

Water Orton

Resignalling

Water Orton East Junction – Lifford East Junction
and
Sutton Park Lines



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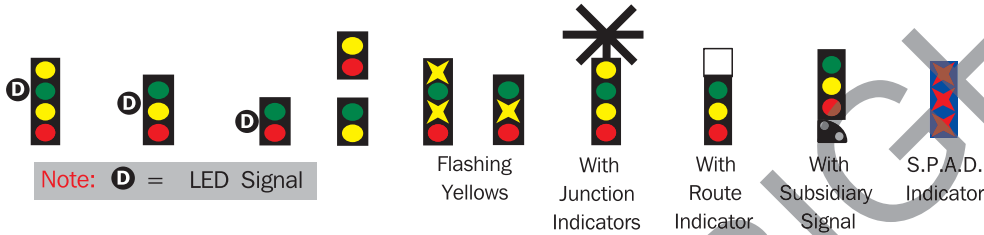
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Legend

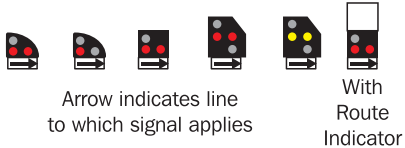
Colour Light Signals



Semaphore Signals



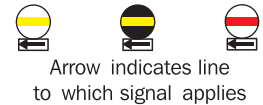
Ground Position Light Signals



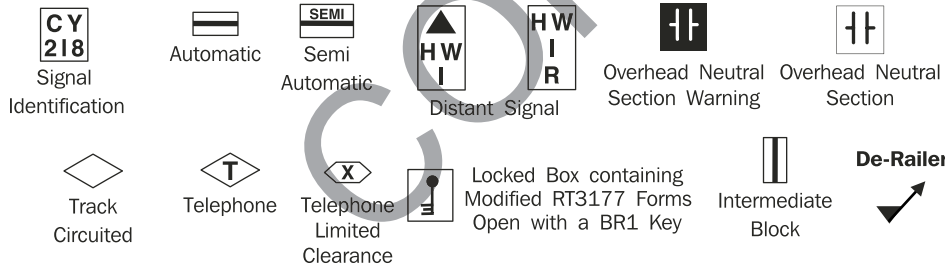
Banner Repeaters



Shunting Signals



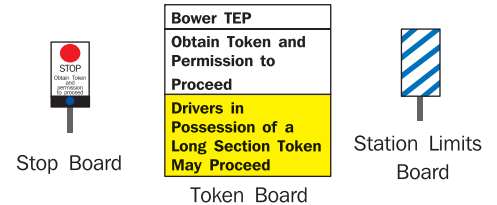
Signal Plates



Limit of Shunt Indicators

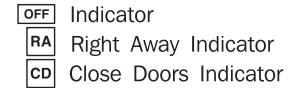
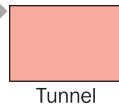
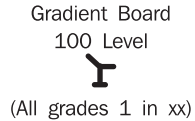
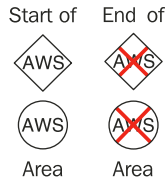
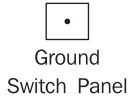
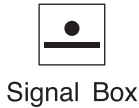
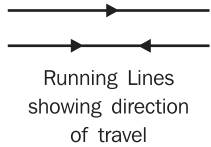


Radio Electric Token Block Signals



Legend

General Information



Permanent Speed Restrictions



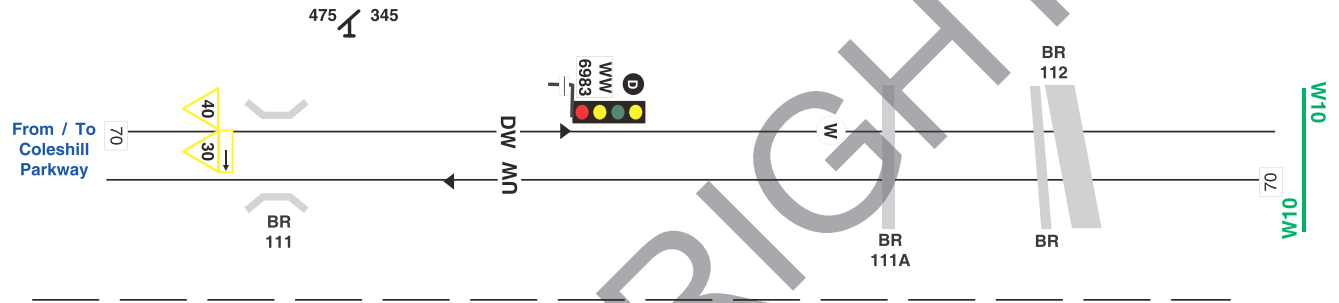
Water Orton East Junction
– Lifford East Junction

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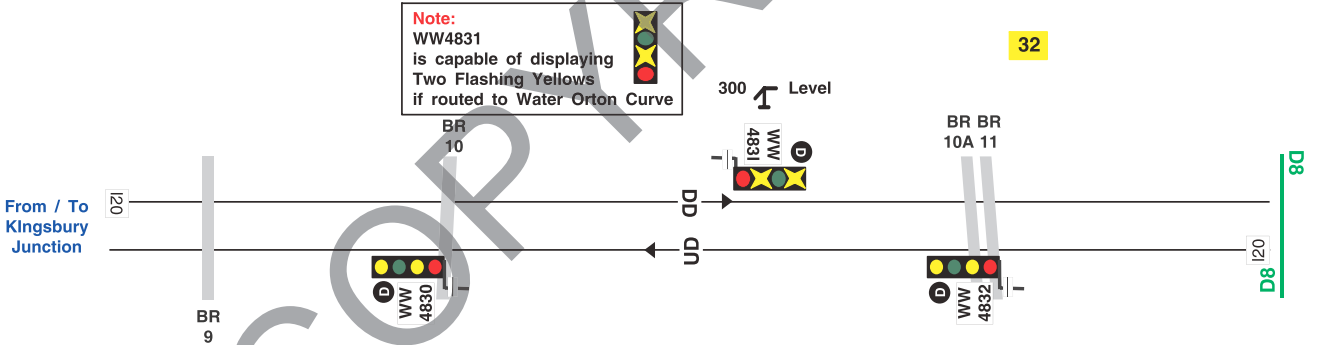
DW Down Whitacre
UW Up Whitacre
DD Down Derby
UD Up Derby

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WW) 



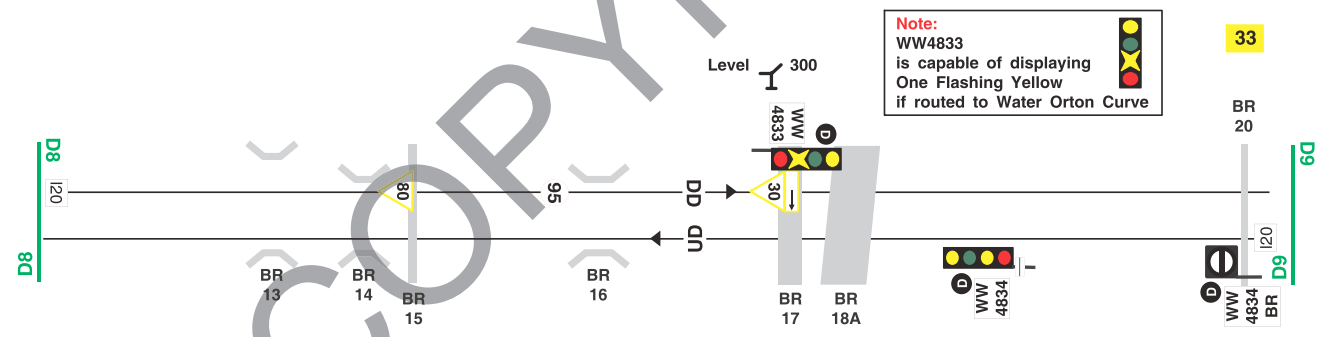
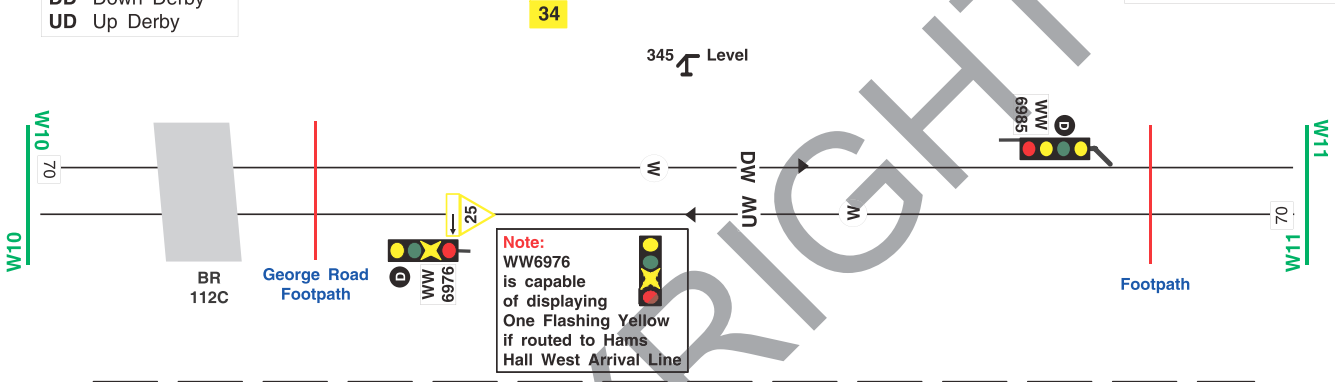
Note:
 WW4831
 is capable of displaying
 Two Flashing Yellows
 if routed to Water Orton Curve

DW Down Whitacre
 UW Up Whitacre
 DD Down Derby
 UD Up Derby

Note:  = LED Head Signal

TCB
 West Midlands S.C. 



DW Down Whitacre
 UW Up Whitacre
 DD Down Derby
 UD Up Derby

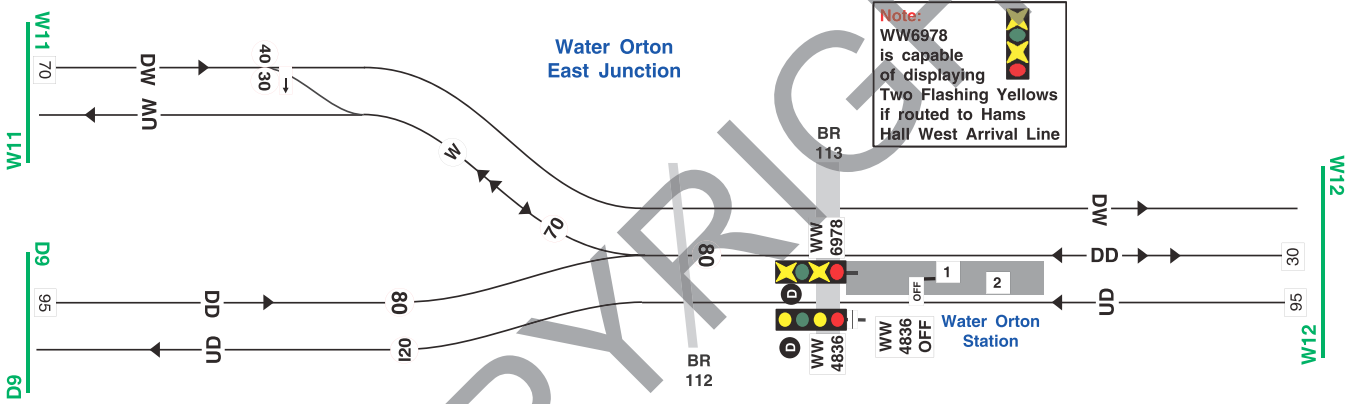
Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WW)

Derby Lines
 Mileage Change
 33m 22ch. | 34m 43ch.

Water Orton
 East Junction

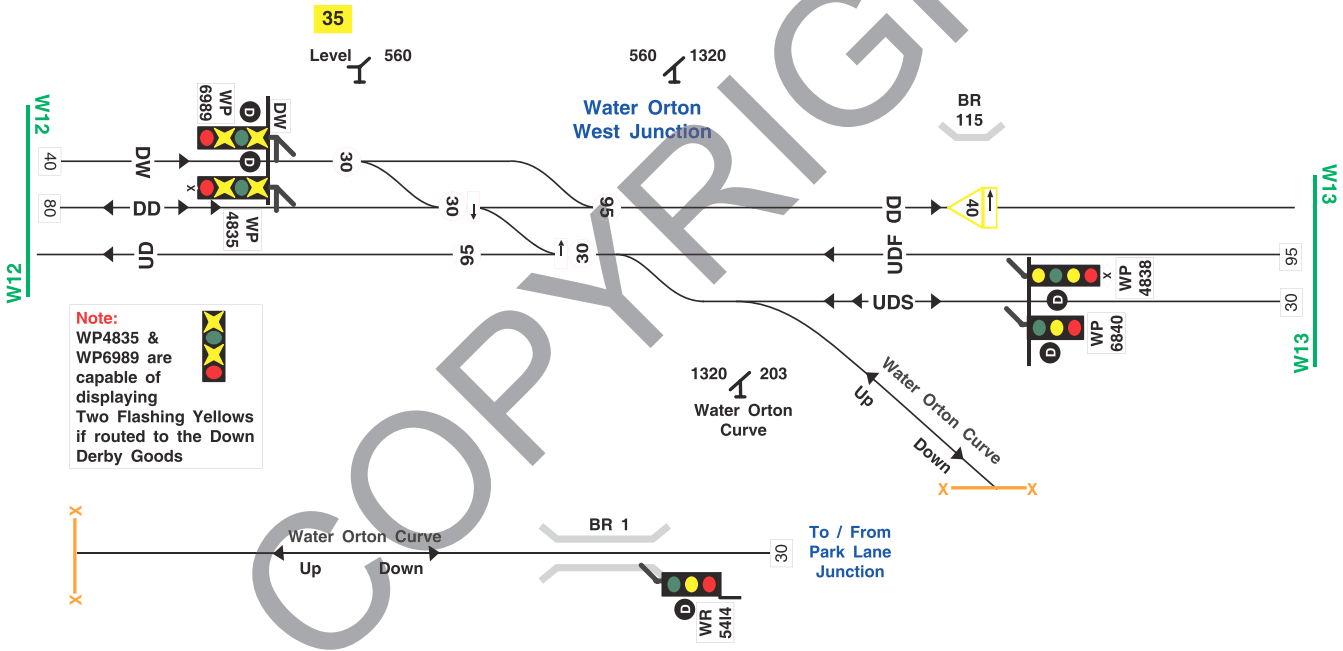
Note:
 WW6978
 is capable
 of displaying
 Two Flashing Yellows
 if routed to Hams
 Hall West Arrival Line



Note: **D** = LED Head Signal

TCB
West Midlands S.C.
(WP,WR) 

- DW** Down Whitacre
- DD** Down Derby
- UD** Up Derby
- UDF** Up Derby Fast
- UDS** Up Derby Slow



Note:
WP4835 &
WP6989 are
capable of
displaying
Two Flashing Yellows
if routed to the Down
Derby Goods

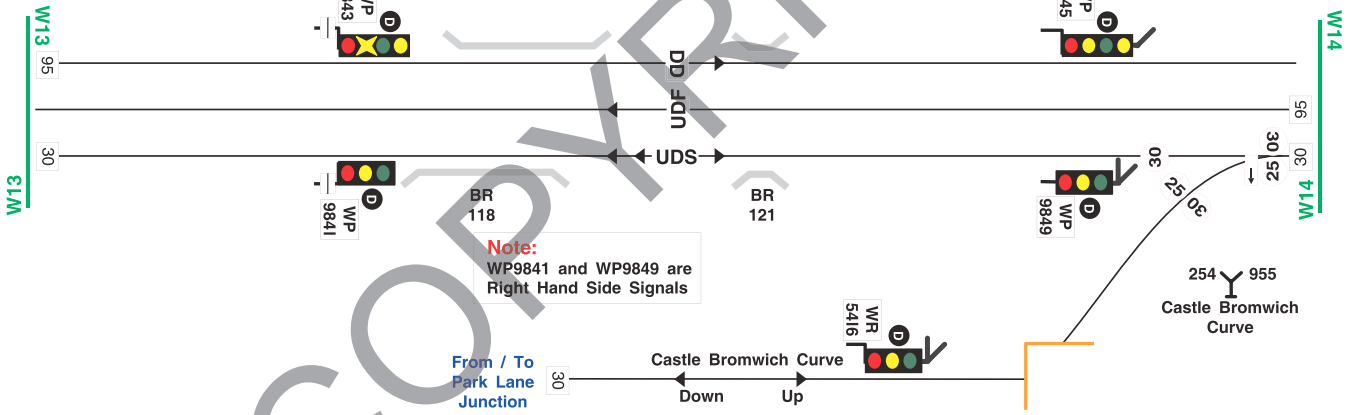
DD Down Derby
UDF Up Derby Fast
UDS Up Derby Slow

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WP,WR) 

Castle Bromwich Curve
 Mileage Change
 0m 55ch. | 36m 08ch.

Note:
 WP4843
 is capable of displaying
 One Flashing Yellow if
 routed to the Down Derby Goods



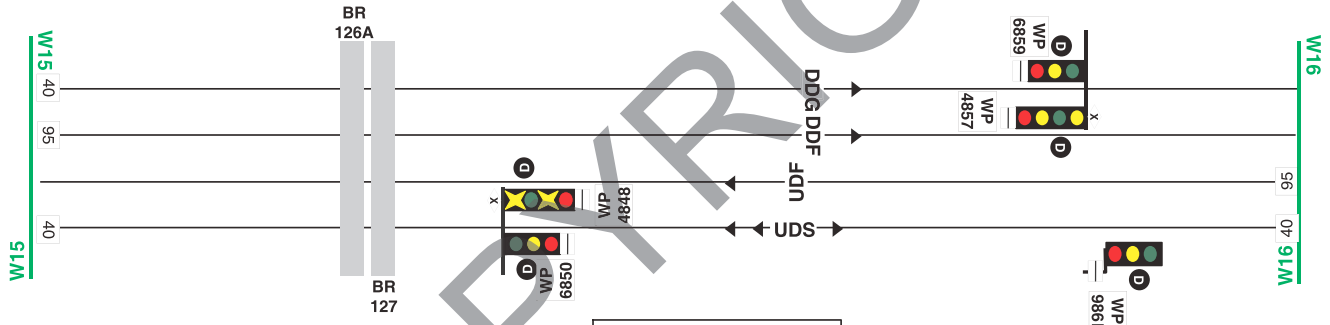
Note:
 WP9841 and WP9849 are
 Right Hand Side Signals

DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow


Note: **D** = LED Head Signal

TCB
 West Midlands S.C. (WP)


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Note:
 WP4848 is capable of displaying Two Flashing Yellows if routed to the Down Derby



Note:
 WP9861 is a Right Hand Side Signal



DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow

Note: **D** = LED Head Signal

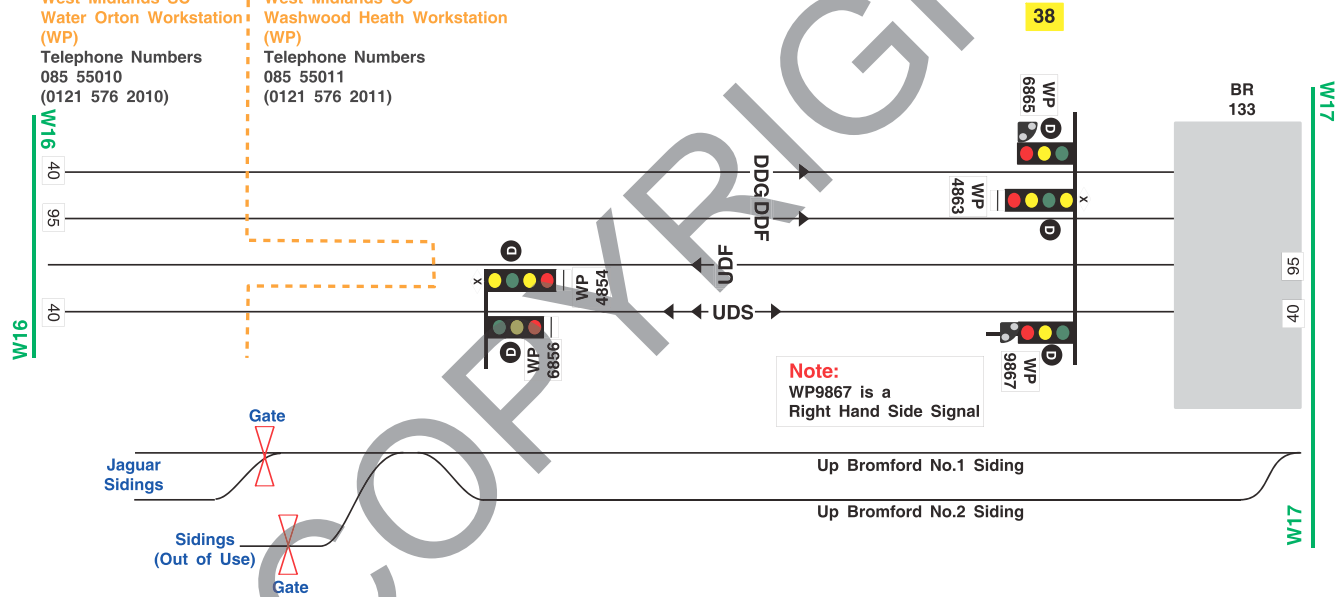
TCB
 West Midlands S.C.
 (WP)



Supervisor's Panel Telephone Numbers
 085 55016 (0121 576 2015)

West Midlands SC
 Water Orton Workstation (WP)
 Telephone Numbers
 085 55010
 (0121 576 2010)

West Midlands SC
 Washwood Heath Workstation (WP)
 Telephone Numbers
 085 55011
 (0121 576 2011)



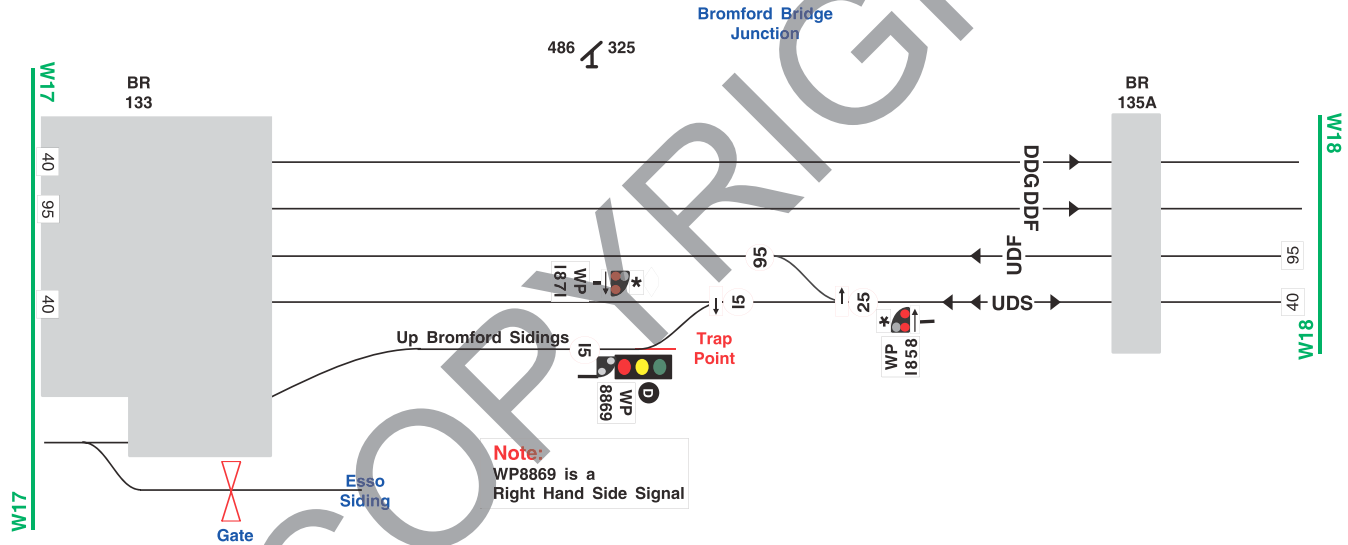
Note:
 WP9867 is a
 Right Hand Side Signal

DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow

Note: **D** = LED Head Signal

* = See Table of Routes

TCB
 West Midlands S.C.
 (WP)

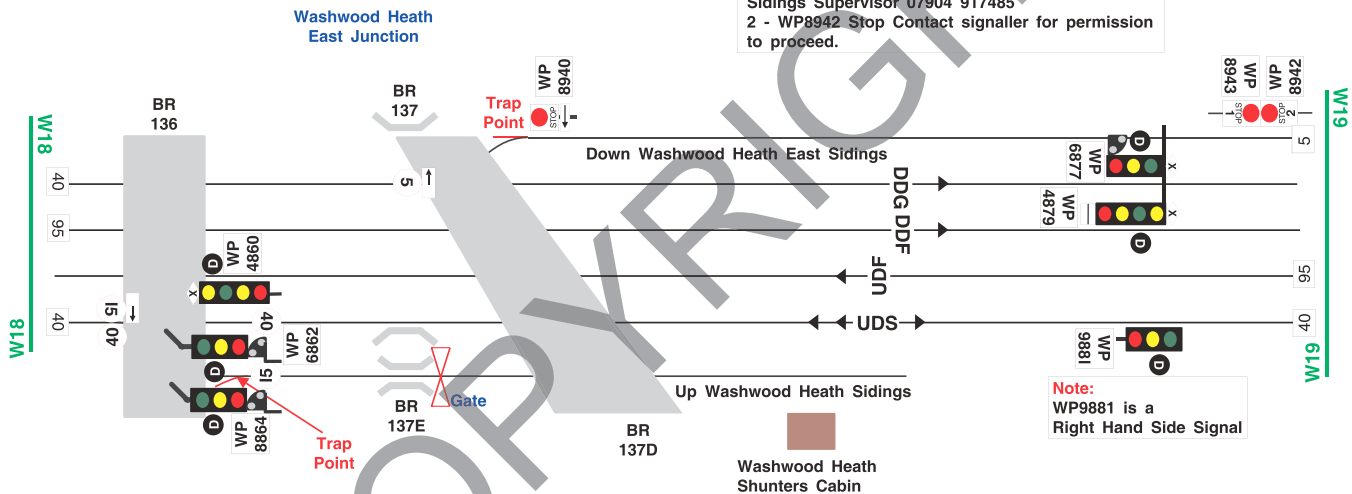
DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WP)



Signs read:-
 1 - WP8943 Stop Obtain permission to proceed.
 Sidings Supervisor 07904 917485
 2 - WP8942 Stop Contact signaller for permission to proceed.



Note:
 WP9881 is a
 Right Hand Side Signal

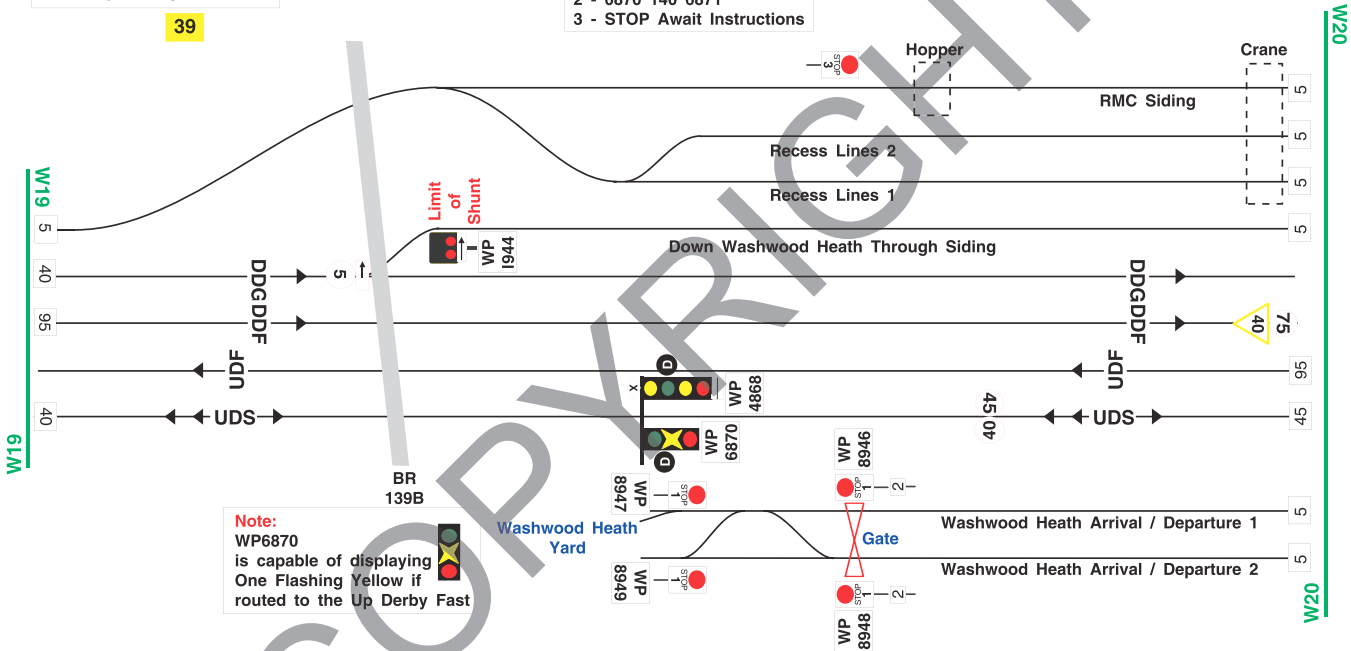
DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow

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Note: **D** = LED Head Signal

Signs Read:-
 1 - STOP and Telephone
 2 - 0870 140 6871
 3 - STOP Await Instructions

TCB
 West Midlands S.C.
 (WP)



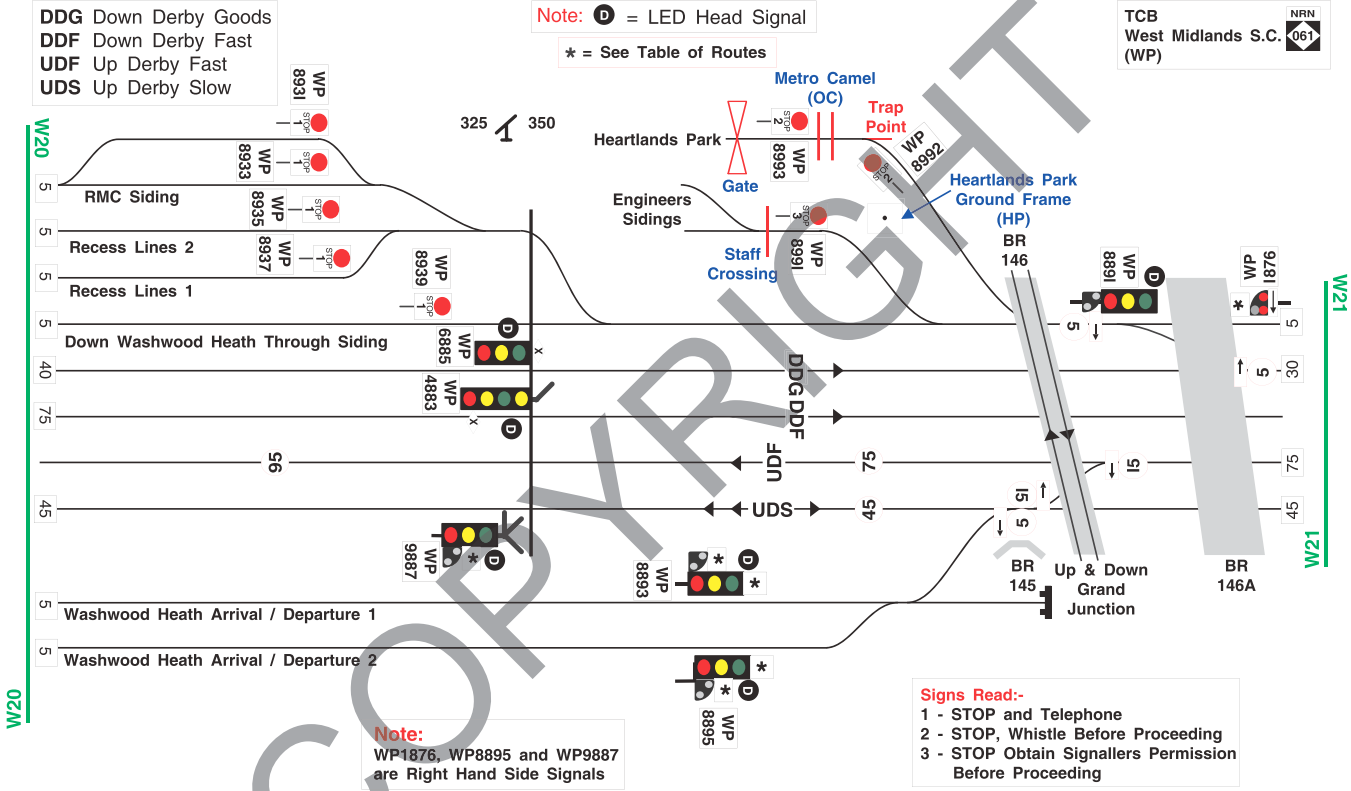
Note:
 WP6870
 is capable of displaying
 One Flashing Yellow if
 routed to the Up Derby Fast

DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow

Note: **D** = LED Head Signal

* = See Table of Routes

TCB
 West Midlands S.C.
 (WP)



Note:
 WP1876, WP8895 and WP9887
 are Right Hand Side Signals

Signs Read:-
 1 - STOP and Telephone
 2 - STOP, Whistle Before Proceeding
 3 - STOP Obtain Signallers Permission
 Before Proceeding

DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow

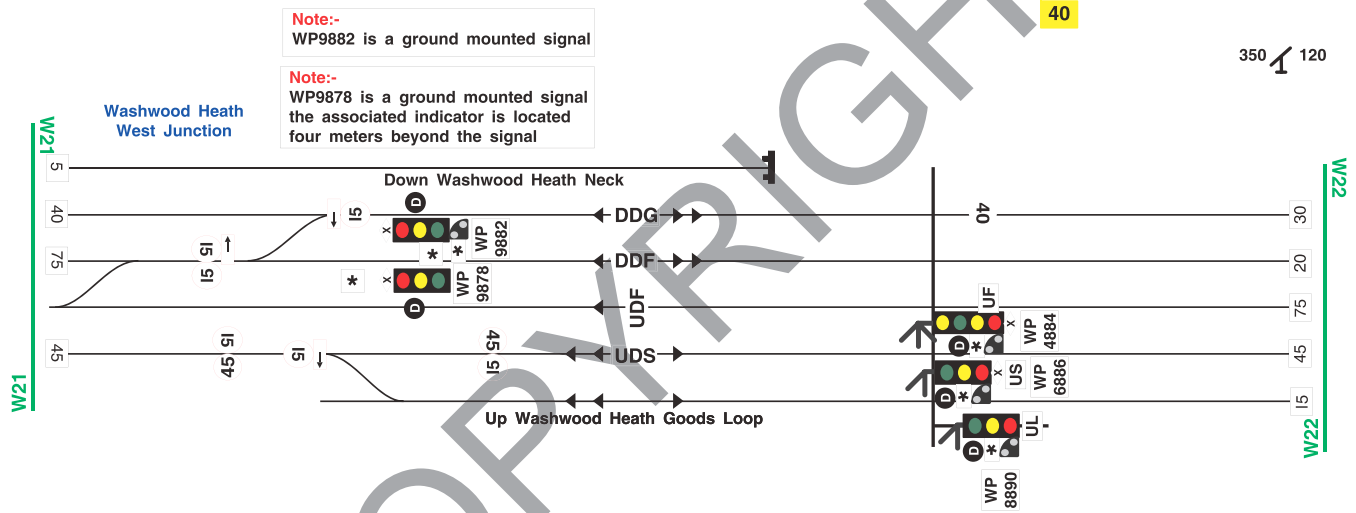
Note: **D** = LED Head Signal

* = See Table of Routes

TCB
 West Midlands S.C. 
 (WP)

Note:-
 WP9882 is a ground mounted signal

Note:-
 WP9878 is a ground mounted signal
 the associated indicator is located
 four meters beyond the signal



DDG Down Derby Goods
DDF Down Derby Fast
UDF Up Derby Fast
UDS Up Derby Slow

Note: **D** = LED Head Signal

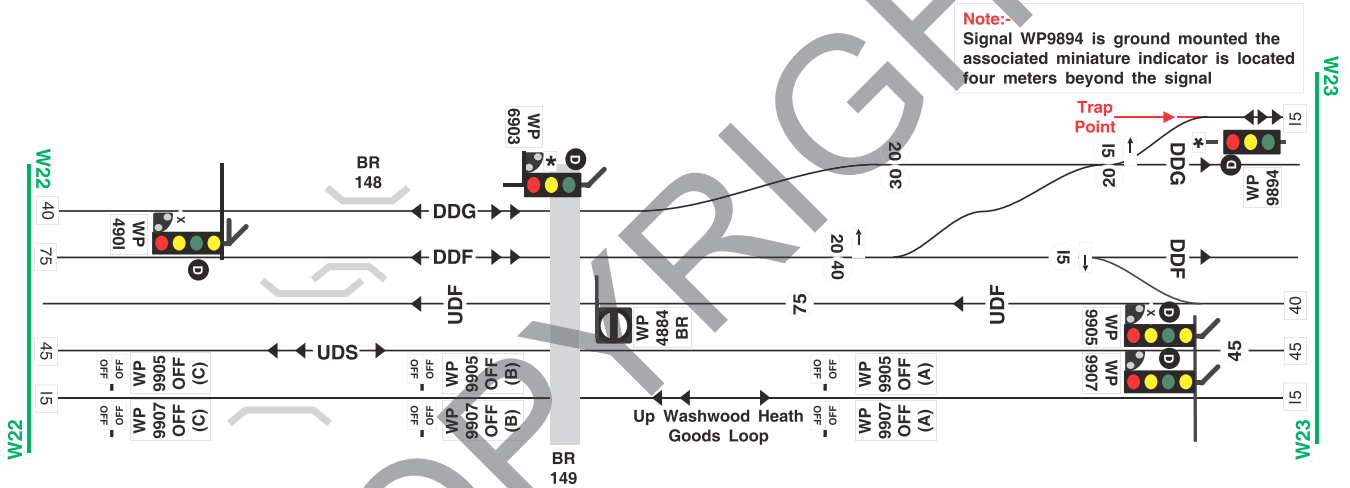
* = See Table of Routes

T.C.B.
 West Midlands S.C.
 (WP)



Duddleston Junction

Note:-
 Signal WP9894 is ground mounted the associated miniature indicator is located four meters beyond the signal



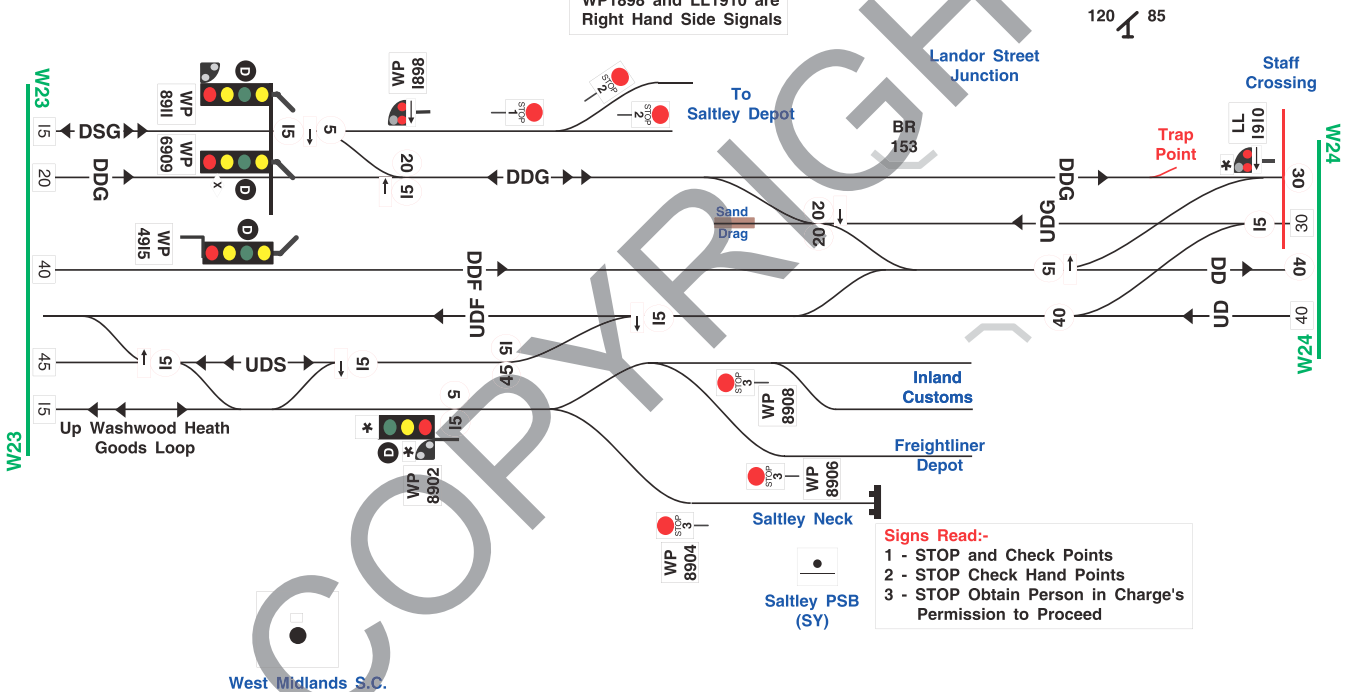
DDG Down Derby Goods	DD Down Derby
DDF Down Derby Fast	UD Up Derby
UDF Up Derby Fast	UDG Up Derby Goods
UDS Up Derby Slow	
DSG Down Salltley Goods Loop	

Note: **D** = LED Head Signal

TCB
West Midlands S.C.
(WP,LL) 

* = See Table of Routes

Note:
WP1898 and LL1910 are
Right Hand Side Signals



- Signs Read:-**
- 1 - STOP and Check Points
 - 2 - STOP Check Hand Points
 - 3 - STOP Obtain Person in Charge's Permission to Proceed

DD Down Derby
 UD Up Derby
 DSA Down St. Andrew's
 USA Up St. Andrew's

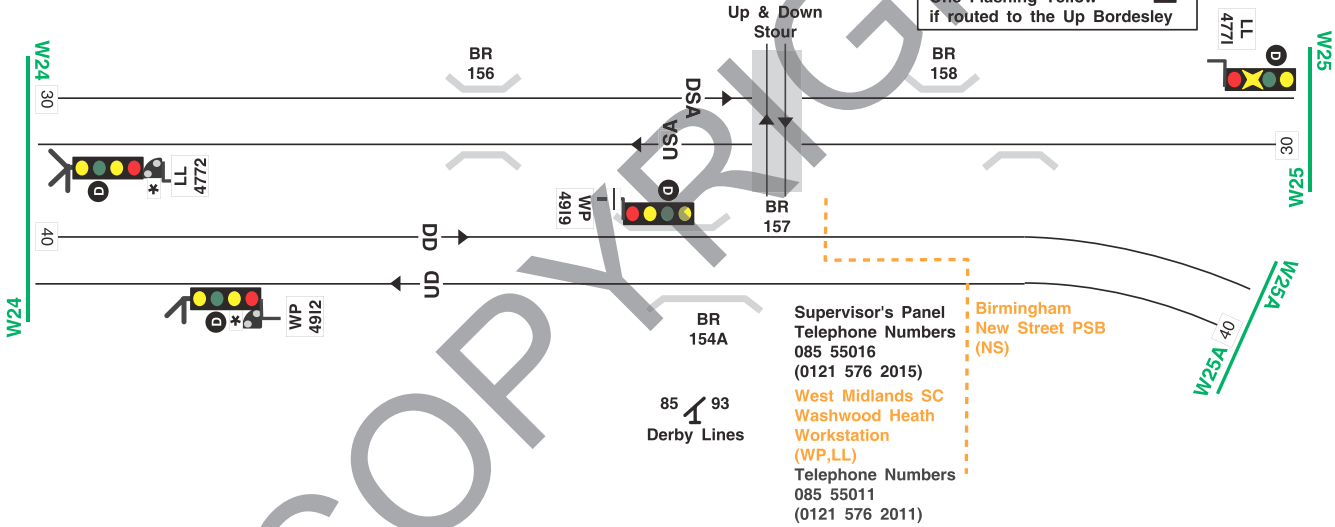
Note: **D** = LED Head Signal

* = See Table of Routes

TCB
 West Midlands S.C.
 (WP,LL) 

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Note:
 LL4771
 is capable of displaying
 One Flashing Yellow
 if routed to the Up Bordesley

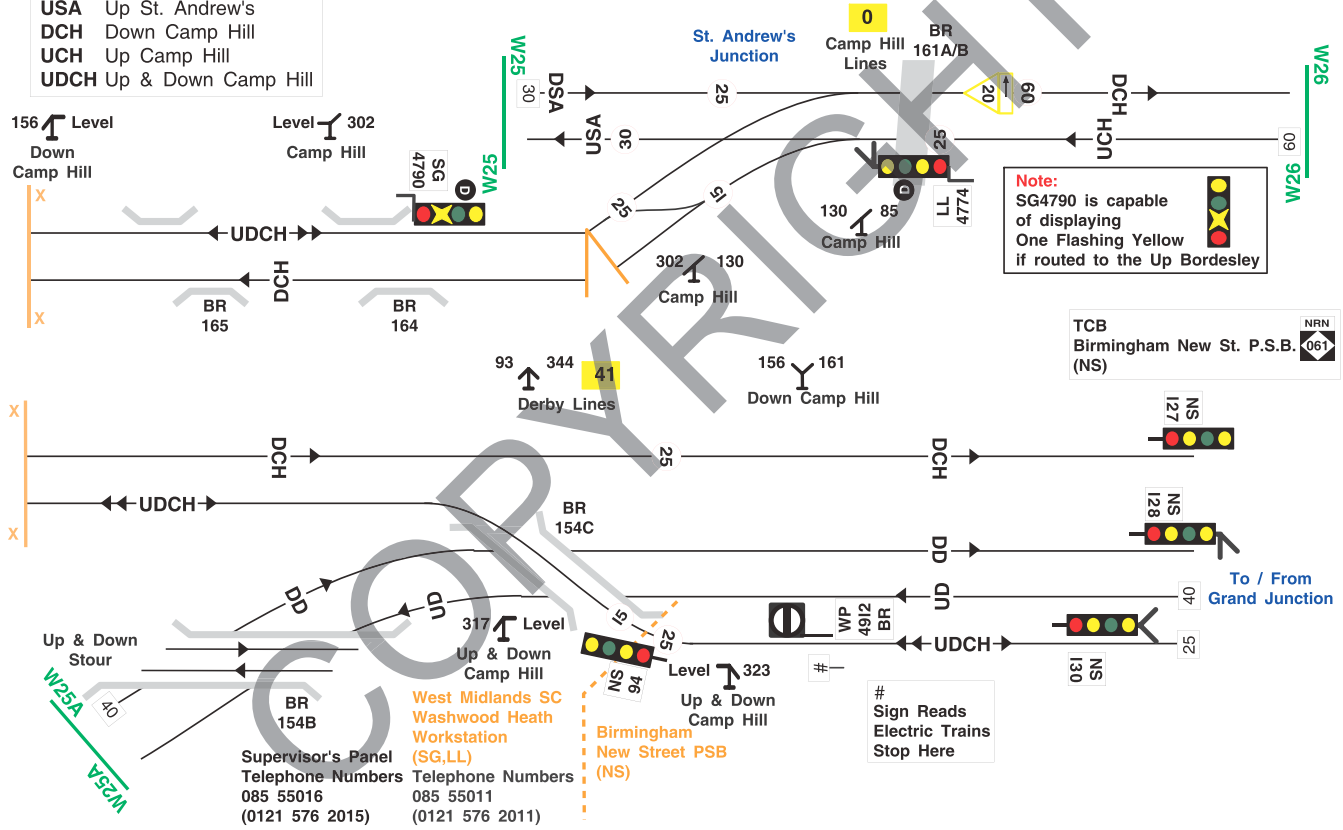


- DD** Down Derby
- UD** Up Derby
- DSA** Down St. Andrew's
- USA** Up St. Andrew's
- DCH** Down Camp Hill
- UCH** Up Camp Hill
- UDCH** Up & Down Camp Hill

Note: **D** = LED Head Signal

Camp Hill Lines
Mileage Change
 0m 00ch. 1 41m 18ch.

TCB
 West Midlands S.C.
 (WP,LL,SG)



Note:
 SG4790 is capable
 of displaying
 One Flashing Yellow
 if routed to the Up Bordesley



TCB
 Birmingham New St. P.S.B.
 (NS)



Supervisor's Panel Telephone Numbers
 085 55016
 (0121 576 2015)

West Midlands SC Washwood Heath Workstation (SG,LL) Telephone Numbers
 085 55011
 (0121 576 2011)

Sign Reads
 Electric Trains
 Stop Here

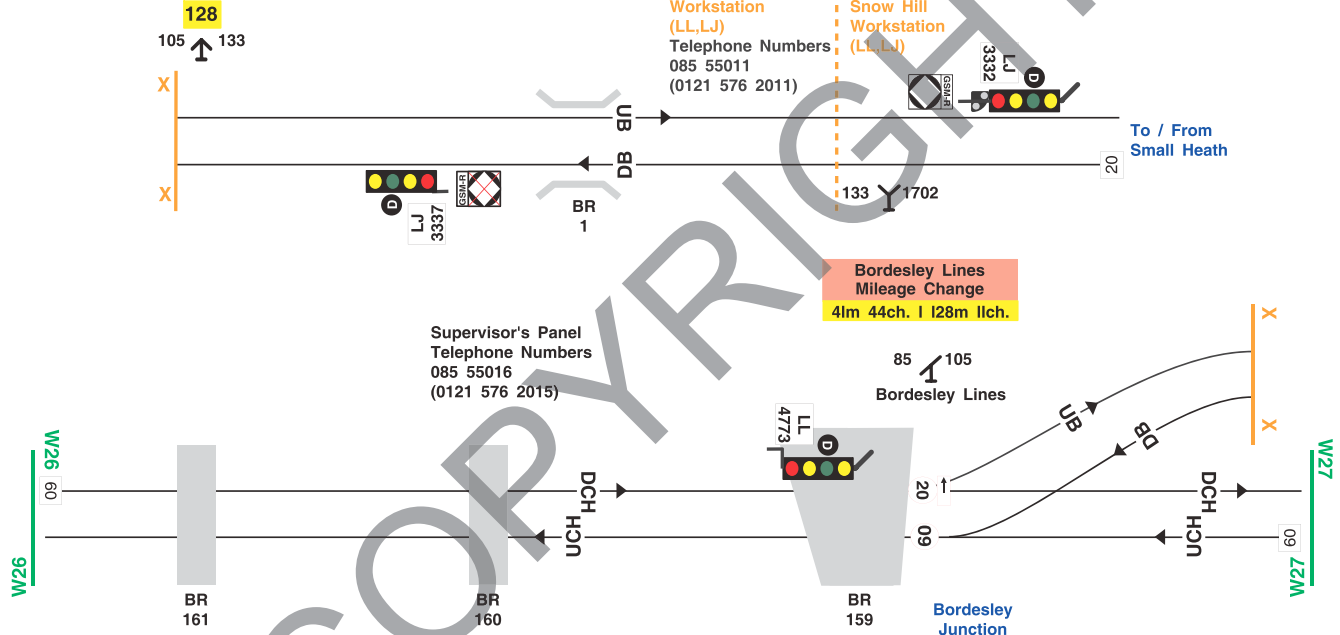
DCH Down Camp Hill
UCH Up Camp Hill
DB Down Bordesley
UB Up Bordesley

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (LL, LJ) 

Supervisor's Panel Telephone Numbers

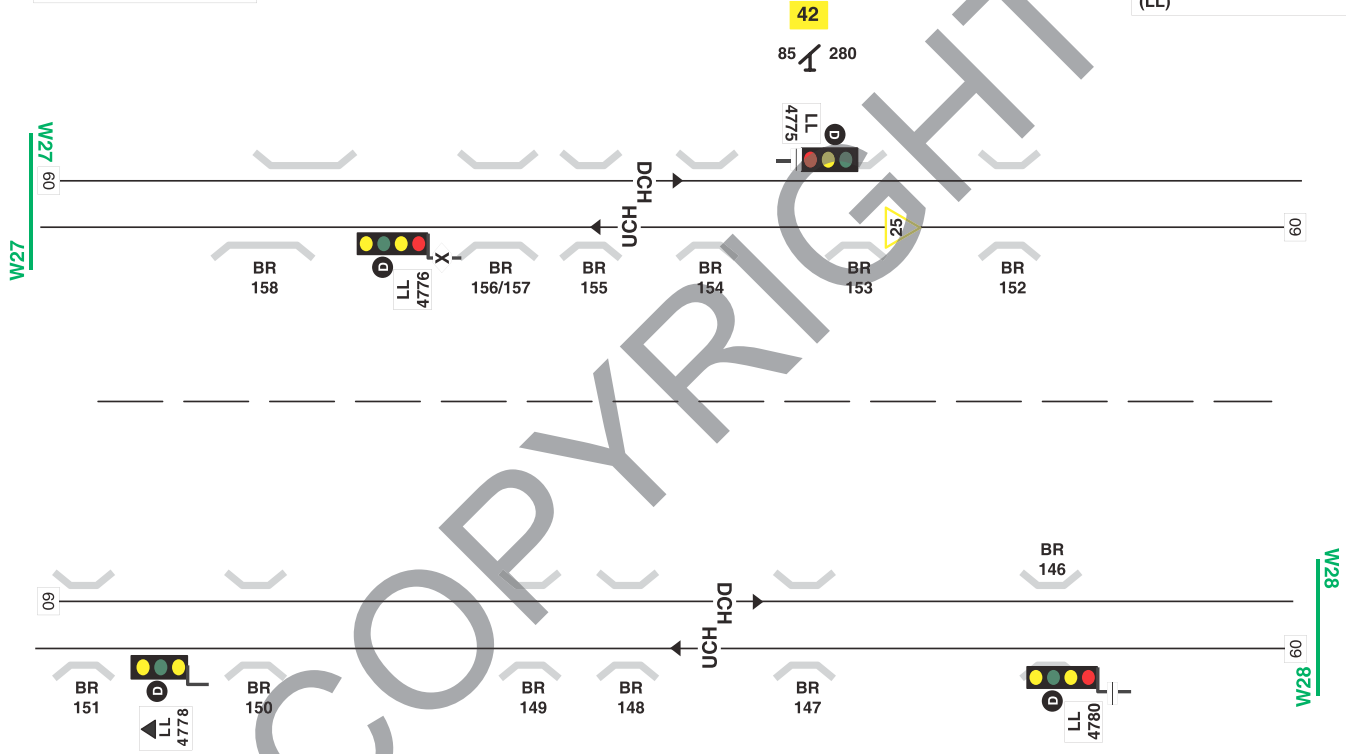
085 55016 (0121 576 2015)
 West Midlands SC Bordesley SSI (30) Interlocking
 Washwood Heath West Midlands SC
 Workstation Snow Hill
 (LL,LJ) Workstation
 Telephone Numbers (L,L,L)
 085 55011
 (0121 576 2011)



DCH Down Camp Hill
UCH Up Camp Hill

Note: **D** = LED Head Signal

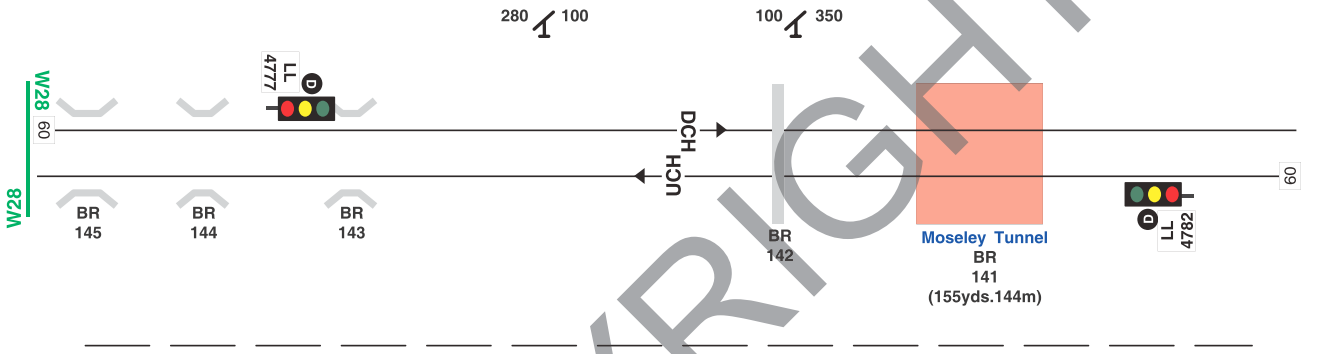
TCB
West Midlands S.C. (LL) 



DCH Down Camp Hill
UCH Up Camp Hill

Note: **D** = LED Head Signal

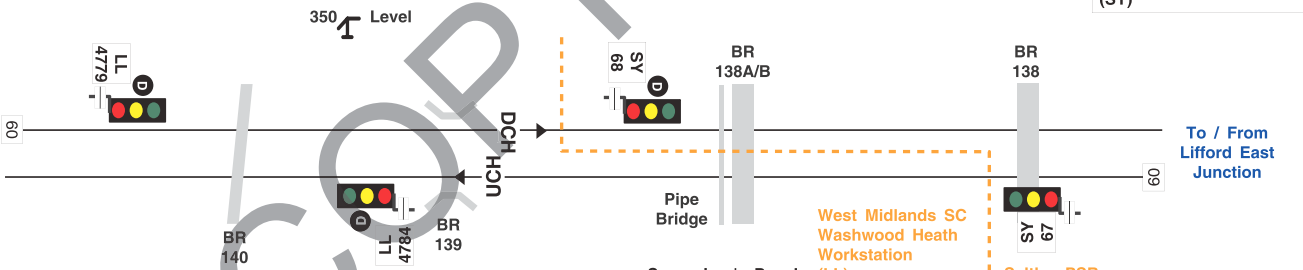
TCB
 West Midlands S.C.
 (LL) 



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TCB
 Saltley PSB
 (SY) 



Supervisor's Panel
 Telephone Numbers
 085 55016
 (0121 576 2015)

West Midlands SC
 Washwood Heath
 Workstation
 (LL)
 Telephone Numbers
 085 55011
 (0121 576 2011)

Saltley PSB
 SSI B Interlocking
 (SY)

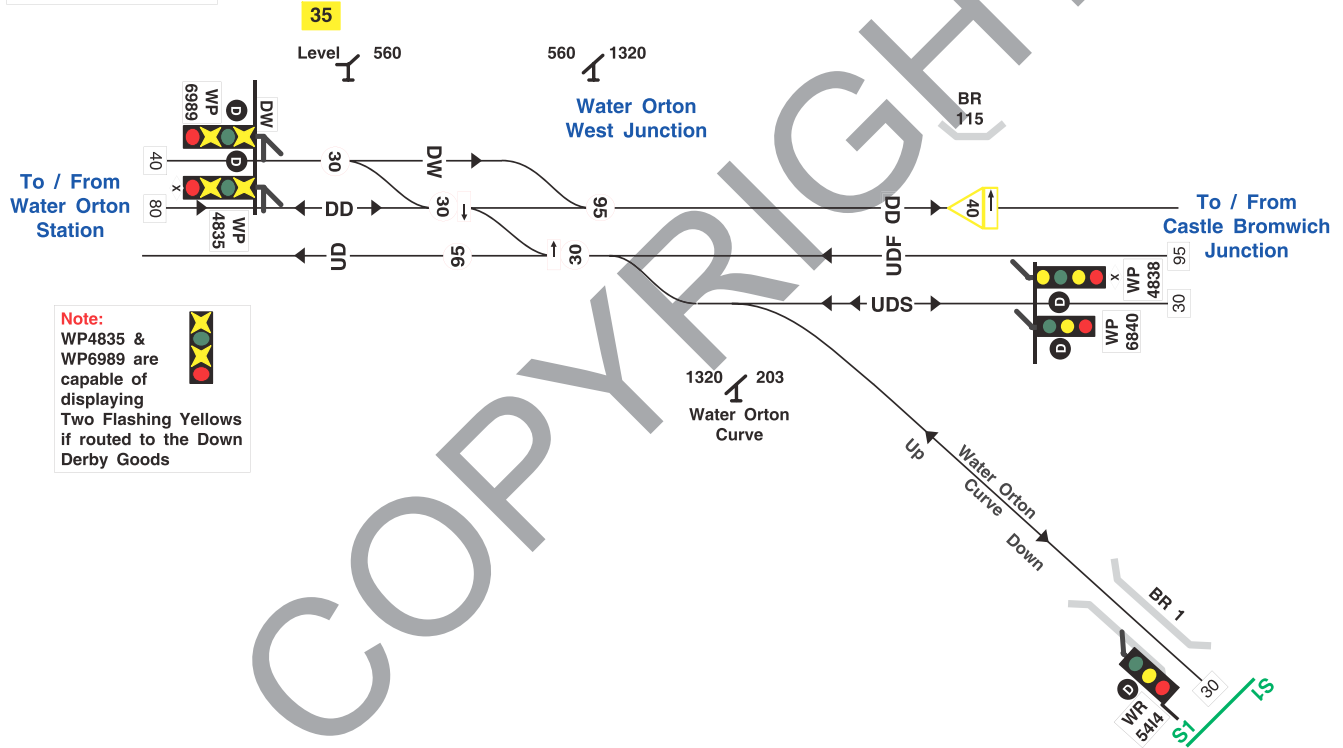
Sutton Park Lines


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DW Down Whitacre
 DD Down Derby
 UD Up Derby
 UDF Up Derby Fast
 UDS Up Derby Slow

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WP, WR) 



Note: 
 WP4835 & WP6989 are capable of displaying Two Flashing Yellows if routed to the Down Derby Goods

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DDG Down Derby Goods
DD Down Derby
UDF Up Derby Fast
UDS Up Derby Slow

Note: **D** = LED Head Signal

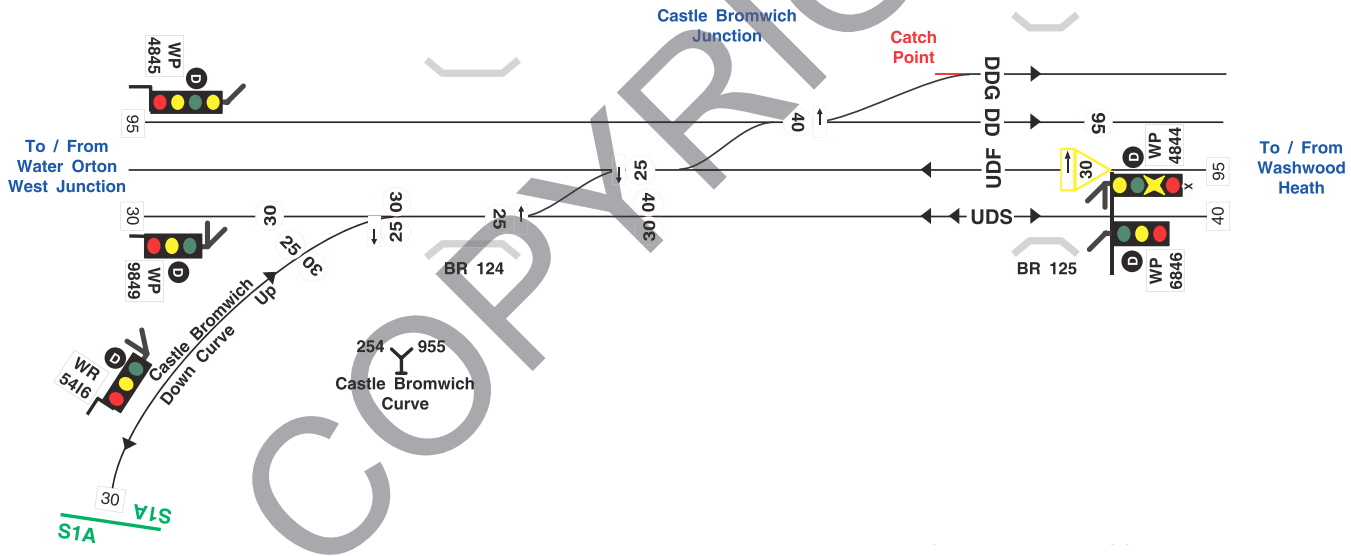
TCB
 West Midlands S.C.
 (WP, WR)



Note:
 WP9849 is a
 Right Hand Side Signal

Note:
 WP4844
 is capable of displaying
 One Flashing Yellow if
 routed to the Up Whitacre

**Castle Bromwich Curve
 Mileage Change**
 0m 55ch. | 36m 08ch.



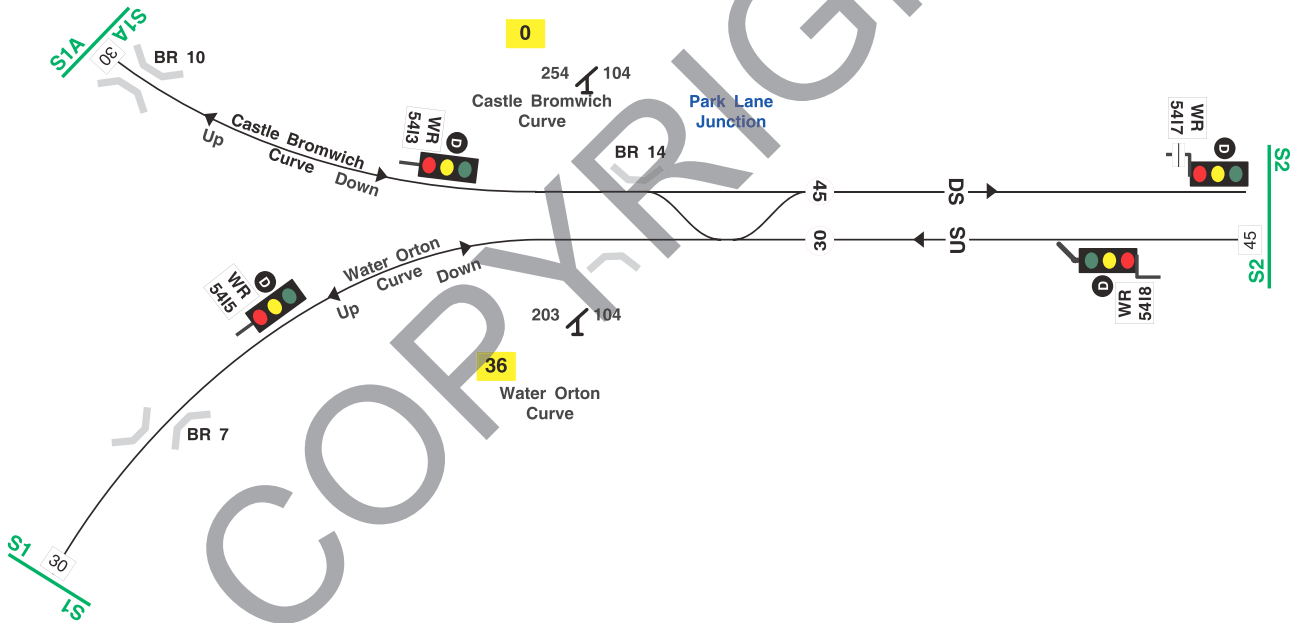
DS Down Sutton Park
US Up Sutton Park

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WR)

NRN
 061

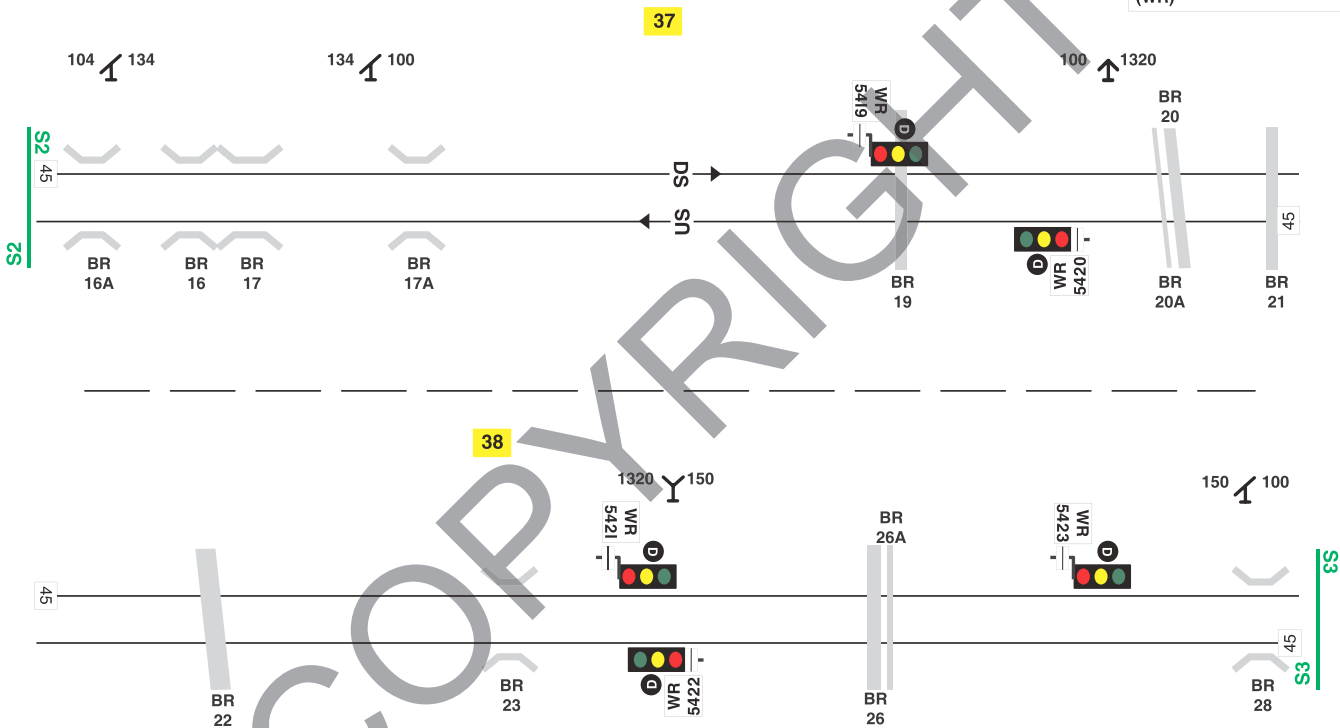
Castle Bromwich Curve
 Mileage Change
 0m 00ch. | 36m 04ch.



DS Down Sutton Park
US Up Sutton Park

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WR)



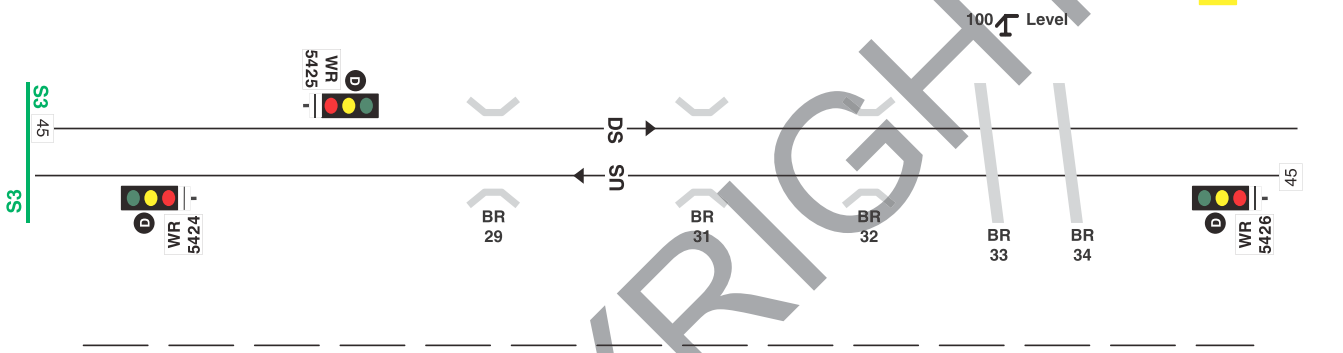
DS Down Sutton Park
US Up Sutton Park

Note: **D** = LED Head Signal

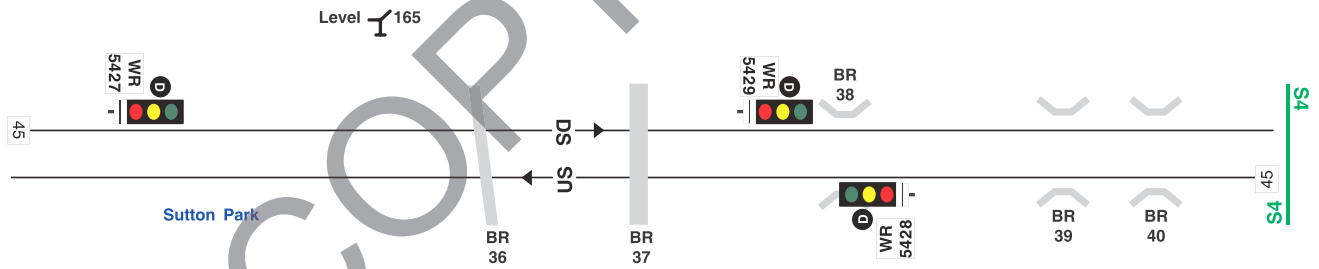
TCB
West Midlands S.C.
(WR) 

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40



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DS Down Sutton Park
US Up Sutton Park

Note: **D** = LED Head Signal

TCB
 West Midlands S.C.
 (WR)

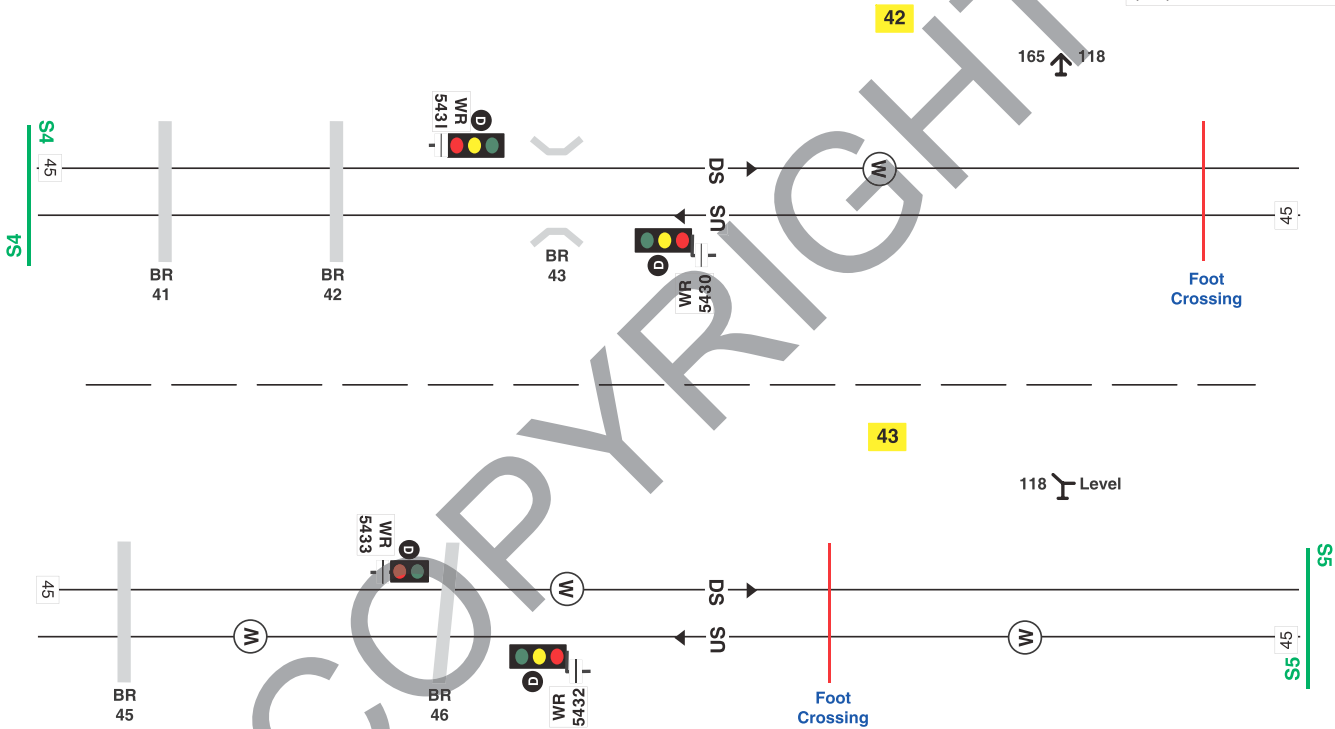


Table of Routes

The following lists of signal routes show all routes from

- signals from which there is more than one route
- signals which are capable of giving any route indications
- all position-light signals

'M' indicates a main aspect

'PL' indicates Position Light Shunt aspect

Items in the '**Route Indication Displayed**' column specify a route indicator display or an illuminated Junction Indicator position

Water Orton East Junction – Lifford East Junction

Down Direction

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal	Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WW6985	M	Nil	Down Whitacre	WP6989	WP6865	PL	Nil	Down Washwood Heath East Siding (Stop Board)	WP8943
	M	Pos.4	Down Derby	WP4835		M	Nil	Down Derby Goods	WP6877
WP4835	M	Nil	Down Derby	WP4843	WP9867	M	Nil	Up Derby Slow	WP9881
	M	Pos.4	Up Derby Slow	WP9841		PL	Nil	Up Derby Slow	WP1871
	M	Pos.5	Water Orton Curve	WR5415	WP8869	M	Nil	Up Derby Slow	WP9881
WP6989	M	Nil	Down Derby	WP4843		PL	Nil	Up Washwood Heath Siding	–
	M	Pos.4	Up Derby Slow	WP9841	WP1871	PL	US	Up Derby Slow	WP9881
	M	Pos.5	Water Orton Curve	WR5415		PL	UWS	Up Washwood Heath Siding	–
WP4845	M	Pos.1	Down Derby Goods	WP6853	WP6877	PL	Nil	Down Washwood Heath Through Siding (Stop Board)	WP8939
	M	Nil	Down Derby Fast	WP4851		M	Nil	Down Derby Goods	WP6885
WP9849	M	Pos.2	Down Derby Goods	WP6853					
	M	Pos.1	Down Derby Fast	WP4851					
	M	Nil	Up Derby Slow	WP9855					

Down Direction continued

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WP4883	M	Pos.1	Down Derby Goods	WP6903
	M	Nil	Down Derby Fast	WP4901
WP9887	M	Pos.2	Down Derby Goods	WP6903
	PL	DG	Down Derby Goods	WP6903
	M	Pos.1	Down Derby Fast	WP4901
	M	Nil	Up Derby Slow	WP9905
	M	Pos.4	Up Washwood Heath Goods Loop	WP9907
	PL	WL	Up Washwood Heath Goods Loop	WP9907
WP8893	M	G	Down Derby Goods	WP6903
	PL	DG	Down Derby Goods	WP6903
	M	F	Down Derby Fast	WP4901
	M	X	Up Derby Slow	WP9905
	M	W	Up Washwood Heath Goods Loop	WP9907
	PL	WL	Up Washwood Heath Goods Loop	WP9907

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WP8895	M	G	Down Derby Goods	WP6903
	PL	DG	Down Derby Goods	WP6903
	M	F	Down Derby Fast	WP4901
	M	X	Up Derby Slow	WP9905
	M	W	Up Washwood Heath Goods Loop	WP9907
	PL	WL	Up Washwood Heath Goods Loop	WP9907
WP8891	PL	Nil	Down Washwood Heath Neck	–
	M	Nil	Down Derby Goods	WP6903
WP4901	M	Pos.2	Down Saltley Goods Loop	WP8911
	M	Pos.1	Down Derby Goods	WP6909
	M	Nil	Down Derby Fast	WP4915
	PL	Nil	Lawley Street Sidings	–
WP6903	M	Pos.1	Down Saltley Goods Loop	WP8911
	PL	SL	Down Saltley Goods Loop	WP8911
	M	Nil	Down Derby Goods	WP6909
	PL	DG	Down Derby Goods	WP6909
WP9905	M	Pos.1	Down St. Andrew's	LL4771
	M	Nil	Down Derby	WP4919
	PL	Nil	Lawley Street Sidings	–

Down Direction continued

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WP9907	M	Pos.1	Down St. Andrew's	LL4771
	M	Nil	Down Derby	WP4919
	PL	Nil	Lawley Street Sidings	–
WP6909	M	Nil	Down St. Andrew's	LL4771
	M	Pos.4	Down Derby	WP4919

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WP8911	PL	Nil	Saltley Depot	Stop Board
	M	Nil	Down St. Andrew's	LL4771
	M	Pos.4	Down Derby	WP4919
WP4915	M	Pos.1	Down St. Andrew's	LL4771
	M	Nil	Down Derby	WP4919
LL4773	M	Pos.1	Up Bordesley	LJ3332
	M	Nil	Down Camp Hill	LL4775

Lifford East Junction – Water Orton East Junction

Up Direction

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
LL1910	PL	WL	Up Washwood Heath Goods Loop	WP8890
	PL	US	Up Derby Slow	WP6886
	PL	UF	Up Derby Fast	WP4884
	PL	SL	Down Saltley Goods Loop	WP9894
LL4774	M	Nil	Down Camp Hill	NS127
	M	Pos.4	Up & Down Camp Hill	NS130
	M	Pos.5	Up St. Andrew's	LL4772

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
LL4772	M	Pos.2	Up Washwood Heath Goods Loop	WP8890
	PL	WL	Up Washwood Heath Goods Loop	WP8890
	M	Pos.1	Up Derby Slow	WP6886
	PL	US	Up Derby Slow	WP6886
	M	Nil	Up Derby Fast	WP4884
	M	Pos.4	Down Saltley Goods Loop	WP9894
	PL	SL	Down Saltley Goods Loop	WP9894

Up Direction continued

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WP4912	M	Pos.2	Up Washwood Heath Goods Loop	WP8890
	PL	WL	Up Washwood Heath Goods Loop	WP8890
	M	Pos.1	Up Derby Slow	WP6886
	PL	US	Up Derby Slow	WP6886
	M	Nil	Up Derby Fast	WP4884
WP8902	M	W	Up Washwood Heath Goods Loop	WP8890
	PL	WL	Up Washwood Heath Goods Loop	WP8890
	M	S	Up Derby Slow	WP6886
	PL	US	Up Derby Slow	WP6886
	M	F	Up Derby Fast	WP4884
WP1898	PL	Nil	Down Saltley Goods Loop	WP9894
WP9894	M	DF	Down Derby Fast	WP9878
	M	DG	Down Derby Goods	WP9882

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal	
WP4884	M	Pos.3	Up Washwood Heath Arr. / Dep. 2 (Stop Board)	WP8948	
	PL	2	Up Washwood Heath Arr. / Dep. 2 (Stop Board)	WP8948	
	M	Pos.2	Up Washwood Heath Arr. / Dep. 1 (Stop Board)	WP8946	
	PL	1	Up Washwood Heath Arr. / Dep. 1 (Stop Board)	WP8946	
	M	Pos.1	Up Derby Slow	WP6870	
	M	Nil	Up Derby Fast	WP4868	
	WP6886	M	Pos.2	Up Washwood Heath Arr. / Dep. 2 (Stop Board)	WP8948
		PL	2	Up Washwood Heath Arr. / Dep. 2 (Stop Board)	WP8948
M		Pos.1	Up Washwood Heath Arr. / Dep. 1 (Stop Board)	WP8946	
PL		1	Up Washwood Heath Arr. / Dep. 1 (Stop Board)	WP8946	
M		Nil	Up Derby Slow	WP6870	

Up Direction continued

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WP8890	M	Pos.2	Up Washwood Heath Arr. / Dep. 2 (Stop Board)	WP8948
	PL	2	Up Washwood Heath Arr. / Dep. 2 (Stop Board)	WP8948
	M	Pos.1	Up Washwood Heath Arr. / Dep. 1 (Stop Board)	WP8946
	PL	1	Up Washwood Heath Arr. / Dep. 1 (Stop Board)	WP8946
	M	Nil	Up Derby Slow	WP6870
WP9878	M	S	Up Derby Slow	WP6870
	M	F	Up Derby Fast	WP4868
WP9882	M	S	Up Derby Slow	WP6870
	M	F	Up Derby Fast	WP4868
	PL	T	Down Washwood Heath Through Siding (Limit of Shunt)	WP1944
	PL	P	Heartlands Park Via Ground Frame	WP8992
WP1876	PL	T	Down Washwood Heath Through Siding (Limit of Shunt)	WP1944
	PL	P	Heartlands Park Via Ground Frame	WP8992

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WP6862	PL	Nil	Up Derby Slow	WP1858
	M	Nil	Up Derby Slow	WP6856
	M	Pos.4	Up Derby Fast	WP4854
WP8864	PL	Nil	Up Derby Slow	WP1858
	M	Nil	Up Derby Slow	WP6856
	M	Pos.4	Up Derby Fast	WP4854
	PL	BS	Up Bromford Sidings	-
WP1858	PL	US	Up Derby Slow	WP6856
	PL	UF	Up Derby Fast	WP4854
	M	Pos.2	Castle Bromwich Curve	WR5413
WP4844	M	Pos.1	Up Derby Slow	WP6840
	M	Nil	Up Derby Fast	WP4838
	M	Pos.1	Castle Bromwich Curve	WR5413
WP6846	M	Nil	Up Derby Slow	WP6840
	M	Nil	Up Derby	WP4836
WP4838	M	Pos.4	Down Derby	WP6978
	M	Nil	Up Derby	WP4836
WP6840	M	Pos.4	Down Derby	WP6978

Sutton Park Lines

Water Orton Curve / Castle Bromwich Curve

Up Direction

Signal Number	Aspect	Route Indication Displayed	Route	Exit Signal
WR5418	M	Nil	Water Orton Curve	WR5414
	M	Pos.4	Castle Bromwich Curve	WR5416
WR5414	M	Nil	Up Derby	WW4836
	M	Pos.4	Down Derby	WW6978
WR5416	M	Pos.2	Down Derby Goods	WP6853
	M	Pos.1	Down Derby Fast	WP4851
	M	Nil	Up Derby Slow	WP9855

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