

**LEGEND**

- TRIAL HOLE (TH)
- SUBSURFACE DRAINAGE CHANNEL (SSD)
- SUBSURFACE DRAINAGE (SSD)
- TRANSVERSE JOINT INSPECTION ON EB (TEJ)
- TRANSVERSE JOINT INSPECTION ON WB (TEJ)
- LONGITUDINAL JOINT INSPECTION (LJ)

Test Location (Size)	Asbestos Survey	Tar Sample	STATS Survey (incl depth)	Waterproofing Condition	Surfacing (incl. Dims)	Ferrosan	Concrete Thickness	Reinforcement Details	Sub-surface Drainage Survey	Soil Sample	Joint Inspection
TH1 (1.3x0.8m)	✓			✓	✓	✓					✓
TH2 (1x1.2m)	✓	✓		✓	✓						✓
TH3 (1x1.2m)	✓	✓		✓	✓						✓
TH4 (0.6x0.6m)	✓			✓	✓	✓	✓	✓			✓
TH5 (1x1.2m)	✓	✓		✓	✓						✓
TH6 (1x1.2m)	✓	✓		✓	✓						✓
TH7 (1.3x0.8m)	✓		✓	✓	✓	✓					✓
TH8										✓	
TEJ 1-4 (12.9m each)	✓										✓
LJ 1&2 (5m each)	✓										✓
SSD 1-6	✓								✓		

Key: TH - Trial hole;  
 TEJ - Transverse Expansion Joint;  
 LJ - Longitudinal Joint;  
 SSD - Sub-surface Drain;

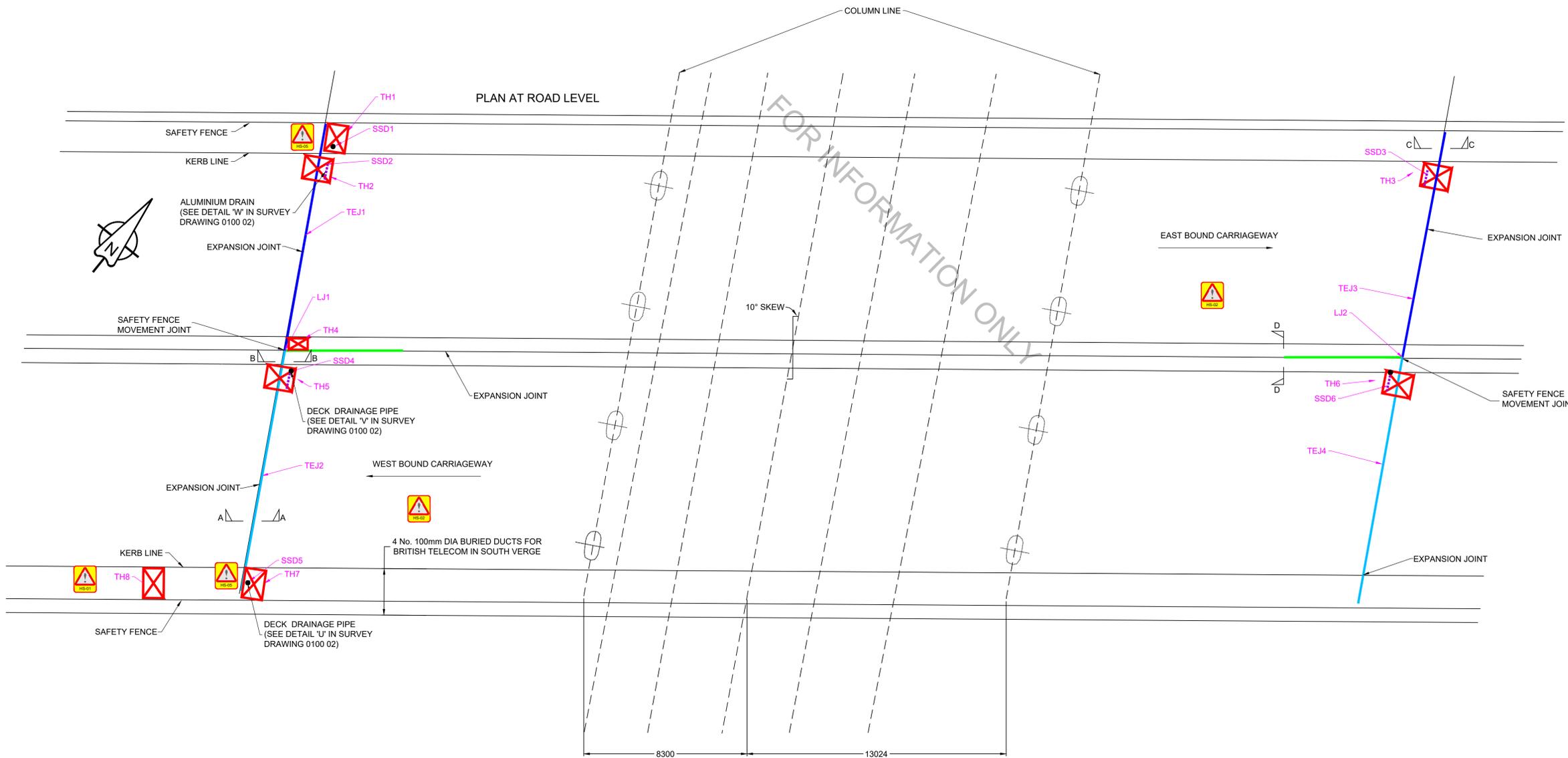
**RESIDUAL DESIGN HAZARDS**

THE FOLLOWING HAS BEEN COLLECTED FROM THE PRE-CONSTRUCTION INFORMATION AND HIGHLIGHTS KNOWN RESIDUAL HAZARDS.

KEY HS-# = HEALTH AND SAFETY RISK REFERENCE NUMBER  
 E-# = ENVIRONMENT RISK REFERENCE NUMBER

HS-01 - KNOWN AND UNCHARTED SERVICES  
 HS-02 - WORKING ADJACENT TO LIVE TRAFFIC  
 HS-03 - WORKING AT NIGHTS  
 HS-04 - HAZARDOUS MATERIALS INCL. ASBESTOS  
 HS-05 - ACCIDENTAL DAMAGE TO THE JOINTS OR ITS COVER PLATE DURING THE INSPECTION

- NOTES**
- ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.
  - THIS DRAWING TO BE READ IN CONJUNCTION WITH THE TSTC DOCUMENTS AND TECHNICAL SURVEY LOCATION PLAN AND DRAWING HE570135-KIER-VGN-A303\_MP67.0-SK-CB-0100 02.
  - EXACT LOCATIONS OF THE TRIAL HOLES AND CONCRETE BREAK-OUT NEED TO BE CONFIRMED ON SITE AND THEY ARE SUBJECT TO THE QL - B1 SURVEY.
  - NO INTRUSIVE INVESTIGATION SHALL BE CARRIED OUT PRIOR TO STATUTORY UNDERTAKERS SURVEY. NO EXCAVATION SHALL PROCEED WITHOUT PRIOR CONSULTATION AND AGREEMENT WITH THE RELEVANT STATUTORY UNDERTAKER. ALL EXCAVATION SHALL BE HAND DUG.
  - SCOPE OF SURVEY WORKS:
    - TOPOGRAPHICAL SURVEY;
    - TRIAL HOLES;
    - STATS SURVEY IN THE WESTBOUND VERGE;
    - ASBESTOS SURVEY ON WATERPROOFING, EXPANSION JOINTS, SERVICE DUCTS AND SUB-SURFACE DRAINAGE;
    - INSPECTION OF THE SURFACING DETAILS TO DETERMINE ITS CONDITION, TYPES, LAYERS AND THICKNESS (INCL TAR SAMPLES);
    - INSPECTION OF THE WATERPROOFING TO DETERMINE ITS CONDITION, TYPE AND ITS INTERFACE WITH THE EXPANSION JOINTS;
    - INSPECTION OF THE TRANSVERSE AND LONGITUDINAL EXPANSION JOINTS WITH A JOINT SPECIALIST ONSITE. CONDITION OF RUBBER SEAL AND STEEL RAILS (INCL SECTION LOSSES OR CORROSION) SHALL BE RECORDED FOR THE EXISTING TRANSVERSE JOINTS. ATTENTION SHALL BE PAID TO THE DETAILS AT THE INTERFACE OF TRANSVERSE AND LONGITUDINAL JOINTS;
    - VRS SURVEY AND LOCALISED CONCRETE BREAK-OUT;
    - SUB-SURFACE AND ABUTMENT DRAINAGE INSPECTION.
  - REFER TO DRAWING HE570135-KIER-VGN-A303\_MP67-SK-CB-0100 02 FOR DETAILS OF SECTIONS A-A, B-B, C-C, D-D.



THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL WITH THE PERMISSION OF ORDNANCE SURVEY ON BEHALF OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE © CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. AL 100030649 2019



CLIENT	AGENT	SCHEME NAME	A303 67.0 B3092 UNDERBRIDGE
		DRAWING TITLE	TECHNICAL SURVEY PLAN

DRAWN : TSB	SCALE : NOT TO SCALE	DRAWING STATUS
DESIGN : PH	DIMENSIONS : AS STATED	WORK IN PROGRESS
CHKD : MZ	ORIG DWG SIZE: A1	PRELIMINARY DRAWING
APPD : MZ	COPYRIGHT © KIER	EXTERNAL ISSUE ✓
DATE : 24/05/19		AS-BUILT
SUITABILITY: D2	FOR TENDER	

C1	AMENDMENTS TO TECHNICAL SURVEY PLAN	PH	MZ	24-10-19
REV	DETAILS	CHKD	APPD	DATE

DRAWING NUMBER	PROJECT	ORIGINATOR	VOLUME	SCHEME REFERENCE No.
HE570135 - KIER - VGN	HE570135	KIER	VGN	570135
A303_MP67.0 - SK - CB - 0100 01	LOCATION	TYPE	ROLE	REVISION
				C 1