158A	Colour Light 2 Aspect R.G.	Starting Platform No. 7 to North Up Main, or to South Up Main.	Led by Signal No. 62.

List of Signals—continued.

SIGNAL No.	TYPE OF SIGNAL.	NAME AND APPLICATION.	REMARKS.
158B	Colour Light 2 Aspect R.G.	Starting Platform No. 6 to North Up Main, or to South Up Main.	Led by Signal No. 62.
160.	Banner	Shunt North Down Main or North Up Main to Platform No. 5, or to Platform No. 4.	
164.	Banner	Platform No. 5 Starting Shunt, to Signal No. 62 through 163 in both directions, or to Signal No. 152 through 163 in both directions.	
165A	Colour Light 2 Aspect R.G.	Starting Platform No. 5 to North Up Main, or to South Up Main.	Led by Signal No. 62.
165B	Colour Light 2 Aspect R.G.	Starting Platform No. 4 to North Up Main, or to South Up Main.	Led by Signal No. 62.
167.	Banner	Platform No. 4 Starting Shunt to Signal No. 62, or to Signal No. 152.	
169.	Banner	Shunt North Down Main, or North Up Main, to Platform No. 3, or to Mid-Road No. 2A.	
171.	Banner	Platform No. 3 Starting Shunt to Signal No. 62, or to Signal No. 152.	
177.	Colour Light 3 Aspect R.Y.G.	Up Main Home to Platform No. 2 (2), or to Up Main (NM), or to North Loop (NL).	Route Indicator works with this Signal. Indications given are shewn in brackets (2) (NM) (NL).
178.	Banner	Up Main Home Subsidiary to Platform No. 7, or to Platform No. 6, or to Platform No. 5, or to Platform No. 4, or to Platform No. 3, or to Mid-Road 2A, through 170 in either direction, or to Platform No. 2 (2), or to Up Main (NM), or to North Loop (NL), or to Carriage Siding "A" (CS), or to Signal No. 184.	Route Indicator works with this Signal. Indications when given are shewn in brackets (2), (NM), (NL), (CS).
184.	Banner	Up Main Shunt to Mid-Road 2A, or to Platform No. 2, or to Up Main, or to North Loop, or to Carriage Siding "A."	
187.	Banner	Mid-Road 2A Shunt to Up Main through 173 in either direction, or to Signal No. 152.	
188.		Platform No. 2 Starting Shunt to Signal No. 62, or to Signal No. 152.	
189A	Colour Light 2 Aspect R.G.	Starting Platform No. 3 to North Up Main, or to South Up Main.	Led by Signal No. 62.
189B	Colour Light 2 Aspect R.G.	Starting Platform No. 2 to North Up Main, or to South Up Main.	Led by Signal No. 62.
189A P.	Colour Light 2 Aspect R.G.	Co-acting Signal with 189A.	
171/187 P.	Illuminated Banner in "Off" position only	Co-acting Signal with 171 or 187.	} Mounted in one case.
189B P.	Colour Light 2 Aspect R.G.	Co-acting Signal with 189B.	
187/188 P.	Illuminated Banner in "Off" position only	Co-acting Signal with 187 or 188.	} Mounted in one case.
191.	Banner	North Loop Engine Siding Shunt, to Up Main, or to North Loop, or to Carriage Siding "A."	
193.	Banner	Up Main Eastgoing Starting Shunt, to North Loop Engine Siding, or to Signal No. 62.	
194A.	Colour Light 2 Aspect R.G.	Eastgoing Starting Up Main, to North Up Main, or to South Up Main.	Led by Signal No. 62.

List of Signals—continued.

SIGNAL No.	TYPE OF SIGNAL.	NAME AND APPLICATION.	REMARKS.
194B.	Colour Light 2 Aspect R.G.	Eastgoing Starting, North Loop, to North Up Main, or to South Up Main.	Led by Signal No. 62.
194A P.	Colour Light 2 Aspect R.G.	Co-acting Signal with 194A.	} Mounted in one case.
193 P.	Illuminated Banner in " Off " position only	Co-acting Signal with 193.	
196.	Banner	North Loop Eastgoing Starting Shunt to Engine Siding, or to Signal No. 62.	
197.	Colour Light 3 Aspect R.Y.G. Two Signals, Banner " Warning " Banner " Calling-on "	Up Main Westgoing Starting.	Slot from East Box on West Box Signals.
198.	Colour Light 3 Aspect R.Y.G.	West Box Up Main Advanced Starting.	Slotted from West Signal Box.
199.	Two Signals, Banner " Warning " Banner " Calling-on "	West Box Up Main Advanced Starting " Warning " and " Calling-on."	Slotted from West Signal Box.
200.	Banner	North Loop Westgoing Shunt, to North Loop, or to Carriage Siding " A."	
202.	Banner	From Carriage Siding " A " Engine Siding Shunt.	
203.	Banner	Carriage Siding " A " Eastgoing Shunt, to Engine Siding, or to North Loop Engine Siding, or to Up Main.	
204.	Colour Light 3 Aspect R.Y.G. Two Signals, Banner " Warning " Banner " Calling-on "	North Loop Westgoing Starting.	Slot from East Box on West Box Signals.
205.	Colour Light 3 Aspect R.Y.G.	North Loop Eastgoing Home.	
206.	Colour Light 3 Aspect R.Y.G.	West Box North Loop Advanced Starting.	Slotted from West Signal Box.
207.	Two Signals, Banner " Warning " Banner " Calling-on "	West Box North Loop Advanced Starting " Warning " and " Calling-on."	Slotted from West Signal Box.
GOODS YARD GROUND FRAME.			
2 (E).	Banner	Goods Yard to Engine, or Loading Bank Siding.	
5 (A).	Banner	Engine Siding to Goods Yard.	

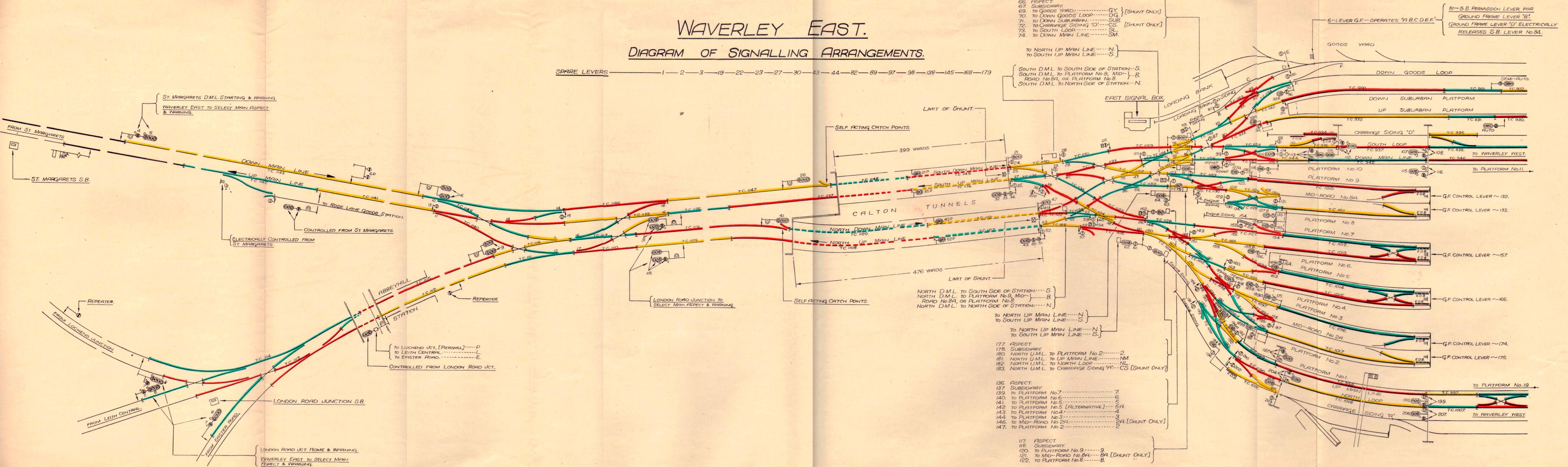
WAVERLEY EAST.

DIAGRAM OF SIGNALLING ARRANGEMENTS.

S.P.A.R.E. LEVERS 1 2 3 19 22 23 27 30 43 44 82 89 97 98 138 145 168 179

- 66. ASPECT
- 67. SUBSIDIARY
- 69. TO GOODS YARD.....GY. [SHUNT ONLY]
- 70. TO DOWN GOODS LOOP.....DG. [SHUNT ONLY]
- 71. TO DOWN SUBURBAN.....SUB.
- 72. TO CARRIAGE SIDING 'D'.....CS. [SHUNT ONLY]
- 73. TO SOUTH LOOP.....SL.
- 74. TO DOWN MAIN LINE.....SM.

81~S.B. PERMISSION LEVER FOR GROUND FRAME LEVER 'B'.
GROUND FRAME LEVER 'D' ELECTRICALLY RELEASES S.B. LEVER No 84.



- TO NORTH UP MAIN LINE.....N
- TO SOUTH UP MAIN LINE.....S

- SOUTH D.M.L. TO SOUTH SIDE OF STATION.....S.
- SOUTH D.M.L. TO PLATFORM No.9, MID~.....B.
- ROAD No.8A, OR PLATFORM No.8.
- SOUTH D.M.L. TO NORTH SIDE OF STATION.....N.

- TO NORTH UP MAIN LINE.....N
- TO SOUTH UP MAIN LINE.....S

- TO NORTH UP MAIN LINE.....N
- TO SOUTH UP MAIN LINE.....S

- 177. ASPECT
- 178. SUBSIDIARY
- 180. NORTH U.M.L. TO PLATFORM No.2.....2
- 181. NORTH U.M.L. TO UP MAIN LINE.....NM
- 182. NORTH U.M.L. TO NORTH LOOP.....NL
- 183. NORTH U.M.L. TO CARRIAGE SIDING 'A'.....CS [SHUNT ONLY]

- 136. ASPECT
- 137. SUBSIDIARY
- 139. TO PLATFORM No.7.....7
- 140. TO PLATFORM No.6.....6
- 141. TO PLATFORM No.5.....5
- 142. TO PLATFORM No.5 [ALTERNATIVE].....5A.
- 143. TO PLATFORM No.4.....4
- 144. TO PLATFORM No.3.....3
- 145. TO MID-ROAD No.2A.....2A [SHUNT ONLY]
- 147. TO PLATFORM No.2.....2

- 117. ASPECT
- 118. SUBSIDIARY
- 120. TO PLATFORM No.9.....9
- 121. TO MID-ROAD No.8A.....8A [SHUNT ONLY]
- 122. TO PLATFORM No.8.....8

St. Margaret's D.M.L. STARTING & WARNING
WAVERLEY EAST TO SELECT MAIN ASPECT & WARNING.

ST. MARGARETS S.B.

REPEATER

FROM LEITH CENTRAL

LONDON ROAD JCT. HOME & WARNING
WAVERLEY EAST TO SELECT MAIN ASPECT & WARNING.

CONTROLLED FROM ST. MARGARETS.

CONTROLLED FROM LONDON ROAD JCT.

LONDON ROAD JUNCTION TO SELECT MAIN ASPECT & WARNING.

SELF ACTING CATCH POINTS.

CALTON TUNNELS

SELF ACTING CATCH POINTS.

EAST SIGNAL BOX.

LIMIT OF SHUNT.

LIMIT OF SHUNT.

NORTH D.M.L. TO SOUTH SIDE OF STATION.....S.

NORTH D.M.L. TO PLATFORM No.9, MID~.....B.

ROAD No.8A, OR PLATFORM No.8.

NORTH D.M.L. TO NORTH SIDE OF STATION.....N.

TO NORTH UP MAIN LINE.....N

TO SOUTH UP MAIN LINE.....S

TO NORTH UP MAIN LINE.....N

TO SOUTH UP MAIN LINE.....S

177. ASPECT

178. SUBSIDIARY

180. NORTH U.M.L. TO PLATFORM No.2.....2

181. NORTH U.M.L. TO UP MAIN LINE.....NM

182. NORTH U.M.L. TO NORTH LOOP.....NL

183. NORTH U.M.L. TO CARRIAGE SIDING 'A'.....CS [SHUNT ONLY]

136. ASPECT

137. SUBSIDIARY

139. TO PLATFORM No.7.....7

140. TO PLATFORM No.6.....6

141. TO PLATFORM No.5.....5

142. TO PLATFORM No.5 [ALTERNATIVE].....5A.

143. TO PLATFORM No.4.....4

144. TO PLATFORM No.3.....3

145. TO MID-ROAD No.2A.....2A [SHUNT ONLY]

147. TO PLATFORM No.2.....2

117. ASPECT

118. SUBSIDIARY

120. TO PLATFORM No.9.....9

121. TO MID-ROAD No.8A.....8A [SHUNT ONLY]

122. TO PLATFORM No.8.....8

6-LEVER G.F. OPERATES 'A,B,C,D,E,F'

DOWN GOODS LOOP

DOWN SUBURBAN PLATFORM

UP SUBURBAN PLATFORM

CARRIAGE SIDING 'D'

SOUTH LOOP

TO WAYERLEY WEST

TO PLATFORM No.11

PLATFORM No.10

PLATFORM No.9

MID-ROAD No.8A

PLATFORM No.8

PLATFORM No.7

PLATFORM No.6

PLATFORM No.5

PLATFORM No.4

PLATFORM No.3

MID-ROAD No.2A

PLATFORM No.2

PLATFORM No.1

UP MAIN LINE

NORTH LOOP

CARRIAGE SIDING 'A'

TO PLATFORM No.19

TO WAYERLEY WEST

TO PLATFORM No.11

TO PLATFORM No.11