

NOTES

GENERAL INFORMATION

01. LEVEL CROSSING IS SITUATED AT ENGINEERING LINE REFERENCE KCS1 AT LINE MILEAGE 4 MILES 77 CHAINS WHERE THE ROAD KNOWN AS MILL LANE IS CROSSED BY THE RAILWAY AT ORDNANCE SURVEY GRID REFERENCE SJ763 540 AND POSTCODE CV22 5XK.

02. GROUND PLAN PROPOSALS AND ENGINEERING DETAILS BASED ON LEVEL CROSSINGS: A GUIDE FOR MANAGERS, DESIGNERS AND OPERATORS RAILWAY SAFETY PUBLICATION 7 (REVISED 2011) (RSP-7), NR/L2/200/0015 - SPECIFICATION FOR STATION, FOOTPATH, BRIDLEWAY AND USER-WORKED LEVEL CROSSING, THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS (TSRGD) 2016, NETWORK RAIL COMPANY STANDARDS, RAILWAY GROUP STANDARDS AND DEPARTMENT FOR TRANSPORT (DfT) INDUSTRY STANDARDS.

03. GROUND PLAN DESIGN BASED ON GEORIM SKETCH, SITE WALKOVER SURVEY AND TOPOGRAPHICAL SITE SURVEY UNDERTAKEN BY BRIDGEWAY CONSULTING LTD. THESE DRAWINGS ARE PROOF OF CONCEPT ONLY AND DETAILED DESIGN ARE REQUIRED.

04. GROUND PLAN HAS BEEN SUPERIMPOSED WITH SERVICES AND UTILITIES INFORMATION SUPPLIED BY THE NETWORK RAIL BURIED SERVICES TEAM IN DECEMBER 2019. POSITIONS AND TYPES OF BURIED SERVICE ARE APPROXIMATE ONLY AND WHERE NO SERVICE IS INDICATED IT IS NOT TO BE ASSUMED THAT NO SERVICE IS PRESENT. BURIED SERVICES (WHERE SHOWN) ARE APPROXIMATE ONLY. EXACT POSITIONS AND DEPTHS OF ALL SERVICES SHOULD BE CHECKED IN ACCORDANCE WITH HEALTH AND SAFETY EXECUTIVE PUBLICATIONS AND NETWORK RAIL COMPANY STANDARDS.

05. RAILWAY BOUNDARY INFORMATION TAKEN FROM NETWORK RAIL GEO-RIM DATA AND LAND REGISTRY INFORMATION IN SEPTEMBER 2019.

06. LEVEL CROSSING TRAFFIC CENSUS FOR ROAD, RAIL AND PEDESTRIAN USERS COMPLETED OVER A 9 DAY PERIOD FROM 23/06/18 TO 01/07/18 WHICH IDENTIFIES:

- LEVEL CROSSING IS PEDESTRIAN CATEGORY C IN ACCORDANCE WITH RSP-7 TABLE 2 (BASED ON CURRENT CENSUS VALUES).
- TPV VALUE OF 19
- MAXIMUM DAILY PEDESTRIAN USAGE OF 61.

07. DRAWING TO BE READ IN CONJUNCTION WITH DESIGN LOG DOCUMENT NUMBER 167735-NWR-LOG-ESG-000001.

08. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.

09. ALL RAIL DIMENSIONS ARE TO THE RUNNING EDGE.

10. CROSSING LENGTH = 609mm MEASURED FROM DECISION POINT LINE TO DECISION POINT LINE.

11. BARTHOMLEY LEVEL CROSSING = TRACK CATEGORY 3.

B. SURFACES

ALL EXISTING WHITE LINES TO BE REMOVED.

01. EDGE OF BRIDLEWAY WHITE LINING TO TSRGD, 1012.1 (100mm WIDE).

02. TRANSVERSE STOP LINE TO TSRGD, 1002.1 (100mm WIDE).

03. LEVEL CROSSING CONCRETE DECKING PANELS WITH NON SLIP SURFACE COMPLETE WITH DEFLECTOR PLATES TO NETWORK RAIL LINE SPECIFICATION NR/L2/TRK/404.

04. SURFACE AREA BETWEEN DECISION POINTS (TRANSVERSE STOP LINES) TO BE YELLOW IN COLOUR TO INDICATE DANGER AREA.

05. EXISTING HARDSTANDING AROUND EXISTING DNO AND PROPOSED LOCATION CASE TO BE MADE GOOD, INCLUDING HANDRAILING AND ACCESS STEPS.

06. EQUESTRIAN MOUNTING BLOCK AND HITTING POST TO BE BASED ON REQUIREMENTS PROVIDED BY THE BRITISH HORSE SOCIETY.

C. SIGNAGE

NETWORK RAIL SIGNS TO GIRT7033, ISSUE 2

01. SIGN - 'PENALTY FOR TRESPASS', CAT NO. 56/113902. (SEE KEY TO CROSSING SIGNS).

02. AMALGAMATED SIGN No. CB01 / PCR 119, 'DANGER OVERHEAD LIVE WIRES & HORSERIDERS MUST DISMOUNT', (SEE KEY TO CROSSING SIGNS).

03. SIGN - 'KEEP DOGS ON A LEAD', (SEE KEY TO CROSSING SIGNS).

04. SIGN NO. CC02 - 'SUPPLEMENTARY SIGN F' (SEE KEY TO CROSSING SIGNS).

05. SIGN NO. AN212 - 'LEVEL CROSSING IDENTIFICATION NAME BOARD' (SEE KEY TO CROSSING SIGNS).

06. TSRGD 787 - 'PUBLIC TELEPHONE SIGN', (SEE KEY TO CROSSING SIGNS) - 2 OFF.

07. PCR 107 - 'MINIATURE STOP LIGHT SIGN - 2 OFF.

08. PCR 114 - 'PEDESTRIAN INSTRUCTION SIGN', (SEE KEY TO CROSSING SIGNS) - 2 OFF.

09. PCR 118 - 'PERSONS IN CHARGE OF ANIMALS', SIGN - 2 OFF.

10. RBLI IS558 - 'TRAINS RUN EITHER WAY ON EACH LINE', SIGN, SINGLE LINE VARIANT REQUIRED - 2 OFF.

11. TSR 966 - 'CYCLISTS DISMOUNT' SIGN - 2 OFF.

12. PCR 119 - 'HORSERIDERS MUST DISMOUNT' SIGN - 2 OFF. LOCATED AT EQUESTRIAN MOUNTING BLOCK & HITTING POST.

13. TSR 790 - 'NEW LEVEL CROSSING CONTROL AHEAD' SIGN, TO BE DISPLAYED FOR NOT LONGER THAN 3 MONTHS - 2 OFF.

14. TSR 816 - 'NO THROUGH ROAD' SIGN - 3 OFF.

D. CABLE ROUTES / TURNING CHAMBERS

02. CONCRETE SURFACE TROUGHING FOR TRANSITION UNIT, C/1/35, 280-340mm WIDE (EXTERNAL) x 130mm DEEP (INTERNAL), TO BE SET AT GROUND HEIGHT IN AREAS OF SITE ACCESS, OPERATING AND MAINTENANCE, TO BR SPEC 1612 (NETWORK RAIL DRG. BR5-SC 11).

04. ROUTES TO EQUIPMENT - 150mm INTERNAL DIA. uPVC DUCT TO BR. SPEC 1612, BS 3506.

05. EXISTING 9 WAY UNDER TRACK CROSSING (LTX) - 6 x 170mm & 3 x 110mm PLASTIC DUCTS (USABLE).

08. ALL EXISTING CABLE ROUTES TO BE PROTECTED DURING INSTALLATION WORKS.

E. FOUNDATIONS

CONCRETE FOUNDATIONS IN ACCORDANCE WITH NETWORK RAIL COMPANY STANDARD NR/L3/CIV/140, AND SPECIFICALLY APPROVED SCHEME FORM 1 DRAWINGS AND SUBJECT TO SOIL SAMPLES, AS LISTED BELOW.

01. MINIATURE STOP LIGHT FOUNDATION IN ACCORDANCE WITH CIVIL ENGINEERING DRAWING - 2 OFF.

02. MINIATURE STOP LIGHT CONTROL LOCATION CASE FOUNDATION IN ACCORDANCE WITH CIVIL ENGINEERING DRAWING - 1 OFF.

03. SIGNAL PHONE POST BASE FOR MOUNTING PUBLIC USE TELEPHONES - PADS No. 004/012658 - 2 OFF.

F. SIGNALLING ENGINEERING

01. MINIATURE STOP LIGHT UNIT WITH YODALARM AUDIBLE WARNING DEVICE.

02. MINIATURE STOP LIGHT CONTROL LOCATION CASE.

G. FENCING / ACCESS

01. REFER TO KEY FOR TYPES OF FENCING.

04. ZN AND ZO VEHICULAR LINESIDE ACCESS GATES TO BE MOVED TO NEW POSITIONS AS SHOWN.

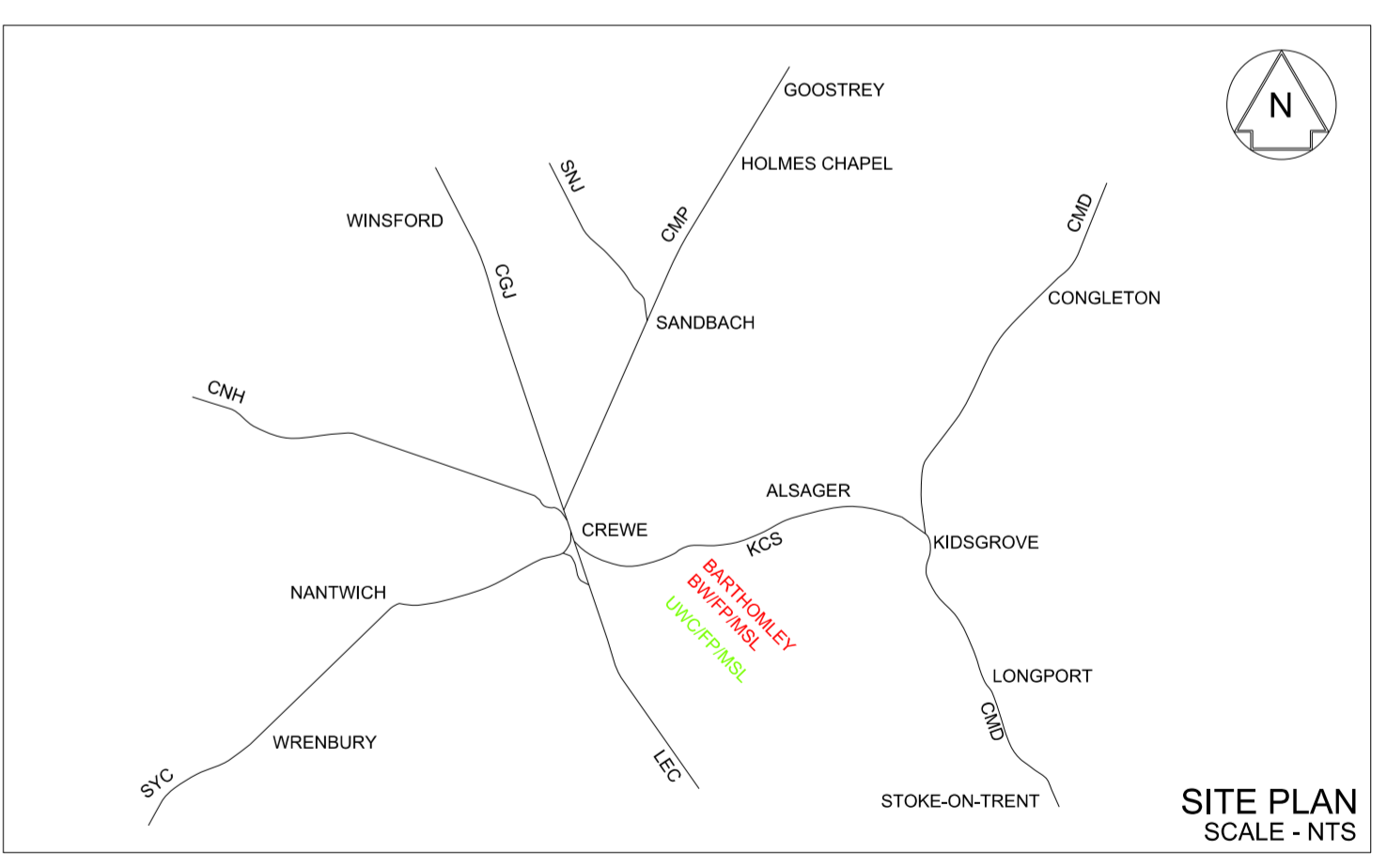
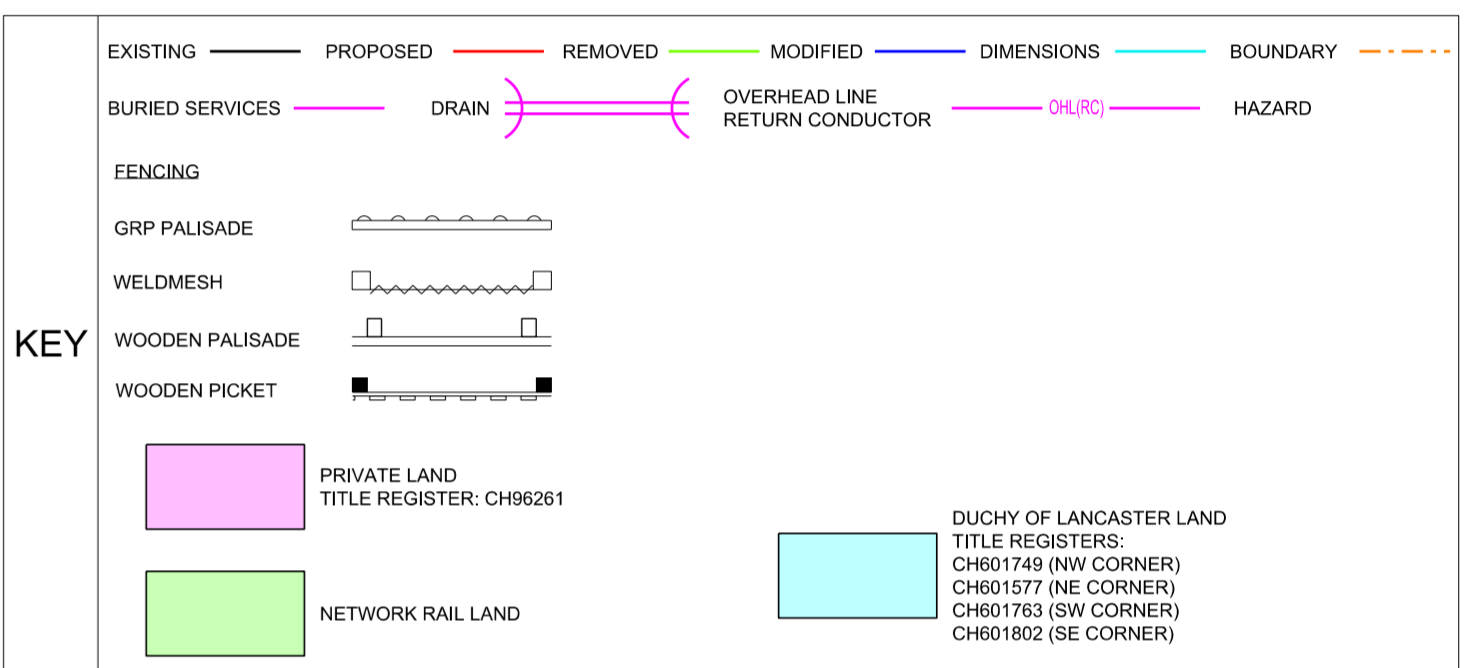
05. CATTLE-CUM-TRESPASS GUARDS (WOODEN / GRP TYPE) - INSTALLED TO NETWORK RAIL STANDARD TEMPLATE NO. IP5AE/EEP/99/CIV/S0101- NEW CATTLE-CUM-TRESPASS GUARDS TO EXTEND FOR A MINIMUM OF 2000mm STEP-OVER DISTANCE MEASURED FROM ANY EDGE OF THE LEVEL CROSSING SURFACE.

H. TELECOMMUNICATIONS ENGINEERING

VERSION	Description of Amendment	Source Record Amended		
		Date	Prod.	Check
A	Initial issue.	27/09/2019	KE	CW
B	Updated to DRN comments.	10/12/2019	KE	CW
C	Updated to AIP.	22/01/2020	KE	NCS
D	Updated to IDC meeting comments / RAM e-mail dated 11-02-2020 (see design log item 39)	18/02/2020	SB	KE
E	Updated to DRN comments / LXR meeting comments	09/03/2020	KE	CW
F	Updated to DRN comments	07/05/2020	KE	CW

ABBREVIATIONS

DNO - DISTRIBUTION NETWORK OPERATOR'S CUBICLE
 GU - DRAINAGE GULLY
 IC - INSPECTION CHAMBER
 IBJ - INSULATED BOND JOINT
 LOC - LOCATION CASE
 MSL - MINIATURE STOP LIGHT
 OP - ORANGE PIPE
 TEL - TELEPHONE
 URX - UNDER ROAD CROSSING
 LTX - UNDER TRACK CROSSING
 W - TRACK WELD
 YN - UP NEARSIDE
 YO - UP OFFSIDE
 ZN - DOWN NEARSIDE
 ZO - DOWN OFFSIDE



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DESIGN DELIVERY	NetworkRail	National Records Group		APPROVAL IN PRINCIPLE	
Produced	KE	07/05/2020	CREWE SIGNAL BOX ELR, KCS1 - KIDSGROVE, IN TO CREWE SOUTH JN. MILEAGE: 4m 77ch GRID REF: SJ763 540		
Checked	CW	07/05/2020	BARTHOMLEY LEVEL CROSSING PROPOSED CONVERSION OF USER WORKED CROSSING WITH TELEPHONE AND FOOTPATH WITH MINIATURE STOP LIGHTS TO BRIDLEWAY CROSSING AND FOOTPATH WITH MINIATURE STOP LIGHTS		
Issued			Drawing Number 19-NW-9007-LX		
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