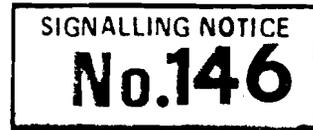


For the information of Railway Staff only.



EASTERN REGION

**SUPPLEMENTARY
NOTICE
of
SIGNALLING
ALTERATIONS**

affecting the working of the line

from

Sunday 30 November 1986.

Trowse area —

abolition of signal boxes.

SIGNALLING RECORD SOCIETY

www.s-r-s.org.uk

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SATURDAY 29 AND SUNDAY 30 NOVEMBER - BETWEEN NORWICH (THORPE JUNCTION) AND SWAINSTHORPE (EXCLUSIVE) AND BETWEEN TROWSE LOWER JUNCTION AND HETHERSETT (EXCLUSIVE)

Trowse Lower Junction, Trowse Yard and Trowse Swing Bridge Signal Boxes, (together with all signals worked therefrom) will be abolished. Trowse Swing Bridge Signal Box will be reduced in status to a Control Cabin for the operation of the Swing Bridge.

New and altered colourlight signalling, controlled from Norwich S.B. will be commissioned and the Track Circuit Block Regulations will apply throughout between Hetherset and Norwich and between Colchester and Norwich.

Reference should be made to the diagrams in this notice.

Renaming of Lines and Introduction of Two-Way Signalling

The "Branch" lines on the Ipswich side of Trowse Lower Junction will be renamed Main Lines and the Main Lines on the Hetherset side of Trowse Lower Junction will be renamed Thetford Lines.

The Down Main (former Down Branch) between the new Up/Down Main crossover (between 113 $\frac{1}{4}$ and 113 $\frac{1}{2}$ mp) and Trowse Lower Junction will be signalled in both directions (this forms part of the continuously Two-Way signalled line into or out of Norwich Station).

Between Trowse Lower Junction and Trowse Swing Bridge

The Down and Up Main lines and the Trowse Loop (for Thetford line trains only) will all be signalled in both directions.

Between Trowse Swing Bridge and Norwich (Thorpe Junction)

The Down Main will become Line "D" which will be signalled in both directions.

The Up Main will become Line "C" which will be signalled in both directions.

Trowse Swing Bridge

The lines over the Swing Bridge will be singled using the former Down Main line. The adjacent former Up Main line over the Swing Bridge will be taken out of use. The connections at each end of the new Single line over the Swing Bridge will be controlled from Norwich signalbox.

Trowse Junction (former Trowse Lower Junction)

Trowse Lower Junction will be renamed "TROWSE JUNCTION" and will be controlled from Norwich signalbox.

The Junction will be remodelled to form a single lead junction, to/from the Hetherset direction. Trains to/from Hetherset will travel over the Up main or Trowse Loop between Trowse Junction and Trowse Yard (both signalled for two-way working).

The Up Siding, (extension of the new Up/Down Trowse Loop, adjacent to the former Up Main/Thetford line) on the Hetherset side of the now closed Trowse Station also the associated trailing connection in the Up Thetford will be secured out of use. (This connection and the associated Up Siding will be used by Passenger Trains during engineering Possessions for the further remodelling of Trowse Junction before final removal).

/ Continued ...

Signalling Alterations

A new indication "D" will be added to the Route Indicators associated with all Norwich Station Platform Departure Signals and the exit signals from Norwich Goods Yard, Carriage Sidings and the Middle Siding. This Route Indication "D" will apply (in conjunction with the main aspect) towards Line "D" new No. 564 Signal.

Catch Points

The catch points in the Up Thetford line at 118³/₄m.p. between Hethersett and Trowse Lower Junction and in the Up Main (at Trowse Lower Junction) at 113m 6lchs will be secured out of use pending removal and replacement by plain line.

Level Crossings

The level crossing telephones at Intwood, Keswick and Eaton level crossings will be reconnected to communicate with Norwich signal box.

Automatic Warning System

A.W.S. track inductors will be provided in conjunction with all new colourlight signals. (In addition, an A.W.S. track inductor will be provided in conjunction with the Hethersett Up Thetford line signal No. HTB.

Description of New Colourlight Signals (Routing Signals only)

NO = Norwich Signalbox prefix.

<u>Signal</u>	<u>Line</u>	<u>Aspect</u> M=Main PL= Position Light	<u>Route Indication</u> or <u>Position No.</u> of <u>Junction Route</u> <u>Indicator</u>	<u>Signal and/or Line</u> <u>Towards Which The Signal</u> <u>Applies</u>
N0549	Down Main	M PL	- -	Down Main N0557 Down Main N0557 line occupied
N0550	Down Main (Up)	M PL	- -	Up Main N0546 Victoria Sidings
N0552	Up Main	M M	Position 1	Up Thetford N0890 Up Main N0546
N0554	Trowse Loop (Up)	M M	Position 1 -	Up Thetford N0890 Up Main N0546
N0557	Down Main	M M	- Position 4	Line D N0565 Line C N0567
N0559	Up Main (Down)	M M	- Position 4	Line D N0565 Line C N0567

/ Continued ...

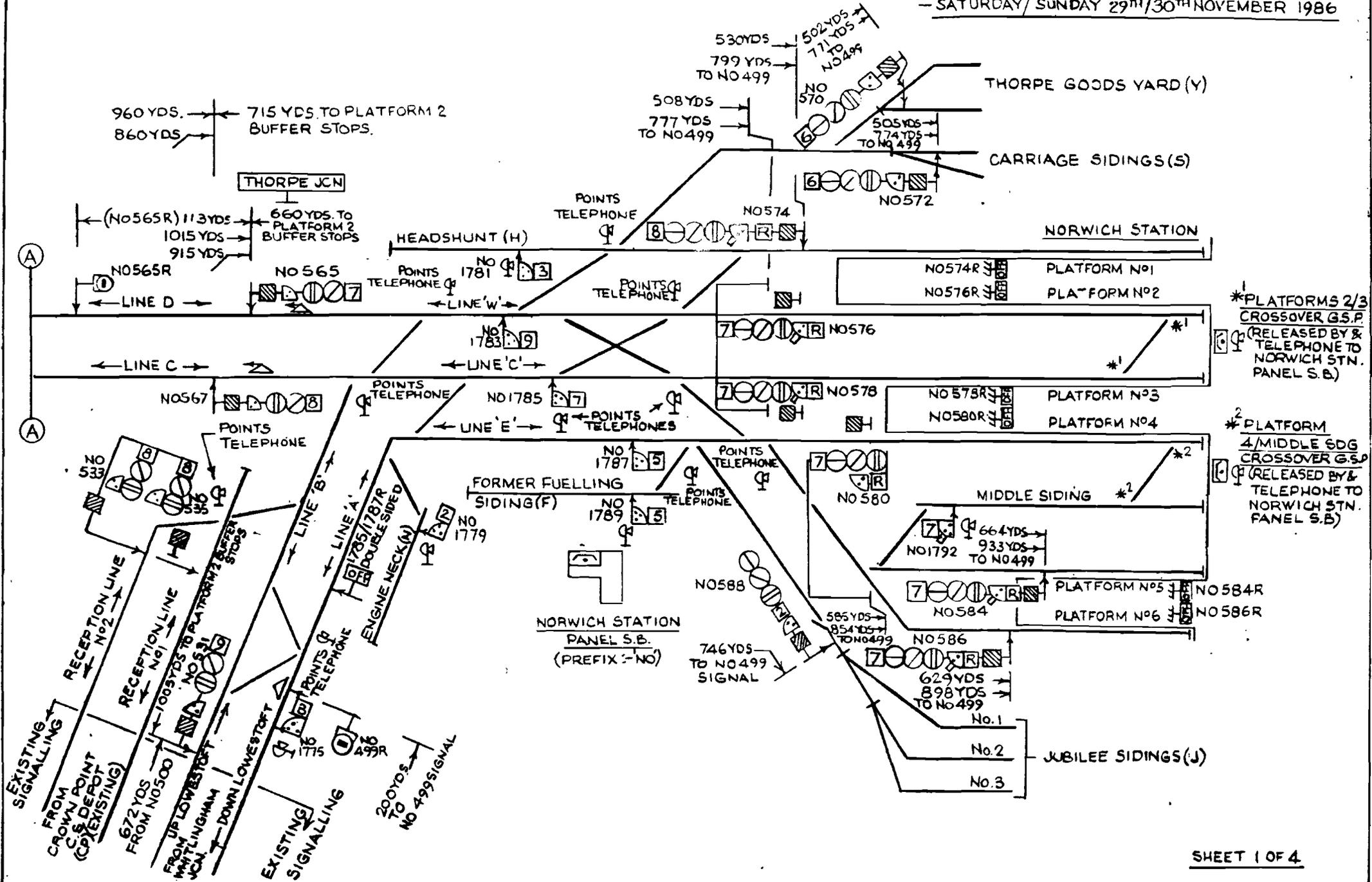
Description of new colour light signals - continued

<u>Signal</u>	<u>Line</u>	<u>Aspect</u> M=Main PL= Position Light	<u>Route Indication</u> <u>or Position No.</u> <u>of Junction Route</u> <u>Indicator</u>	<u>Signal and/or Line</u> <u>towards which the signal</u> <u>applies</u>
N0561	Trowse Loop (Down)	M	-	Line D N0565
		M PL	Position 4 H	Line C N0567 Headshunt Siding
N0564	Line D (Up)	M	Position 1	Trowse Loop N0554 †
		M	-	Up Main N0552 †
		M	Position 4	Down Main N0550 †
N0566	Line C (Up)	M	Position 1	Trowse Loop N0554 †
		M	-	Up Main N0552 †
		M	Position 4	Down Main N0550 †
N0567	Line C (Down)	M	"1" or "2"	Platform 1 or 2 via alternative crossovers
		M	3, 4, 5, or 6 "W"	According to Platform Line W N01783 Position light
		PL	1 or 2	Platform 1 or 2 line occupied via alternative crossovers
		PL	C	Line C N01785
		PL	3, 4, 5, or 6	According to Platform line occupied
N0891	Down Thetford	M	-	Up Main N0559 (Down direction)
		M	Position 4	Trowse Loop N0561 (Down direction)

Position Light Shunting Signals

N01747	Up Main	D	Down Main N0549
		U	Up Main N0559 (down direction)
		L	Trowse Loop N0561
N01749	Up Thetford	U	Up Main N0559 (down direction)
		L	Trowse Loop N0561
N01758	Headshunt Siding	S	Stone Siding
		L	Trowse Loop N0554
N01760	Down Main	L	Trowse Loop N0554
		U	Up Main N0552
		D	Down Main N0550 (Up direction)

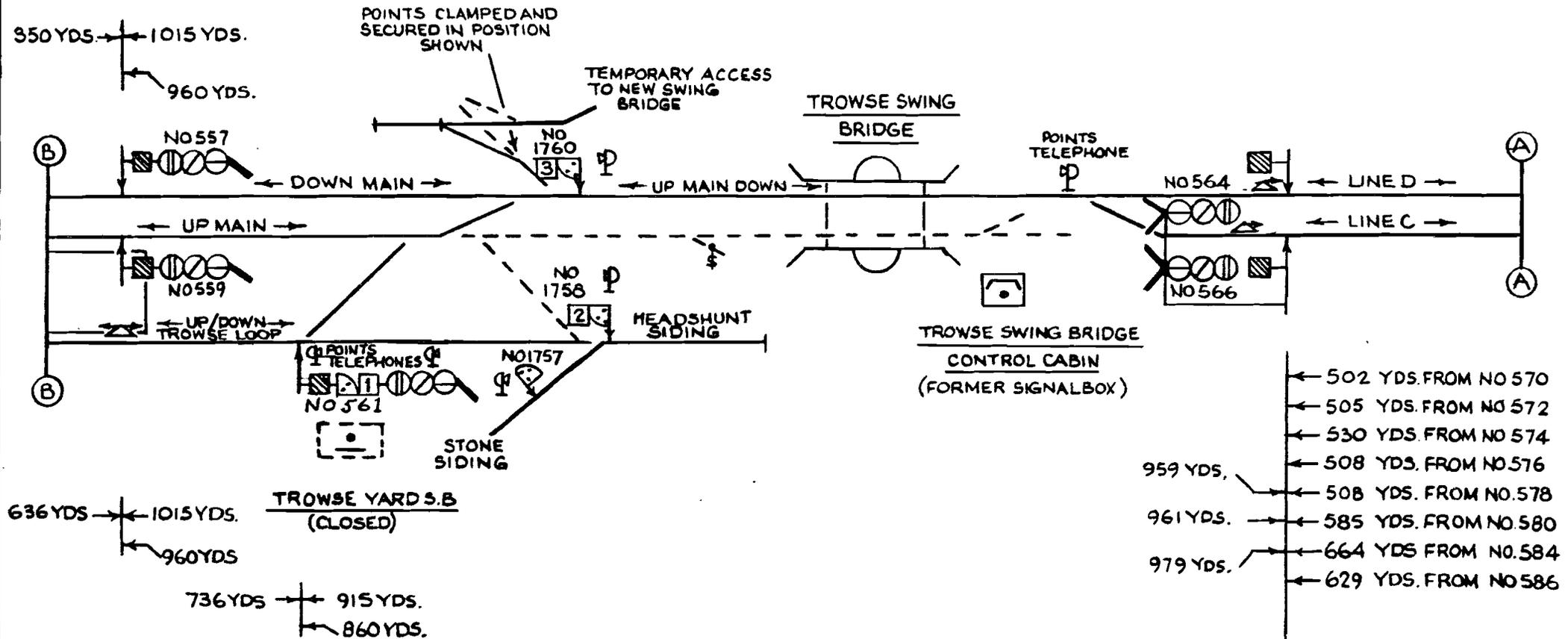
† - Position light signal N01760 will be cleared prior to the setting of this route.

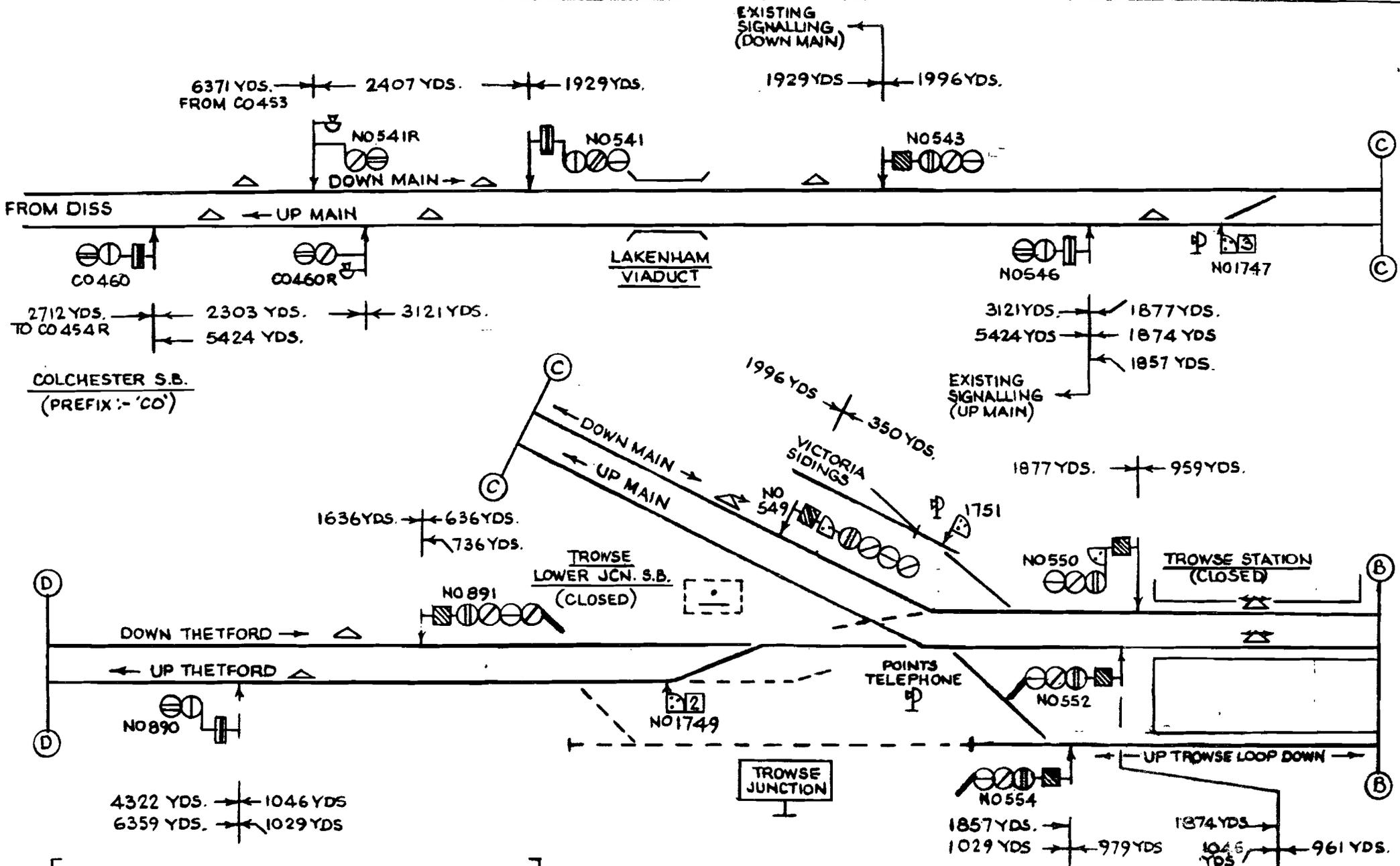


Trowse Swing Bridge

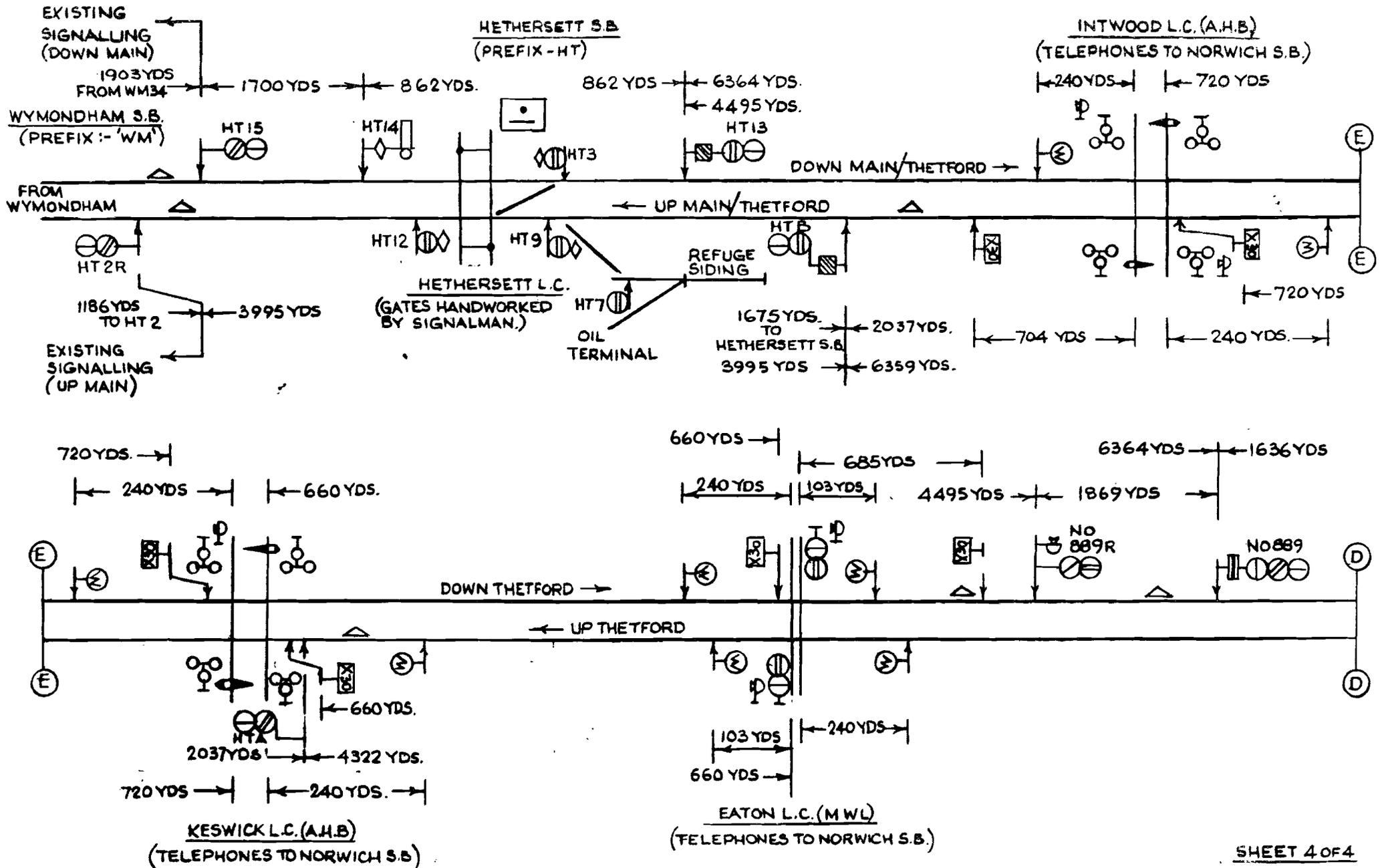
RESIGNALLING BETWEEN NORWICH THORPE JCN. AND SWAINSTHORPE (EXCLUSIVE) AND
BETWEEN Trowse Lower JCN. AND HETHERSETT (EXCLUSIVE)
-SATURDAY / SUNDAY 29TH / 30TH NOVEMBER 1986.

[NOTE :-LINES AND CONNECTIONS SHOWN
DOTTED ARE OUT OF USE.]

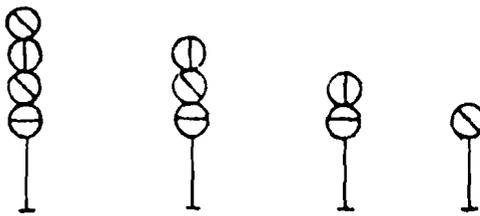




[NOTE :- LINES AND CONNECTIONS SHOWN DOTTED ARE OUT OF USE.]



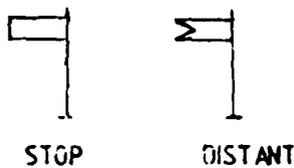
KEY TO THE SYMBOLS SHOWN ON THE DIAGRAM
FIXED SIGNALS - COLOUR LIGHT



- ⊙ GREEN ASPECT
- ⦶ YELLOW ASPECT
- ⊖ RED ASPECT
- ASPECT NOT IN USE

⊕ DOUBLE LINE DENOTES ASPECT NORMALLY DISPLAYED

FIXED SIGNALS - SEMAPHORE



⊞ CONTROLLED SIGNAL WITH TELEPHONE



REPEATING SIGNALS
 (CAN ALSO BE USED WITH COLOUR LIGHT SIGNALS)

FIXED SIGNALS - POSITION LIGHT SHUNTING



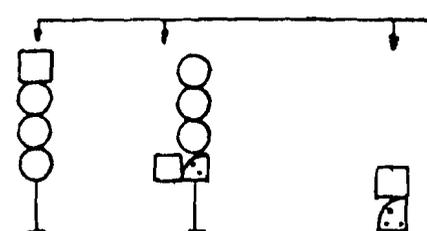
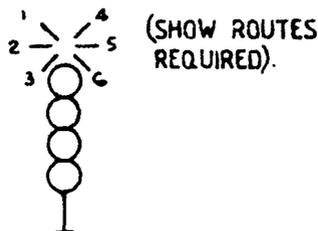
GROUND/ELEVATED POSITION LIGHT SIGNALS.

△ AWS EQUIPMENT SUPPRESSED FOR MOVEMENTS IN OPPOSITE DIRECTION TO ARROW

△ = A.W.S. INDUCTOR

△ P = A.W.S. INDUCTOR - PERMANENT MAGNET

ROUTE INDICATORS



NUMERAL INDICATES NUMBER OF ROUTES WHICH CAN BE DISPLAYED. (EXPLANATION OF ROUTES TO BE GIVEN).

POSITION OF ROUTE INDICATOR RELATIVE TO POSITION LIGHT SIGNAL TO BE SHOWN.

⊞ = Denotes AUTOMATIC SIGNAL - The Rule Book, Section C. Clauses 2.3. & 3.3.4.

⊞ = Denotes SEMI-AUTOMATIC SIGNAL - The Rule Book, Section C. Clauses 2.4. & 3.3.4

3 = ROUTE INDICATOR (Numeral indicates total number of routes).

△ = POSITION LIGHT SIGNAL - Associated with main aspect -

△ P = POSITION LIGHT SIGNAL - Not associated with main aspect -

(Ground shunting signals)

The Rule Book, Section C. Clauses 3.1.3. & 5.1

⊞ = LIMIT OF SHUNT INDICATOR - The Rule Book, Section C. Clauses 3.3.2. & 5.6.