SIEMENS

SJ58; CROSSRAIL MODIFICATION FRONT SHEET

MODIFICATION No	**SJ58/GEN/M/063**	Page **1** of **2**
INDEX (1) VERSION:	**N/A**	
PLACE:	**Signalling Scheme Plan – Area 6 East of Plumstead Portal**	
DESCRIPTION OF WORK	Updated to CRL comments	
SCHEME PLAN NUMBER:	C620-SIC-R2-DDE-CR001-00005	Rev: FG

UPDATED SHEET NUMBERS: C620-SIC-R2-DDE-CR001-	**Revision**	**UPDATED SHEET NUMBERS: C620-SIC-R2-DDE-CR001-**	**Revision**
00005	FG		

Supporting Paperwork:	✓	Designer/Checker/Approver to note here if any new items are required to be ordered.
1. Statement Of Work.		
2. DEL (see below).	✓	

CLEARS TEST LOGS: N/A

CLEARS CCF: SJ58/CCF/0603

Design Error Log (DEL) Number: SJ58-GEN-DEL-0076

Designers Risk Assessment completed? No [redacted] **Number: N/A**

Designed:	[redacted]	Date : 15/11/2019
Checked:	[redacted]	Date : 22/11/2019
1 2 3 4 5 6 7 8 9		
SAG Review:	SEE SEPARATE SHEET.	Date:
Approved:	[redacted]	Date : 28/11/2019.

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MODIFICATION No	**SJ58/GEN/M/063**	Page **1** of **2**	
INDEX (1) VERSION:	**N/A**		
PLACE:	**Signalling Scheme Plan – Area 6 East of Plumstead Portal**		
DESCRIPTION OF WORK	Updated to CRL comments		
SCHEME PLAN NUMBER:	C620-SIC-R2-DDE-CR001-00005	Rev: FG	
UPDATED SHEET NUMBERS: C620-SIC-R2-DDE-CR001-	**Revision**	**UPDATED SHEET NUMBERS: C620-SIC-R2-DDE-CR001-**	**Revision**
00005	FG		

Supporting Paperwork:	✓	Designer/Checker/Approver to note here if any new items are required to be ordered.
1. Statement Of Work.		
2. DEL (see below).	✓	

CLEARS TEST LOGS: N/A

CLEARS CCF: SJ58/CCF/0603

Design Error Log (DEL) Number: SJ58-GEN-DEL-0076

Designers Risk Assessment completed?	No [redacted]	**Number: N/A**

Designed:	[redacted]	Date : 15/11/2019
Checked:	[redacted]	Date : 22/11/2019
SAG Review:	[redacted]	Date: 03/12/2019
Approved:	[redacted]	Date :

1 2 3 4 5 6 7 8 9

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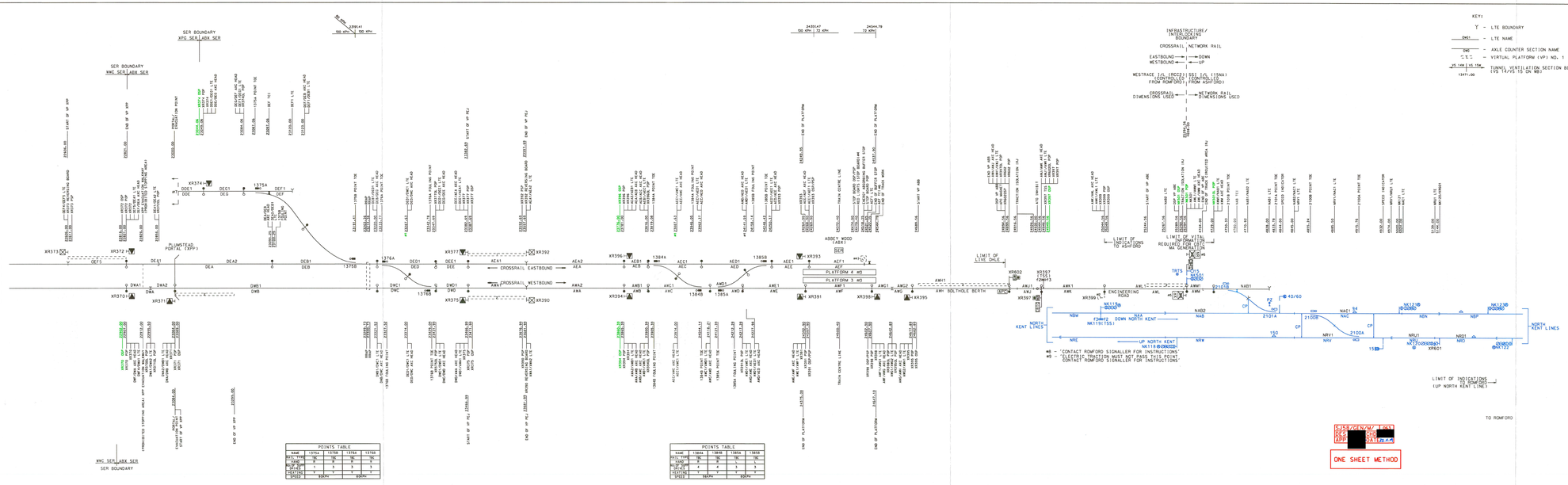
SJ58; CROSSRAIL MODIFICATION FRONT SHEET

Reference Documents used for this design:		
Previous update reference:	SJ58/GEN/M/054	
Doc. Number	**Document Title**	**Document Version**
C620-SIC-R2-XCS-CR001-50203	Document Review Sheet - Area 6 Scheme Plan - East of Plumstead Portal	10.0

DESIGN DECISIONS: Use this section to record calculations and other factors relevant to making design decisions.		
ITEM No.	**DETAILS**	**REMARKS**
1.	No items carried over from previous modification SJ58/GEN/M/054	
2.		
3.		
4.		
5.		
6.		



POINTS TABLE				
NAME	13574a	13758	13758a	13760
CTL MODE	SK	SK	SK	SK
NORM POS	R	R	R	R
HEATER	Y	Y	Y	Y
DIDEB	600m		600m	

POINTS TABLE				
NAME	13846a	13848	13854	13858
CTL MODE	SK	SK	SK	SK
NORM POS	R	R	R	R
HEATER	Y	Y	Y	Y
DIDEB	600m		600m	

MARKER BOARD/ SIGNAL NUMBER	ROUTE (LETTER)	DESTINATION	SPECIAL NOTES
XR370	A	XR394	
XR371	A	XR559	
XR372	A	XR396	
	B	XR394	
XR374	A	XR396	
	B	XR394	
XR375	A	XR371	
	B	XR361	
	C	XR523	
XR377	A	XR361	
	B	XR523	
XR391	A	XR375	
	B	XR377	
XR393	A	XR375	
	B1	XR377	V/A 13859
	B2	XR377	V/A 13859:B1
XR394	A	PLAT 4	
	B	XR396	
XR395	A	XR391	
	A1	PLAT 4	V/A 13849:B1
XR396	A2	PLAT 4	V/A 13849
	B	XR394	
XR397	A	XR395	
XR598	A	XR602	
XR601	A	XR397	
XR602	A	NX501	

B1 - DENOTES PREFERRED ROUTE

GENERAL NOTES:

1) WHERE AN LTE BOUNDARY COINCIDES WITH AN AXLE COUNTER, TRACK CIRCUIT OR OVERLAP BOUNDARY, THE LTE BOUNDARY IS NOT SHOWN.
2) AN ENGINEERING POSSESSION AREA (EPA) IS PROVIDED FOR EACH AXLE COUNTER SECTION.
3) NETWORK RAIL ASSETS AND INFRASTRUCTURE - SHOWN IN BLUE. DIMENSIONS DERIVED FROM NETWORK RAIL DRAWING 12-SO-053 REV C.
4) FOR INFORMATION REGARDING BALISE POSITIONING, REFER TO DOCUMENT C620-SIC-R2-RSP-CR001-S0141 BALISE TRAIN STOPPING POSITIONS.
5) NETWORK RAIL/CROSSRAIL INTERFACE DETAILS TAKEN FROM C620-SIC-R2-RSP-CR001-S0041 NWL DIR
6) MARKER BOARDS, AXLE COUNTER HEADS, STOPPING POSITIONS AND OVERLAPS ASSOCIATED WITH PROHIBITED STOPPING LOCATIONS (PLUMSTEAD PORTAL EVACUATION WALKWAY) ARE POSITIONED ACCORDINGLY TO CATER FOR APPROPRIATE RESTRICTIONS.
7) THE OVERLAP POP SHOWN ON THIS SCHEME PLAN IS AN INTERLOCKING OVERLAP POP ONLY. FOR DETAILS OF THE ATC OVERLAP POP, PLEASE REFER TO ENGINEERING DETAIL.
8) STOPPING DISTANCE IS A MINIMUM OF 5M ON THE APPROACH TO NR SIGNALS
9) EVERY MARKER BOARD OR NR SIGNAL WITHIN THE CROSSRAIL AREA OF CONTROL IS FITTED WITH THE TGWT (ATC) TRAIN STOP FACILITY
10) NR SIGNAL OVERLAPS ARE A MINIMUM OF 45M

HASH NOTES:

#1 NOTE NOT USED. DIMENSIONS TAKEN FROM CHAINAGE COMPARISON PLAN TBC ON SITE.
#2 XR399 IS A PHANTOM SIGNAL USED FOR CBTC SIEKING PURPOSES ONLY.
#3 PLATFORM SCREEN DOORS NOT PROVIDED AT STATION. PLATFORM EQUIPPED WITH 4 'EMERGENCY STOP PLUNGERS' & 3 'PLATFORM DESPATCH INDICATORS' EXACT POSITION NOT SHOWN.
#4 TWO BUFFER STOP LED LIGHTS MOUNTED ON POST IN 4FT ON APPROACH TO BUFFER, CONFIGURED AS STOP BOARD IN TOD.
#5 INFRASTRUCTURE BOUNDARY BOARDS MOUNTED PARALLEL TO TRACK/TRAIN TO BE VIEWED FROM CAB SIDE WINDOW
#6 TC1 TO BE INSTALLED WITHIN 0.5m IN REAR ADVANCE OF BUFFER STOP.
#7 FOR DETAILS OF THIS AREA SEE PLAN: C620-SIC-R2-ODE-CR001-00006

Rev	Date	Description	Ry	Chk	App	Auth
FG	13.11.19	SJ/SIGEN/M/063	[redacted]			
FF	04.06.19	SJ/SIGEN/M/054				
FE	04.02.19	SJ/SIGEN/M/047				
FD	14.07.18	SJ/SIGEN/M/029				
FC	26.06.18	SJ/SIGEN/M/038				
FB	14.02.18	SJ/SIGEN/M/033				

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Crossrail
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Crossrail Limited
30 Cousin Square
Canary Wharf
London
E14 9UQ
Crossrail

Contract: C620-Signalling
Originator: Siemens Rail Automation
Location: Central Sections General
Title:
SIGNALLING SCHEME PLAN
AREA 6
EAST OF PLUMSTEAD PORTAL

Dr:	[redacted]
Chk:	
App:	
Auth:	
Sun:	

Scale: NOT TO SCALE
Drawing No: C620-SIC-R2-ODE-CR001-00006
Rev: [redacted]

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SJ58; CROSSRAIL MODIFICATION FRONT SHEET

MODIFICATION No	**SJ58/GEN/M/073**	Page **1** of **2**
INDEX (1) VERSION:	**N/A**	
PLACE:	**Area 6 Signalling Scheme Plan updates**	
DESCRIPTION OF WORK	Updated to SJ58/CCF/0665	
SCHEME PLAN NUMBER:	N/A	N/A

UPDATED SHEET NUMBERS: C620-SIC-R2-DDE-CR001-	**Revision**	**UPDATED SHEET NUMBERS: C620-SIC-R2-DDE-CR001-**	**Revision**
00005 (Area 6)	FH		

Supporting Paperwork:	✓	Designer/Checker/Approver to note here if any new items are required to be ordered.
1. Statement Of Work.	**No**	
2. DEL (see below).	✓	

CLEARS TEST LOGS: N/A

CLEARS CCF: SJ58/CCF/0665, SJ58/CCF/0628

Design Error Log (DEL) Number: SJ58-GEN-DEL-0088

Designers Risk Assessment completed?	No	**Number: N/A**

Designed:	Sam Bentley PP	Date : 29/05/2020
Checked: 1 2 3 4 5 6 7 8 9	Motilal Sharma	Date : 29/05/2020
SAG Review:		Date:
Approved:	Paul Taylor	Date : 29/05/2020

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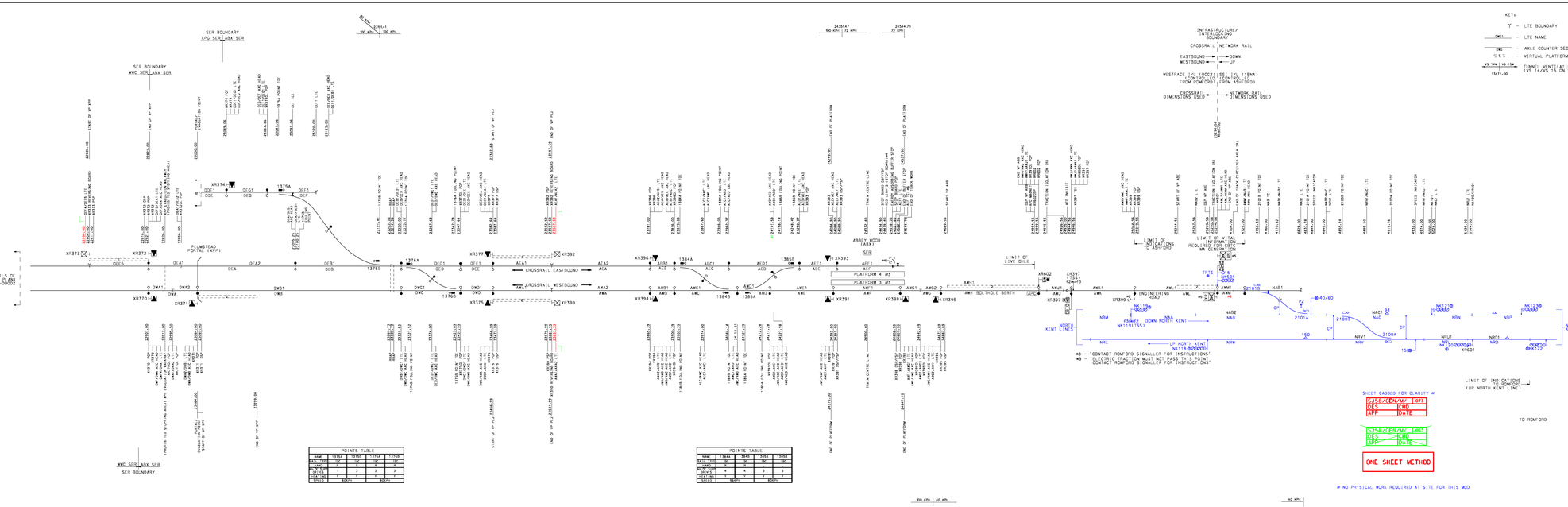
SJ58; CROSSRAIL MODIFICATION FRONT SHEET

Reference Documents used for this design:		
Previous update reference:	SJ58/GEN/M/063	
Doc. Number	**Document Title**	**Document Version**
SJ58/CCF/0665	AWM EPA Removal	1.0
SJ58/CCF/0628	Reversing Boards at LTE only Boundary	1.0

DESIGN DECISIONS: Use this section to record calculations and other factors relevant to making design decisions.		
ITEM No.	**DETAILS**	**REMARKS**
1.	I have updated the scheme plans to include the previous changes. Along with a records only update to remove a '#1' note.	
2.	Updates have been made to clearCCF/0628, however the CCF states 'DEF4/DEF5', this is incorrect, the letter used is 'O' therefore it should be 'OEF4/OEF5'.	
3.		



POINTS TABLE				
NAME	13376A	13765	13764	13765
REF. NO.	16	16	16	16
HAND	R	R	R	R
DIVERGING	L	L	L	L
DP/AP	1	3	3	3
LOCATION	*	*	*	*
STATE	BOTH		BOTH	

POINTS TABLE				
NAME	13844	13845	13854	13855
REF. NO.	16	16	16	16
HAND	R	R	L	L
DIVERGING	L	L	R	R
DP/AP	4	4	3	3
LOCATION	*	*	*	*
STATE	BOTH		BOTH	

MARKER BOARD/ SIGNAL NUMBER	ROUTE LETTER	DESTINATION	SPECIAL NOTES
XR370	A	XR394	
XR371	A	XR359	
	B	XR396	
XR372	B	XR394	
XR374	A	XR396	
	B	XR394	
	C	XR531	
XR375	B	XR361	
	C	XR523	
XR377	A	XR361	
	B	XR523	
XR391	A	XR375	
	A1	XR375	
XR393	A1	XR377	VIA 13859
	B2	XR377	VIA 13859,&1
XR394	A	PLAT 4	
	B	XR398	
XR395	A	XR591	
	A1	PLAT 4	VIA 13844,&1
XR396	A2	PLAT 4	VIA 13844
	B	XR398	
XR397	A	XR595	
XR398	A	XR602	
XR601	A	XR397	
XR602	A	NK501	

&1 - DENOTES PREFERRED ROUTE

GENERAL NOTES:

1) WHERE AN LTE BOUNDARY COINCIDES WITH AN AXLE COUNTER, TRACK CIRCUIT OR OVERLAP BOUNDARY, THE LTE BOUNDARY IS NOT SHOWN.

2) AN ENGINEERING POSSESSION AREA (EPA) IS PROVIDED FOR EACH AXLE COUNTER SECTION.

3) NETWORK RAIL ASSETS AND INFRASTRUCTURE - SHOWN IN BLUE. DIMENSIONS DERIVED FROM NETWORK RAIL DRAWING 12-SO-053 REV C.

4) FOR INFORMATION REGARDING BALISE POSITIONING, REFER TO DOCUMENT C620-SIC-R2-RSP-CR001-S0141 BALISE TRAIN STOPPING POSITIONS

5) NETWORK RAIL/CROSSRAIL INTERFACE DETAILS TAKEN FROM C620-SIC-R2-RSP-CR001-S0041 NKL DIR

6) MARKER BOARDS, AXLE COUNTER HEADS, STOPPING POSITIONS AND OVERLAPS ASSOCIATED WITH PROHIBITED STOPPING LOCATIONS (PLUMSTEAD PORTAL EVACUATION WALKWAY) ARE POSITIONED ACCORDINGLY TO CATER FOR APPROPRIATE RESTRICTIONS.

7) THE OVERLAP POP SHOWN ON THIS SCHEME PLAN IS AN INTERLOCKING OVERLAP POP ONLY. FOR DETAILS OF THE ATC OVERLAP POP, PLEASE REFER TO ENGINEERING DETAIL.

8) STOPPING DISTANCE IS A MINIMUM OF 5M ON THE APPROACH TO NR SIGNALS

9) EVERY MARKER BOARD OR NR SIGNAL WITHIN THE CROSSRAIL AREA OF CONTROL IS FITTED WITH THE TOMT (ATC) TRAIN STOP FACILITY

10) NR SIGNAL OVERLAPS ARE A MINIMUM OF 45M

HASH NOTES:

#1 NOTE NOT USED.

#2 XR399 IS A PHANTOM SIGNAL USED FOR CBTC SIEVING PURPOSES ONLY.

#3 PLATFORM SCREEN DOORS NOT PROVIDED AT STATION. PLATFORM EQUIPPED WITH 4 'EMERGENCY STOP PLUNGERS' & 3 'PLATFORM DESPATCH INDICATORS' EXACT POSITION NOT SHOWN.

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#5 INFRASTRUCTURE BOUNDARY BOARDS MOUNTED PARALLEL TO TRACK/TRAIN TO BE VIEWED FROM CAB SIDE WINDOW

#6 TC1 TO BE INSTALLED WITHIN 0.5m IN ADVANCE OF BUFFER STOP.

#7 FOR DETAILS OF THIS AREA SEE PLANS C620-SIC-R2-DDE-CR001-00006

#8 AWM LTE HAS NO FACILITY FOR AN EPA TO BE APPLIED, SO NO PROTECTION SHOULD BE ASSUMED WHEN UNDERTAKING MAINTENANCE ACTIVITIES IN THIS AREA.

Rev	Date	Description	By	Chk	App	Auth
RH	16.04.20	SJB/GER/NM/073				
FQ	19.11.19	SJB/GER/NM/063				
FF	04.06.19	SJB/GER/NM/054				
FE	04.03.19	SJB/GER/NM/047				
FC	14.07.18	SJB/GER/NM/020				
FC	20.06.18	SJB/GER/NM/018				

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Crossrail Limited
25 Canada Square
Canary Wharf
London
E14 5LQ
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www.crossrail.co.uk

Contract: C620-Signalling
Originator: Siemens Rail Automation
Location: Central Sections General

Title: SIGNALLING SCHEME PLAN
AREA 6
EAST OF PLUMSTEAD PORTAL

Scale: NOT TO SCALE
Drawing No: C620-SIC-R2-DDE-CR001-00006
Rev:

Dwn:
Chk:
App:
Auth:
Sub: